

1985

# Harding University Course Catalog 1985-1986

Harding University

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# Harding University

1985-86



## FALL SEMESTER — 1985

President's Reception for Faculty	4:00-6:00 p.m., Aug. 22
Faculty Conference at Camp Tahkodah	10:00 a.m.-9:00 p.m., Aug. 23
CLEP Tests (except English Composition & Essay)	7:30 a.m. Aug. 26
Registration for all students	9:00 a.m.-4:00 p.m., Aug. 26-28
Assembly for all upperclassmen NOT preregistered	1:00 p.m., Aug. 26
ACT Test (required if ACT has not been taken)	1:00 p.m., Aug. 26
Academic advising for upperclassmen	1:30 p.m., Aug. 26-11:00 a.m., Aug. 27
Assembly for freshmen NOT at early orientation	8:30 a.m. & 12:45 p.m., Aug. 27
Academic advising for freshmen	1:15 p.m., Aug. 27-11:00 a.m., Aug. 28
Classes begin on regular schedule	8:00 a.m., Aug. 29
Final date for enrolling for fall semester	Sept. 16
CLEP Tests (except English Composition and Essay)	7:30 a.m., Sept. 19
Final Date for application for degree on Dec. 20	Sept. 20
Junior English Proficiency Test	3:30 p.m., Oct. 7
Lectureship	Oct. 6-9
Graduate Record Examinations	8:00 a.m., Oct. 12
CLEP (including English Composition and Essay)	8:00 a.m., Oct. 17
Graduate Management Admissions Test	8:00 a.m., Oct. 19
National Teacher Examination (Core Battery Test)	8:00 a.m., Oct. 26
Supervised teaching	Oct. 28-Dec. 20
Alumni Day and Homecoming	Nov. 1-2
National Teacher Examination (Specialty Area Test)	8:00 a.m., Nov. 9
CLEP Tests (National) (except English Composition & Essay)	8:00 a.m., Nov. 14
Junior English Proficiency Test	3:30 p.m., Nov. 18
Thanksgiving recess	5:00 p.m., Nov. 27 to 8:00 a.m., Dec. 2
Dead Week	Dec. 11-13
Graduate Record Examinations	Dec. 14
Final examinations	Dec. 14-19
Graduation exercises	10:00 a.m., Dec. 20
Christmas recess	12:00 noon, Dec. 20, to 9:00 a.m., Jan. 6, 1986

## SPRING SEMESTER — 1986

Orientation of new students—freshmen and transfers	9:00-10:00 a.m., Jan. 6
Registration for all students	9:00 a.m.-4:00 p.m., Jan. 6-8
Assembly for all student NOT preregistered	1:00 p.m., Jan. 6
Academic advising for all students	1:30-4:00 p.m., Jan. 6
Classes begin on regular schedule	8:00 a.m., Jan. 9
CLEP Tests (National and Institutional)	8:00 a.m., Jan. 16
Graduate Management Admissions Test	8:00 a.m., Jan. 25
Final date for enrolling for spring semester	Jan. 27
Graduate Record Examinations	8:00 a.m., Feb. 1
Final date for application for degree on May 11	Feb. 7
Junior English Proficiency Test	3:30 p.m., Feb. 17
Spring recess	5:00 p.m., March 7, to 8:00 a.m., March 17
Supervised teaching	March 10-May 9
Youth Forum and Spring Sing	March 28-29
Junior English Proficiency Test	3:30 p.m., April 7
Graduate Record Examinations	8:00 a.m., April 12
National Teacher Examination (Core Battery Test)	8:00 a.m., April 15
CLEP Test (National only)	8:00 a.m., April 17
National Teacher Examination (Specialty Area Test)	8:00 a.m., April 19
Dead week	April 30-May 3
Final examinations	May 5-9
Graduation exercises	2:30 p.m., May 11

## SUMMER TERM — 1986

Intersession	May 12-28
Orientation of new students—freshmen and transfers	8:30-9:30 a.m., June 9
Assembly for students NOT preregistered	9:30 a.m., June 9
Academic advising for all students	10:00-11:30 a.m., June 9
Registration for all students	9:00 a.m.-4:00 p.m., June 9
Junior English Proficiency Test	3:30 p.m., June 16
Classes begin, First Session	7:30 a.m., June 10
Final date for enrolling for First Session	June 16
National Teacher Examination (Core Battery Test)	8:00 a.m., June 28
Final examinations, First Session	July 10-11
National Teacher Examination (Specialty Area Test)	8:00 a.m., July 12
Classes begin, Second Session	7:30 a.m., July 14
Final date for application for degree on Aug. 15	July 15
Final date for enrolling for Second Session	July 21
Junior English Proficiency Test	3:30 p.m., July 22
Summer's End Session	July 30-Aug. 15
Final examinations, Second Session	Aug. 14-15
Graduation exercises	10:30 a.m., Aug. 15
CLEP Tests (Institutional) (given at Early Orientation Sessions)	To Be Arranged

(English Composition &amp; Essay given only at First Early Orientation Session)

Harding University

Undergraduate and Graduate  
Course Listings

## An Invitation

With the beginning of the 1979 fall semester, Harding moved into another era of its existence—this time as Harding University. The broad scope of our curriculum, the excellence of our teaching faculty and the desire to serve meaningfully God and our fellow men provide new opportunities for Harding as a Christian school. We invite you to visit our campus, see our facilities, meet our faculty and students and learn as much as possible about Harding.

Campus tours may be arranged through the Admissions Office, located on the first floor of the Ganus Building adjacent to the Administration Building. The office is open 8-12 and 1-5 Monday through Friday. Admissions advisors are available on weekends by appointment.

President

Harding University  
Searcy, Arkansas 72143  
Telephone: 501/268-6161

Office of the Provost

**PART I—GENERAL INFORMATION** ..... 3  
 Purpose . . . History . . . Location . . . Accreditation . . . Campus Buildings . . . Special Teaching Aids . . . Special Programs

**PART II—STUDENT LIFE** ..... 16  
 Religious Opportunities . . . Cultural Opportunities . . . Extra-Curricular Activities . . . Services of the University . . . General Regulations

**PART III—ACADEMIC INFORMATION** ..... 27  
 Admission Requirements . . . Academic Regulations . . . Degrees Granted . . . . Requirements for the Bachelor's Degree . . . Organization of Curriculum . . . Majors Offered

**PART IV—FINANCIAL INFORMATION** ..... 44  
 Expenses . . . Financial Aid . . . Scholarships . . . Work . . . Loans . . . Government Grants . . . Application for Aid

**PART V—COURSES OF INSTRUCTION**..... 56  
**COLLEGE OF ARTS AND SCIENCES:** Art . . . Bible, Religion, and Philosophy . . . Biological Science . . . Communication . . . Cooperative Education . . . English Language and Literature . . . Foreign Languages and International Studies . . . General Science . . . Harding University in Florence (Italy) Program . . . History and Social Science . . . Home Economics . . . Mathematics and Computer Science . . . Medical Technology . . . Music . . . Physical Education, Health and Recreation . . . Physical Science . . . Psychology . . . Sociology and Social Services . . . **SCHOOL OF BUSINESS** . . . **SCHOOL OF EDUCATION** . . . **SCHOOL OF NURSING**

**PART VI—DIRECTORY OF PERSONNEL**..... 189  
**APPENDIX**  
**INDEX**  
 University Calendar, 1985-86 (inside front cover) . . . Tentative University Calendar, 1986-87 (inside back cover) . . . Board of Trustees . . . Officers of Administration . . . Faculty for 1984-85 . . . Committees and Administrative Staff for 1984-85 . . . Endowment and Scholarship Funds . . . Index

# General Information

Purpose . . . History . . . Location . . . Accreditation . . . Campus . . . Buildings . . . Special Teaching Aids . . . Special Programs



## HARDING UNIVERSITY IS A CHRISTIAN INSTITUTION

of higher education composed of a college of arts and sciences; schools of business, education, and nursing; graduate programs in education and accounting, and, located in Memphis, Tennessee, a graduate school of religion. Its purpose is to give students an education of high quality which will lead to an understanding and philosophy of life consistent with Christian ideals. It aims to develop a solid foundation of intellectual, physical, and spiritual values upon which students may build useful and happy lives.

Harding exists for the sake of the students—to help them understand the environment in which they live and to help them live harmoniously with it; to encourage their enjoyment of life and individual contribution to the meaningfulness of it; to develop their mental ability to the fullest capacity, inspiring creativity and truth-seeking.

Many factors make up a college education and lead to the achievement of Harding's purposes. Chiefly, these factors are the assistance of interested instructors and counselors, the academic courses organized to meet the students' needs, and the activities that give opportunity for inspiration, recreation, cooperation with others, and leadership training.

Students find association with the faculty a stimulating and challenging intellectual experience. Faculty members at Harding are concerned with all needs and requirements of students and desire to help in the solution of any problems, whether academic or personal.

The curriculum is designed to give students adequate preparation for a chosen vocation or profession and to provide for all students intellectual, social and spiritual development. The entire curriculum, as well as individual courses, is revised periodically to meet the changing requirements of students.

Student activities give many opportunities for self-development. Sports, dramatics, debate, music, publications, and other activities afford growth in leadership and the exercise of particular skills and abilities. Lectures, concerts, and special seminars stimulate intellectual and cultural growth. Social clubs encourage democratic, Christian cooperation as well as leadership development. A wise choice of activities makes possible a measure of growth that the students can attain in no other way.

The University is under the control of a self-perpetuating Board of Trustees who are members of the church of Christ. Harding attempts to be non sectarian in spirit and practice, and it desires to admit students who are academically capable, who have good character, and who accept the aims and objectives of the University, irrespective of their religious faith, national origin, race, sex, or color.

Harding admits students of any race to all of the rights, privileges, programs and activities generally accorded or made available to students at the University. The University does not discriminate on the basis of race or handicap in its admissions policies, educational policies, scholarship and loan programs, and athletic and other school-administered programs.

Also, as required by Title IX of the Educational Amendments of 1972, Harding does not discriminate on the basis of sex in its educational programs or activities or employment except when necessitated by specific religious tenets held by the institution and its controlling body.

**Harding began** as a senior college in 1924, when two junior colleges, Arkansas Christian College and Harper College, merged their facilities and assets, adopted the new name of Harding College, and located on the campus of Arkansas Christian in Morrilton, Arkansas. Harper had been founded in 1915 in Harper, Kansas, and Arkansas Christian had been chartered in 1919.

The college was named in memory of James A. Harding, co-founder and first president of Nashville Bible School (now David Lipscomb College) in Nashville, Tennessee. Preacher, teacher, and Christian educator, James A. Harding gave his co-workers and associates an enthusiasm for Christian education that remains a significant tradition at Harding University.

With the merger J. N. Armstrong, who had served five years as Harper's president, became president of Harding College, and A. S. Croom, president of Arkansas Christian for two years, became vice president for business affairs. In 1934 Harding was moved to its present site in Searcy, Arkansas, on the campus of a former women's institution, Galloway College.

One of Harding's first graduates, George S. Benson, returned from mission work in China in 1936 to assume the presidency of his Alma Mater. The vigorous educator quickly directed the college out of deep indebtedness and launched it on a journey to financial stability, national recognition, and academic accreditation. When Dr. Benson retired in 1965, his 29 years of tireless service were more than evident in a multi-million-dollar campus, regional accreditation, a strong faculty, and a continually growing student body. Dr. Benson still makes his home in Searcy and is active in many pursuits.

Harding's current president is Dr. Clifton L. Ganus, Jr., inaugurated in 1965. A former history department chairman and vice president of the college, Dr. Ganus has kept alive his predecessor's drive for excellence by leading a plan of campus improvement and expansion. Thus far in his administration, the enrollment has increased from 1,472 in the fall of 1965 to 2,828 in the fall of 1984. Seven major academic buildings, four large residence halls, and several married students' apartments have been constructed. A \$1 million addition to the Science Building was completed in 1984. Also, six academic buildings have been renovated and/or enlarged. The Nursing Program, the Social Work Program, the Mission/Prepare Program, the School of Biblical Studies, (with programs in Searcy and in Nassau, The Bahamas), and the Harding University in Florence (Italy) Program have been developed during his administration. In Memphis, Tennessee, the Graduate School of Religion has experienced significant growth, has received accreditation by the Southern Associa-

tion, and has added the Doctor of Ministry degree to its offerings. **1985-1986 Harding University Catalog**

After a study begun in May 1978, the Board of Trustees approved the recommended change of Harding to university status, and on August 27, 1979, the name of the institution officially became Harding University.

**Harding's home community**, Searcy, Arkansas, a city of 13,612 persons according to the 1980 official census, is the seat of White County. Founded in 1837, Searcy enjoyed a gradual growth as center of a chiefly agricultural area until the last 35 years, when the location of several industries in the city brought a favorable balance of economy and a more rapid growth than before. Today's Searcians are a progressive citizenry proud of their community and dedicated to its advancement.



Located in East Central Arkansas, about 50 miles northeast of Little Rock and 105 miles west of Memphis, Tennessee, Searcy is reached by U. S. Highway 67 from the north and south and by U. S. Highway 64 from the east and west. The nearest commercial passenger plane service is at Little Rock, but Searcy is served by two bus lines and has a small airport.

The proximity of Little Rock and Memphis gives Searcians access to the advantages of a metropolitan area without sacrificing the special charms of small-town living. Both faculty and students enjoy the cultural and entertainment offerings of the two cities. Searcy itself has recreation facilities of all types, and Greer's Ferry Lake to the north of the city is famous across the country for its fishing and other water sports.

Harding occupies about 200 acres east of the downtown area of Searcy, but the impact of the University on the town is more far-reaching than that caused by geography alone. Interaction and interdependence between the University and the community is great, with many Searcians serving Harding in a variety of ways and with the University's contributing significantly to the civic, cultural, economic, educational, recreational, and spiritual well-being of the city.

**Accreditation** is the measure of a University's adherence to the professional standards of the nation's academic community. Harding is accredited by the North Central Association of Colleges and Secondary Schools (1954). It means that Harding students can be certain that credits earned at Harding will transfer to other institutions, just as incoming transfer students may be assured that Harding can be expected to honor most of the credits earned at similarly accredited institutions.

Its undergraduate teacher education program for preparing elementary, special education, and secondary teachers is accredited by the National Council for Accreditation of Teacher Education (1961). Its undergraduate program in social work is accredited by the Council on Social Work Education (1978). Its undergraduate program in nursing is accredited by the National League for Nursing (1979). The undergraduate program in music is accredited by the National Association of Schools of Music (1983).

Harding is also a member of the American Council on Education, the American Association of Colleges for Teacher Education, the College Entrance Examination Board, and the National Commission on Accrediting (not an accrediting agency). It is also approved for the training of vocational home economics teachers. Harding's graduates are admitted to the leading graduate and professional schools. The University also has strong pre-professional programs in the medical sciences, engineering, law, and social service, and other professional fields. Alumnae are admitted to memberships in the American Association of University Women.

**Campus buildings** are compactly and attractively located within a few blocks of downtown Searcy. Additional campus property, consisting of farm land, lies southeast of the campus. The 46 buildings with their equipment and educational facilities, valued at more than \$39 million, provide an efficient and well-furnished educational plant.

The following are the major structures:

**OLEN HENDRIX HALL (1926, 1975):** Through the years this three-story structure has been one of the most useful on campus. It originally was the administrative center and classroom building, then was used until 1967 as headquarters for the natural science division. It is one of the two buildings still standing which were part of the campus when Harding moved to Searcy in 1934. During the 1974-75 school year it was renovated to provide facilities for the School of Nursing and the Department of Home Economics.

**STUDENT SERVICES BUILDING (1940, 1974):** Harding acquired this former medical clinic in 1963 and converted it into classrooms, offices, and the Student Health Service. Extensive remodeling provided facilities for the Counseling Center, laboratories and seminar rooms for psychology, sociology, and social work.

**BEAUMONT MEMORIAL LIBRARY (1950, 1957, 1971):** With two expansions the building houses more than 259,508 volumes, with 61,922 of these

in microform. The library features open stacks and cross-staircase permitting students ease in acquiring and using library materials. Two large reading rooms, the periodical reading room, and reading spaces in the stacks will seat about 563.

**GANUS BUILDING (1951, 1973):** Constructed originally as a Student Center for 650 students, this building was remodeled into an office and classroom building. The Admissions Office, Communication Department and Department of Foreign Languages and International Studies are housed in this building. Its facilities include four classrooms, a language laboratory, the Speech Clinic, and studios for campus radio station KHCA. It was named for C. L. Ganus, Sr., for many years chairman of the Board of Trustees.

**ADMINISTRATION BUILDING (1952):** This three-story building with its imposing columns and pediment occupies the central location on campus and serves as the hub of much activity. It contains most administrative offices, an auditorium seating 1,250, faculty offices, three classrooms, the Administrative Computer Center, and certain facilities of the Communication Department, including the Little Theatre and drama storerooms and workshops.

**CLAUD ROGERS LEE MUSIC CENTER (1952, 1966, 1969):** Facilities for Harding's choral and instrumental programs and individual practice rooms are located in this building. The Recording Studio, one of the finest in Arkansas, is used in taping the weekly radio program by the A Cappella Chorus as well as in recording for other groups.

**ECHO HAVEN (1953):** This four-bedroom house is occupied each nine weeks by six women for their home economics course in home management.

**SEWELL HALL (1953):** The two-story building contains seven apartments for faculty members.

**W. R. COE AMERICAN STUDIES BUILDING (1953):** This three-story classroom building houses the Graduate Program, the School of Education, and the departments of English and history and social science.

**EZELL BIBLE BUILDING (1960, 1974):** This two-story building whose capacity was doubled by a major addition, contains Bible Department offices, the Financial Aid Office, the Center for World Evangelism, a television studio, and ten classrooms. It also houses the School of Biblical Studies. In its basement are administrative offices.

**ALUMNI FIELD (1963, 1971):** Alumni Field is the home of the intercollegiate football field, an eight-lane track, and an equipment building. Seating exists for 4,000 persons.

**JOHN MABEE AMERICAN HERITAGE CENTER (1965):** Designed as a continuing education complex with auditorium, seminar rooms, cafeteria, and hotel-style rooms to accommodate 150 people, this modern structure provides ideal facilities for various seminars, workshops, and conventions. Also housed in the building are the Alumni/Placement Office and

the Development Office. The building serves student needs. The cafeteria is one of two on the campus, seminar rooms double as classrooms, and a large lounge area is used as a study area. The 150-capacity hotel area, designed for use of alumni and other guests, is currently being used as a men's residence hall.

**SCIENCE BUILDING (1967, 1984):** This building includes facilities for biology, chemistry, physics, and mathematics. One wing of the building is the R. T. Clark Research Center, which houses performance physiology laboratories for the research program in the life sciences. A recent addition to the Science Building includes three lecture rooms, two biology laboratories, a mathematics learning laboratory, a science education laboratory, a 42-station computer science laboratory and five faculty offices. The classrooms and laboratories are equipped with the most up-to-date equipment.

**MILDRED TAYLOR STEVENS MEMORIAL ART CENTER (1969):** This complex consists of a classroom and studio building and the former president's home, which was renovated for faculty offices and a gallery for the Art Department.

**HAMMON STUDENT CENTER (1973):** The real center of student life is the two-story building which houses Shores Chapel, the Inn, Book Store, Bison Lanes, Post Office, recreation room, lounge, and student association and student publications offices.

**PHYSICAL EDUCATION-ATHLETIC CENTER (1976):** The center has 83,125 square feet of heated and air-conditioned space for offices, classrooms, weight room, and locker and dressing rooms for physical education classes and intercollegiate athletic teams. There is a 45' x 75' swimming pool, three handball courts, and a 40' x 60' gymnastics area. The main arena is a playing area of 148' x 212' for basketball, volleyball, badminton, tennis, and indoor track. There is portable seating for 5,200 spectators at basketball games.

**GEORGE S. BENSON AUDITORIUM (1980):** Designed to seat 3,428 and named in honor of the president emeritus, the auditorium is used for chapel, lyceums, lectures, and other programs. The large stage and orchestra pit facilitate dramatic and musical programs. The building has one suite of offices and, when needed, four classrooms seating approximately 75 students each.

**JERRY MOORE FIELD (1981):** Jerry Moore Field is the intercollegiate baseball field.

**J. E. AND L. E. MABEE BUSINESS CENTER (1982):** This building houses offices for the School of Business faculty, the American Studies Program, the Belden Center for Private Enterprise Education, the Center for Management Excellence, the Guffey Media Center, the Hedrick Memorial Conference Room, and the Quintin Little Academic Computer Center. Eleven classrooms provide elevated seating for students. All classrooms are equipped with color video monitors which permit the viewing of video tapes and computer displays.

GOLF PRACTICE AREA (1983): This area, just east of Jerry Moore Field, has a long tee to practice driving, a green to practice chipping, and a green to practice putting.

RESIDENCE HALLS: Ten residence halls provide homes for Harding's resident students. Women's residences are Pattie Cobb Hall (1919), one of the original campus residences, which houses one of the campus cafeterias and a dining room; Cathcart Hall (1951); Kendall Hall (1961); Stephens Hall (1968); and L. C. Sears Hall (1975). Stephens Hall and Sears Hall are air-conditioned.

Men's residences are Armstrong Hall (1949); Graduate Hall (1956); American Heritage Center (1965); Keller Hall (1969); and Harbin Hall (1971). The American Heritage, Keller Hall and Harbin Hall are air-conditioned.

Harding also owns several houses near the campus to provide homes for junior and senior students when the residence halls are filled to capacity.

MARRIED STUDENTS APARTMENTS (1958, 1974): Seven buildings provide low cost housing for married students, with 68 one-bedroom and 32 two-bedroom units. The East Married Student Apartments built in 1958 have just been completely remodeled (1985) and now have central heat and air conditioning.

OTHER BUILDINGS: The following are other campus structures: the old swimming pool, the Academy Building, the heating plant, the laundry building, the receiving center, the carpenter shop, the automotive shop, the campus maintenance facility, the storage buildings, and the Bell Tower.

CAMP TAHKODAH: Located about 40 miles north of Searcy in the Ozark foothills near Batesville, this well-equipped camp area of 1,300 acres is owned by the University and is used by various campus groups for retreats. Except during the summer months, when its formal schedule is full, the camp is open to the general public at a modest fee.

**Special teaching aids** in many fields supplement classroom experience with practical opportunities for the students' increased understanding of concepts and their own creative development. Laboratories, studios, and libraries, for example, provide invaluable training and study opportunities that can be found no other way. Typical of the teaching aids and facilities at Harding are the following:

ACADEMIC COMPUTER CENTER: A DEC VAX 11/750 computer system with 6.5 megabytes of memory, nearly 500 megabytes of disk storage, and 32 terminals is housed in the Quintin Little Academic Computer Center on the first floor of the Mabee Business Center. There are 24 DEC Rainbow Microcomputer Systems located in the Rainbow Room and 18 Apple IIe Micro Computer Systems in the New Science Addition. The Rainbows and Apples can also access the VAX as terminals. These computer facilities are available for use by the faculty and students for educational purposes.

STUDIOS: The Mildred Taylor Stevens Art Center has excellent facilities for painting drawing, ceramics, sculpture, jewelry- and print-making, weaving and commercial art and design courses. The gallery of the Art Center and areas in the American Heritage Center and the library show works by students, faculty, and guest exhibitors.

BEAUMONT MEMORIAL LIBRARY: Library holdings include more than 262,199 volumes, 1,315 current periodicals, 12 daily and weekly newspapers, and thousands of pamphlets on general, educational, and vocational topics. In 1963, the library was designated a selective depository for United States government publications, and several hundred documents are added to the collection annually. More than 61,763 volumes of microform supplement the book collection, which is increased by approximately 6,000 volumes per year. In addition to printed material an extensive collection of recordings, consisting of more than 3,109 records in music, speech, and biology, is available for listening. Cassette players are also available with a collection of over 910 tapes for student use. In 1984 computer hardware was added to make it possible to do computer reference through Bibliographic Resources, Inc.

Special collections include the personal library of the late G. C. Brewer and the Juvenile Collection for use by students in elementary education, both adjacent to the Reference Room Annex. On the second floor, the Harding Room houses materials related to the history of the school and tapes in the Oral History collection.

The library staff cooperates with various departments in giving class instruction in the use of the library, as well as giving individual assistance as needed. The **Student Handbook** and **Faculty Handbook** may be consulted for detailed library policies and regulations.

BUSINESS LABORATORIES: Modern office equipment and business machines are used by majors in accounting, business education, business systems analysis, management, marketing, office management, and secretarial science.

CENTER FOR WORLD EVANGELISM STUDIES: The center is located in the Ezell Bible Building. Students get involved in stimulating studies which promote world evangelism.

COMMUNICATION FACILITIES: Students in all branches of the communication field have access to equipment which enriches the learning process. The Communicative Disorders Clinic serves the entire Searcy area in treating speech and hearing problems and gives students valuable clinical experience. The Recording Laboratory is used for practice by students in basic communication and public address courses.

COMPUTER CENTER: The Administration Building houses the central facilities of a DEC PDP 11/70 computer and a DEC PDP 11/24 used for word processing. Terminals in various buildings on campus enable these facilities to be used readily by administrative offices.

CURRICULUM LABORATORY: Students preparing to teach have access to a well-equipped curriculum laboratory located in the American Studies



Building. The laboratory contains curriculum materials such as textbooks which are used in the schools, and specialized curriculum materials in reading, language arts, and special education. Media materials and equipment are available for students to use in becoming familiar with the operation of such equipment and for preparing instructional materials which they may use in early teaching experiences in methods classes.

**EDUCATIONAL MEDIA CENTER:** Located in the J. E. and L. E. Mabee Business Center, the Educational Media Center contains an assortment of audio-visual equipment to serve the instructional needs of the faculty, Xerox and various photocopy machines, and facilities for preparing various instructional materials.

**HOME ECONOMICS LABORATORIES:** The Home Economics Department, located in the Olen Hendrix Building, has within its two-story complex, several specialized laboratories. Included in the laboratory facilities are: Child Development; Foodservice Management; Foods, Meal Management, and Equipment; Housing and Home Furnishings; Clothing and Textiles; Tailoring and Clothing Design. These laboratories have been especially planned and designed for both beauty and utility. Within each laboratory setting the student has the opportunity to utilize the very latest in equipment and consumer resources. The Foodservice Management Laboratory has been inspected and approved by the Arkansas Health Department. The Child Development Laboratory has been licensed as a day care center by the Department of Social Services of Arkansas.

**JOURNALISM FACILITIES:** Practical experience for journalism students comes from several sources, including volunteer work on the student newspaper and yearbook staffs. Courses in photography and typography make use of the journalism darkroom and professional facilities in the Harding Press print shop.

**LANGUAGE LABORATORY:** The Department of Foreign Languages and International Studies, located in the Ganus Building, includes a language-learning center used as an electronic classroom or a language laboratory. The 30-student station system is capable of transmitting six lesson sources simultaneously. The facility also includes individual language learning machines, isolation listening booths, a departmental library and reading room.

**MUSIC STUDIOS:** A recording studio with outstanding acoustical characteristics is used by the Music Department for rehearsals and recording purposes. Numerous individual and small group practice studios are sound treated and equipped with pianos for music students.

Under staff supervision, students operate the campus radio station, KHCA, and Cable Channel 12 TV, and may participate in all aspects of broadcasting work, from management and production to advertising and announcing.

The Benson Auditorium is an asset to both departments of music and communication. Lighting and sound equipment is versatile, and make-up studios, dressing rooms, and workshops for costumes and scenery are

available. The Administrative Building Auditorium and Little Theatre provide additional facilities for drama and music.

**RECREATIONAL FACILITIES:** Indoor recreation is centered in Rhodes Memorial Field House, where facilities include three basketball courts, an indoor softball floor, ping pong tables, volleyball, shuffleboard, and badminton courts.

The Physical Education-Athletic Center provides three handball courts, a gymnastics area, indoor track, tennis courts, and weight room. Two indoor swimming pools make year-round swimming possible. Bowling is available in the Hammon Student Center at the Bison Lanes, operated as an auxiliary enterprise of the University. A variety of games and other recreational facilities are available in the game room of the Student Center and in the dormitories.



Outdoor facilities include the intercollegiate football field, the Jerry Moore intercollegiate baseball field, and the eight-lane track at Alumni Field, plus intramural areas for flag football, softball, baseball, and other sports. There are six four-wall handball courts and eight concrete-surfaced tennis courts, which are lighted for night play.

**R. T. CLARK RESEARCH CENTER:** The south wing of the Science Building is equipped with a treadmill, bicycle ergometer, a lean-body-mass tank, a physiograph, a Haldane apparatus, a Van Style apparatus, spectrophotometers, a chromatographic apparatus, and other biochemical and hematological equipment for scientific evaluation of physical fitness levels.

**SCIENCE LABORATORIES:** The Science Building houses modern, well equipped laboratories for students in biology, chemistry and physics. Not only are laboratories furnished with standard equipment for science courses, but they also provide computer applications to science experi-

1985-1986 Harding University Catalog  
ments and opportunities for research. Five large laboratories and their instrument rooms provide excellent facilities for chemistry courses. The Department of Biology maintains eight large laboratories and such supporting facilities as a greenhouse, animal room, instrument rooms, herbarium, and walk-in refrigerator. Physics laboratories include one large laboratory for introductory physics and three advanced laboratories for specialty uses such as electronics and optics. For students preparing to teach science in public schools, a Science Curriculum Learning Center and a Mathematics Learning Laboratory are used for experience in classroom techniques.

**Special programs** serve to enrich the undergraduate program of the University. Although Harding is recognized as primarily a teaching institution, it also realizes that research and field study are invaluable educational assets for both the faculty and the student body.

**The Harding University in Florence Program**, an academic program in Florence, Italy, has been developed to utilize the unique opportunities afforded by study in Europe. The program is for sophomore, junior, and senior students in college. No attempt is made to provide a broad general curriculum but rather to offer such courses as may be studied with profit in a European setting. Serious involvement in classes combined with the experience of international living will furnish students with insights and perspectives which can be gained in no other way. Applications for the program will be accepted from students of Harding University and other institutions. Only students with a minimum grade point average of 2.00 on at least 27 semester hours will be considered. Anyone interested should contact the director, Dr. Don Shackelford, Harding University, Box 754, Searcy, AR 72143.

**The American Studies Program** was developed to train young men and women for leadership careers in business, public life, and education. The task is undertaken through formal training, observation tours, special seminars with staff members of the University, and lectures by leaders in industry, business, education, and government.

Although all students are exposed to a broad curriculum of American studies as part of the general education requirements of the University, outstanding students in the fields of accounting, business, economics, history and political science are invited to become members of the American Studies Program. The following activities constitute the program:

**TOURS:** Two tours are arranged annually to a variety of financial and industrial organizations, governmental institutions, and places of historic significance throughout the country. Itineraries of the past few years have included visits to Atlanta, Chicago, New Orleans, St. Louis, Dallas, Tulsa, Philadelphia, Williamsburg, and Washington, D. C.

**SEMINARS:** During each term students and faculty members of the American Studies Program meet regularly scheduled periods to discuss problems of personal, national, and international importance.

**GUEST LECTURES:** To supplement the curriculum of the University, recognized authorities are invited to the campus each year to lecture in their fields. During their two-day visits students are urged to attend special lectures, informal discussion periods, and possibly a dinner meeting.

The program attempts to combine an academic and a practical approach to learning. It stresses the uniqueness of the American scene but not at the expense of international understanding. It affords students the opportunity to search for truth through objectivity and faith in proven values. It stresses the need for professional competence and service to humanity.

A broad area major in American Studies has been developed, which is outlined in the curriculum of the Department of History and Social Science.

Students interested in the American Studies Program should write the director for a brochure and for additional information.

**Missionary training** is the goal of MISSION/PREPARE, a program in harmony with the University's devotion to Christian principles and service and in response to the increasing need for qualified and well-trained workers to take the gospel of Christ to a world exploding with greater populations. A three-faceted approach to training includes a four-year undergraduate curriculum in missions, a continuing education program, and an internship.

**UNDERGRADUATE MAJOR:** Courses in the mission curriculum, leading to the B. A. degree, are taught by former missionaries who are now on the faculty and by a visiting professor of missions, a full-time missionary on leave from his work. The courses are biblically oriented, yet practical.

**INTERNSHIPS:** Field work under the supervision of faculty members or approved missionaries may be done by students for academic credit as well as for the invaluable experience of practical work. Regular summer field trips are taken under the sponsorship of the Bible Department.

**HOPE: Harding's Outreach for Promoting Evangelism** is a two-year internship program designed primarily for college graduates. Approved students are guided in selecting a field, securing funds, and preparing for this missionary experience. Interested students should write to the Bible Department, Harding University, Searcy, Arkansas 72143.

**Cooperative Education** has become important in American higher education. Harding offers a program of Cooperative Education with both parallel and alternate plans.

Religious Opportunities . . . Cultural Opportunities . . . Extra-curricular Activities . . . Services of the University . . . General Regulations



Harding University

The students and their development are of paramount importance in every activity and plan of the University. The wealth of student activities comes from a variety of sources - some written into Harding's tradition by its founders, others arising from a special occasion or need, others simply happening because students get together - but all are part of the gently molding influence of a college education.

**"Christian life is stressed,"** reads one line of Harding's alma mater, and certainly it is true. Every opportunity for spiritual growth is made available to students. Religious activities of both curricular and extracurricular natures abound on the campus. Besides daily chapel and regular Bible classes, many other opportunities for spiritual enrichment are offered.

**TIMOTHY CLUB:** This is a traditional period of worship, study, and discussion on Thursday evenings for Bible majors and other students who wish to attend. Attendance is required of Bible, and Bible related majors.

**J.O.Y. CLUB:** Emphasizing Jesus first, Others next, Yourself last, this club permits young ladies to participate as Christians in special activities such as caring for the sick, visiting the elderly, babysitting, teaching Bible classes for children, and sponsoring ladies' lectureships.

**MISSION STUDY:** Another group of students meets to study particular aspects and techniques of foreign mission work.

**LECTURESHIP:** Harding's annual Lectureship is more than 60 years old. Hundreds of visitors join students in attendance during lectureship week, the first week in October, hearing lectures by church leaders from across the country.

**THE 13-IN-1 WORKSHOP** is held in even-numbered years in August and brings to the campus visitors from across the nation to participate in studies of all areas of church work.

**UPLIFT** is a unique campus camp for young people. Lasting for about a week, young people are able to hear many youth ministers in an excellent spiritual setting.

**DACTYLOLOGY CLUB:** For students interested in learning sign language and using it in evangelism.

Other religious activities in which the student may wish to participate are nightly dormitory vespers, lily pool devotionals, and various evangelistic campaigns during the weekend and vacation periods.

**Cultural opportunities** on the campus are numerous and originate from both student and professional sources. Two or three major dramatic productions and several smaller productions are presented each year, and music groups frequently give concerts on campus. Art students exhibit their works in senior shows throughout the year, and senior music majors present recitals.

The Lyceum Series brings to the campus a variety of professional

entertainment. A typical year's program might include a touring drama group, a symphony orchestra, a concert singer, an organist, and a singing group of popular appeal.

Various departments bring to the campus visiting lecturers on topics of special interest.

**Extracurricular activities** and co-curricular activities may link the students to their academic fields, special interests, or simply to their social and recreational needs, but all are part of their education. The following are student groups:

**Alpha Chi** is a nationally affiliated society encouraging and recognizing superior scholarship. Harding's chapter, the Arkansas Eta chapter, is open to the upper 10 per cent of the senior class, provided the cumulative scholarship level of each honor student is 3.50 or above on at least 104 semester hours, and to the upper 10 per cent of the junior class whose scholarship level is 3.75 or above on at least 80 semester hours. The society presents a medal at the May commencement to the graduating member with the highest four-year scholastic record.

**Student organizations** and the designated area of specialization are as follows:

Alpha Delta Mu (Social Work), Alpha Psi Omega (Drama), American Home Economics Association (Home Economics), Barristers (Pre-law), Behavioral Science Club (Sociology & Social Work), Campus Players (Drama), Cheerleaders (Football & Basketball), College Republicans, College Democrats, Data Processing Management Association, Delta Mu Delta (Business Administration), Flag Corps, French Club (Le Cercle Francais), Iota Beta Sigma (Broadcasting), Kappa Delta Pi (Education), Kappa Pi (Art), Nursing Club (Nursing), PEMM (P.E.), Phi Alpha Theta (History), Phi Beta Lambda (Business), Pi Sigma Alpha (Political Sciences), Pi Gamma Psi (Accounting), Pi Kappa Delta (Forensics), Pre-Med Club (Medicine and Health Sciences), Psi Chi (Psychology), Public Relations Student Society of America, Science Club, Sigma Delta Psi (Athletics), Sigma Theta Tau (Nursing), Sigma Tau Delta (English), Spanish Club (Los Conquistadores), Student National Education Association (Teaching), The Guild (Art), The Society for Advancement of Management. The Society for Collegiate Journalists.

**Music organizations** on campus are:

**A CAPPELLA CHORUS:** a mixed chorus meeting daily whose membership is by audition.

**BELLES AND BEAUX:** a group of about fifteen chosen from the Chorale and A Cappella Chorus, meeting three times each week, emphasizing

musical entertainment.

**CHAMBER ORCHESTRA:** meets two evenings per week to perform the works of major classical composers for chamber orchestra.

**CHAMBER SINGERS:** a mixed ensemble selected from the Chorale to perform in the community.

**CHORALE:** a mixed chorus meeting daily whose membership is by audition.

**CONCERT BAND:** open by audition to all University students. Begins rehearsing in the latter part of the fall semester and continues through the spring semester, performing concert and symphonic band literature.

**JAZZ BAND:** an auditioned group open to all University students.

**PEP BAND:** an auxiliary group of the band; membership is by audition.

**STRING QUARTET:** a small ensemble of string and woodwind players meeting once a week; membership is by invitation.

**THUNDERING HERD MARCHING BAND:** open to any interested instrumentalists; meets regularly during the fall semester.

**TROUBADOURS:** a men's chorus meeting twice a week; membership is by audition.

**Student publications** provide a factual record of the year's events and a forum for student expression. The weekly newspaper, **The Bison**, has won awards in both national and state competition and received in 1984 the sweepstakes award in the Arkansas College Publications Association competition and an All-American rating from the Associated Collegiate Press. The yearbook, the **Petit Jean**, has been honored for 25 consecutive years with an All-American rating from the Associated Collegiate Press. The English Department sponsors annually a publication of creative writing submitted by students to the Jo Cleveland Creative Writing Contest.

**Communication activities** on campus include the following:

**FORENSICS:** Intercollegiate debate teams participate in 12-14 major debate tournaments each year and have achieved an excellent record in state, regional, and national competition. Team members also participate in oratory, extemporaneous speaking, public discussion and oral interpretation events.

**HIGH SCHOOL TOURNAMENT:** College students gain experience in assisting in the operation of a tournament with debate and individual events involving 600 area high school students.

**THE R. H. THORNTON, SR. SPEECH COMPETITION ON CHRISTIAN COMMUNICATION:** The family and friends of Raymond H. Thornton, Sr. of Sheridan, Arkansas, provide annually a cash prize for the best speech on the subject of "Communication in the Christian Context."

**THEATER:** Student directed one-act plays and three major productions including a homecoming musical are presented each year.

**INTERPRETERS THEATER:** An annual major show promotes effective group presentation of dramatic and non-dramatic literature.

**RADIO:** The campus carrier current AM radio station, KHCA, is operated by a staff of approximately 30 students with a faculty manager.

**TELEVISION CABLE CHANNEL 12:** Students in communication have access to production and directing news, entertainment, and special events through White County Video, Inc.

**STUDENT SPEECH AND HEARING ASSOCIATION:** The student Speech and Hearing Association is an organization composed of individuals working toward a degree in Communication Disorders. Their service projects usually include a campus wide hearing screening, and an informative chapel program.

**Business and economics majors** are selected to participate in the Intercollegiate Business Games and the Free Enterprise Intercollegiate Competition, competing against major colleges and universities across the nation. Harding's Business Team has won the Michigan State University games three times and the Emory University games four times. Harding's Economics Team has won the Southwestern Free Enterprise Competition eight of the last nine years and placed first in the National Students in Free Enterprise Intercollegiate Competition in 1980, 1981, and 1982.

**Athletics** at Harding involve nearly all students. A full intercollegiate schedule draws many participants and even more ardent supporters. Participation in an outstanding intramural program involves about 90 per cent of the men and 80 per cent of the women students.

Harding is a member of the Arkansas Intercollegiate Conference and the National Association of Intercollegiate Athletics. Men's teams are fielded in football, baseball, basketball, track, cross-country, tennis, golf, and swimming. Women's teams are fielded in basketball, cross-country, softball, track, and volleyball. The Athletic Committee controls intercollegiate sports in harmony with established policies approved by the faculty, and competition is regulated by the basic educational purposes of the University.

In the conduct of intercollegiate athletics, the University administration subscribes to the Athletic Policy of the Commission of Colleges and Universities of the North Central Association of Colleges and Schools. **The student athlete must be an undergraduate student regularly enrolled in at least 12 semester hours. He/she must have passed 12 hours the previous semester in attendance and no less than 24 hours the previous two semesters with a satisfactory cumulative grade point average.** Participation is limited to four years during the first 10 semesters of undergraduate enrollment.



The intramural program includes both team and individual sports, with competition existing between social clubs and classes as well as teams assigned by the directors of the program. The major sports are flag football, softball, baseball, basketball, volleyball, tennis, and track.

**Social clubs** at Harding are different from fraternity systems of most institutions. Every Harding student who desires membership in a club is assured of receiving an invitation, and the large number of groups (19 for men, 19 for women and 1 co-ed) gives each student a wide choice of club interests and sizes. Organized to provide students a wholesome social life with opportunities to develop leadership abilities and cooperative attitudes, the clubs engage in service projects, promote school spirit at athletic events, and enjoy banquets, parties, outings, interclub athletics, and Spring Sing competition.

**The Student Association** is the student government organization, which is headed by an executive council consisting of four officers and two representatives from each class. A cabinet of ten students is appointed by the S. A. President to take responsibility for specific activities of the association.

The Student Association exists to provide close cooperation between the students and the administration and faculty and in furnishing a systematic plan of participation in the responsibilities of the University. Executive council members serve on standing faculty committees which are concerned with student welfare.

Active in a variety of tasks, the Student Association sponsors social events for the entire student body, assists in planning Homecoming, sponsors movies on campus, encourages academic competition among social clubs,

studies campus problems, and makes recommendations 1985-1986 Harding University Catalog  
and faculty on subjects relating to the University and specifically to the students.

**Services provided by the University** assist the students in their total development. Services include academic advising, personal counseling, testing, placement, health, junior college relations, and alumni relations.

**ACADEMIC ADVISING** is given each student by a faculty member who is assigned as an advisor. Freshmen and sophomores are generally assigned to faculty members in their respective fields of interest or to one of the preprofessional advisors. At the end of the sophomore year students are usually advised by the dean of the school or the chairman of the department in their major field of interest.

**THE COUNSELING CENTER** is located in the Student Services Building. A staff of professionally trained counselors is maintained to provide confidential assistance with educational, vocational, personal, marital, and social problems. The object of the Counseling Center is to help individuals achieve a realistic appraisal of their abilities, interests, values, and aptitudes. Increased self-understanding is viewed as essential to developing the insights and skills necessary for mature, personally satisfying decision making. Interested individuals may take advantage of a well provided career library and video tapes of careers in the world of work. During the school year students can also take advantage of special groups in time management, study skills, and self-improvement. If tests are needed for self understanding, academic planning, or vocational selection, these are administered and interpreted at no cost.

All services are short-term, non-fee services which are independent of any medical, instructional, or disciplinary measures.

**THE INSTITUTIONAL TESTING PROGRAM**, which includes the tests required for freshmen, seniors, and graduate students, and the English proficiency examinations, is administered by the Director of Institutional Testing. Special examinations are also available to students, as well as information about a wide range of national testing programs. The testing center conducts comprehensive research projects related to test scores. These include normative and validity studies and grade predictions.

When students need test scores sent to other colleges, to graduate schools, or to other agencies, they should contact in writing the Institutional Testing Office. The first request up to three copies is free. Single copies thereafter cost \$1; three copies ordered at the same time cost \$2.

**THE PLACEMENT OFFICE** keeps in touch with schools, industries, and businesses. It assists in finding suitable positions for Harding graduates, graduating seniors, and graduates of any recognized senior college who have completed, or are completing, six semester hours of acceptable work at Harding. All graduating seniors must register with the Placement Office, and graduates may write back to the Placement Office at any time

in securing new jobs. There is a charge of \$3 per set of credentials for every set requested after a graduate has left the University.

**HEALTH SERVICES** provided within the registration costs include first-aid and emergency care which can be administered adequately in the University Health Center.

Since hospitalization is not included as a part of the University's own infirmary service, a student accident and sickness insurance plan is available to all full-time students at a cost of approximately \$135 per fiscal year for a single student under a student group plan, with higher rates for students having dependents. This covers hospitalization, surgical fees, and medical care as provided in the policy and includes intramural athletic activities.

Every student participating in intercollegiate athletics is covered on a separate policy for any athletically related injury during participation, practice, and travel to and from an athletic event; however, this insurance **does not** cover any other injury or illness.

Health service does not cover the cost of drugs, extensive examination, X-rays, dental care, or medical attention for chronic illnesses or accidents, including those incurred in voluntary activities such as intramural sports and outings, which require the service of a physician or outside hospitalization. These services may be arranged through the nurse, but the student will be expected to pay the additional cost.

Student may select their own physician in consultation with the Health Center. The University does not assume financial responsibility for medical service arranged by the student. Financial responsibility of the University for health service ends with the termination of one's student status.

**The Alumni Association** of Harding University maintains an office on the first floor of the American Heritage Center. This office serves as the center through which the activities of the Alumni Association are coordinated. The purpose of the Association is to promote the welfare of Harding and a mutually beneficial relationship between the alumni and their Alma Mater. An up-to-date file on alumni is maintained, including alumni of Harding University, Harding College, Arkansas Christian College, Harper College, Cordell Christian College, Western Bible and Literary College, Monea College, and Potter Bible School.

"Alumnotes," news about Harding and Alumni Association activities, is published in the **Harding University Bulletin**, which is sent to all alumni in the active file. The chief activities of the Association are held in the fall during the weekend of the Homecoming football game. At this time the annual business meeting is held, the 25-year class is honored, and the Black and Gold Banquet is featured. Additional periods of fellowship are planned in connection with the Lectureship and the spring Commencement. Alumni are encouraged to make an annual contribution to the Alumni Fund.

A Distinguished Alumnus Award is presented at the Back and Old Banquet to an outstanding alumnus chosen by the Executive Committee of the Association from nominations made by alumni. Five Outstanding Alumnus Awards are also made annually, the recipients being chosen by different divisions of the University.

**General regulations** concerning student conduct exist to further the aims of Harding University in maintaining and promoting Christian standards of life. In all matters pertaining to personal conduct, students are expected to behave as responsible citizens in a Christian community. A student's application for admission to the institution implies acceptance of the objectives and regulations of the University, and any person who is antagonistic to the spirit of Harding and who does not intend to support its policies should not enroll. The University aims to have its discipline firm, reasonable, and sympathetic. It reserves the right to dismiss a student whenever in its judgment the general welfare of the institution seems to require such action. A student who must be suspended during a semester for disciplinary reasons is subject to receiving a grade of "F" in all courses for that semester.

Students are responsible for reading and observing all regulations in the **Student Handbook**, which is available during fall registration. The following regulations are designed to contribute to the welfare of each student.

**BIBLE CLASSES:** The University believes that a knowledge of the Bible and an appreciation of its teaching constitute the foundation for building happy and useful lives. Therefore, each student is required each semester to enroll in a course in Bible or in an approved course in a related field.

Attendance is compulsory regardless of the grade being earned. Failure to attend regularly may result in suspension from the University. The student is allowed one week of unexcused absences. The next three unexcused absences will drop the final average three points for each absence. Students who miss more than three above what is allowed, will be referred to the Bible Absence Committee for disciplinary action.

Students who take as many as eight hours in summer school (excluding intersession) must take one hour of Bible.

**CHAPEL ATTENDANCE:** One of the most important periods of the day is the chapel service, which draws faculty and students together in a common experience. The quiet devotional period is followed by programs designed to facilitate the many objectives of the institution. **Each student is required to attend daily.**

Students with eight unexcused absences will receive a chapel warning card, and the parents will be notified. The card must be signed and returned to the Student Personnel Office. Failure to sign and return the card results in automatic suspension from the University. Students who accumulate more than ten unexcused absences from chapel in a semester, will receive a drop card from the Student Personnel Office. Three tardies

1985-1986 Harding University Catalog

is counted as one absence. It is the students' responsibility to check the list each week to see if their name appears with the absences recorded and any correction must be made within one week.

**CHURCH ATTENDANCE:** Students are expected to attend church services each Sunday morning and evening.

**STUDENT MARRIAGES:** Students who marry secretly or who falsify their marital status automatically sever their relationship with the University.

**MORAL CONDUCT:** Harding considers the following to be detrimental to the student and/or university process and such behavior may subject the student to separation from the University. In some instances, automatic suspension from the University for at least one semester results.

**ALCOHOL AND DRUGS** - Use or possession of alcoholic beverages and/or illegal use or possession of narcotics, depressants, stimulants, hallucinogens or solvents.

**SEXUAL IMMORALITY** - Harding considers it improper to stay overnight in a motel, hotel, or like arrangements with a member of the opposite sex. Dismissal will be immediate, although sexual immorality may not be proven.

**LYING** - Intentional lying to the student affairs committee will mean suspension from the University.

**USE OF TOBACCO IN ANY FORM.**

**EXCESSIVE PUBLIC DISPLAY OF AFFECTION** - Mature students who have respect for themselves and for their dates will instinctively avoid excessive display of affection which may to onlookers appear cheap and unbecoming. Administrators, faculty, staff members and security officers have been instructed to correct, counsel and report couples in this regard.

**GAMBLING** - Including attendance at any gambling event, such as horse races, etc.

**DISHONESTY** - Including academic misconduct, plagiarism, falsification on tests and assignments, forgery, failure to meet financial obligations in the community, consistent writing of hot checks, stealing someone else's property, and intentional lying to a University official.

**ABUSE OF PROPERTY** - Including arson, destruction, misuse, damage, and deliberate defacing of University property or facilities.

**UNAUTHORIZED MEETINGS** - Including demonstrations and disruptive mass gatherings and obstruction of University activities and processes.

**ADMINISTRATIVE REQUESTS** - Failure to respond in a reasonable amount of time to an official notice from an administrative office of the University.

**REFUSAL TO COOPERATE WITH UNIVERSITY OFFICIALS** - Such as refusing to take a polygraph test, breath test for alcohol, etc.

1985-1986 Harding University Catalog

**COMPUTER ABUSE** - Any student who acquires or attempts to acquire unauthorized access to the administrative data in the computer is subject to dismissal.

**VIDEO EQUIPMENT** - Video equipment should not be brought to the campus for personal use. Any video equipment that is brought to campus should have the approval of one of the Associate Deans of Students. The use of video equipment (video tapes, video cassettes or video disks) to show "X" or "R" rated films is prohibited. It is in strict violation of University policy to use video equipment and charge admission. Violation of the above could mean immediate suspension.

**OTHER UNCHRISTIAN CONDUCT:**

- Unauthorized possession of keys, examinations, equipment, or supplies belonging to the University or its agent.
- Unauthorized soliciting, advertising, selling and distribution of materials in University housing or anywhere on campus.
- Illegal and disruptive visits to other campuses.
- Residence hall misconduct, including physical or mental abuse of other students.
- Failure to show I.D. cards to faculty, staff or administration.
- Any other conduct which is not consistent with the moral standards of a Christian institution, such as dancing, hazing, obscene literature and pictures, profanity, improper dress, stealing, etc.

**FINANCIAL:** Students' fees, loans, fines, bills, and traffic penalties are their responsibility and must be paid when due. Financial delinquencies will result in withholding final examinations, delay of grade reports and transcripts, and cancellation of financial aid.

**NON-RESIDENT STUDENTS:** Local students are expected to observe Harding's regulations.

**UNMARRIED STUDENTS:** Harding University believes that students profit more from living on campus than from living in rented rooms or apartments off campus. Thus, single, undergraduate, students are required to live on campus. Harding University provides on-campus students with counseling and guidance services, adequate housing, a balanced diet and varied entertainment, as well as cultural opportunities.

Only the following exceptions may be made for off-campus housing:

1. Must be at least 23 years of age.
2. Ninth semester (Senior classification, completion of fourth year).
3. 21 years old and a veteran.
4. Live with faculty/staff member or other approved person.
5. Live with an approved close relative (family).
6. Take less than 9 hours fall and spring or one four-hour class or less each session of summer school, (must have junior standing, must have a CGPA of 2.0).
7. Graduate.
8. Student Teaching.
9. Field Placement.

# Academic Information

Admission Requirements . . . Academic Regulations . . . Degrees Granted  
. . . Requirements for the Bachelor's Degree . . . Organization of  
Curriculum . . . Majors Offered





**Admission** to Harding University is determined on an individual basis with the following criteria considered: (1) academic preparation, (2) character, (3) educational interests, and (4) academic potential. Effort is made to admit all students who qualify and who can benefit from the educational program and opportunities available at Harding irrespective of their religious faith, national origin, sex, race, or color. When applying each student should be aware of the purpose of Harding University and be willing to uphold institutional values.

**High school graduates** should have completed at least 15 units in academic subjects. **Specifically, an applicant must have a minimum of 3 units in English and 9 units from other academic courses such as mathematics, science, social science, and foreign language.** The remaining 3 units may be from other high school courses.

These course requirements represent the **minimum** number of units necessary. Most high school graduates will more than meet these requirements and all prospective applicants are strongly urged to do so.

Generally, a "C" average is required for admission. High school graduates and transfer students with fewer than 14 semester hours of credit are required to submit an official report of scores achieved on the American College Test. A minimum composite score of 17 is recommended since Harding freshmen average about 19 on the ACT.

ACT scores and academic records are jointly considered in evaluating the eligibility of an applicant. Low grades may be offset by higher ACT scores; high grades may offset low ACT scores.

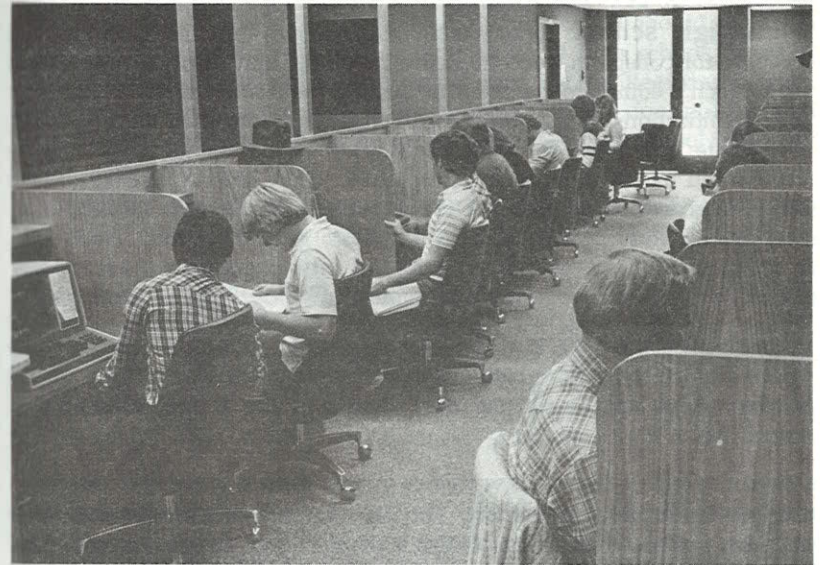
Applicants who do not meet the standards specified above may be granted probational admission for the summer session or the spring semester. Normally, a 1.65 grade point average must be achieved during the probationary period to qualify for re-enrollment at Harding.

**Transfer students** will be granted unconditional admission if their grade point average is 2.00 or higher and their references are acceptable. Those with lower averages will be considered on an individual basis and may be granted probational admission during any semester or summer session. A transfer student who has been a full-time student for at least one semester and who has earned 14 or more semester hours of credit acceptable by Harding will not be required to submit ACT scores.

Full credit will normally be given for courses transferred from accredited institutions if the courses approximately parallel those at Harding. Students presenting transfer credit from non-accredited institutions may have their credit validated by special examination or on the basis of satisfactory work completed in residence.

Students who have been attending an accredited four-year college may transfer up to 96 semester hours toward graduation. A maximum of 68 semester hours may be transferred from an approved two-year college. A

transfer student may enter Harding under the catalog in effect during his freshman year of college, subject to the time limitation specified (see STATUTES OF LIMITATION SECTION).



**TRANSIENT CREDIT:** After a student has earned 68 hours of credit, all additional credit that will be accepted toward satisfying graduation requirements must be completed at an approved four-year college or university. It is wise for the student to check with the Vice President for Academic Affairs at Harding relative to the acceptability of the credit prior to enrolling as a transient student at another institution.

**Junior College students** who complete the A.A. or A.S. degree before transferring may satisfy Harding's general education requirements at the junior college by completing the broad-area curriculum outlined below:

Bible (textual courses).....	8	semester hours
English Composition and Com O (Speech).....	6	
Humanities:		
Literature .....	6	
Art and/or Music Appreciation .....	3	
Natural Science .....	7	
Mathematics .....	3	
Social Science (must include 6 hrs.		
American and/or World History) .....	12	
Physical Education Activity.....	3	

Please note that this plan applies **only to graduates** of junior or community colleges. Non-graduates must meet the normal general education requirements at Harding. Please note also that the above plan does not provide

for waiver of courses required as part of a particular major. Students who plan to certify to teach will be required to meet all certification requirements specified by the Arkansas Department of Education.

**Non-high school graduates.** Prospective students who did not prepare for college in a recognized high school may apply for admission and attach a complete statement regarding their educational background and qualifications. If they have a GED (General Education Development) Certificate and meet the other admission requirements, they will be considered by the Admissions Committee. They should arrange to take the American College Test (ACT) and have scores sent to Harding.

**Special students** are those who do not meet admission requirements but who desire to enroll in certain courses. Such students may be permitted by the Vice President for Academic Affairs to enroll in any course which they are qualified to study, but credit earned as a special student does not count toward a degree. Only a few students are approved.

**Steps toward admission.** The Director of Admissions and other members of the Admissions Office staff are ready to provide necessary assistance with all phases of college plans. Interested students should feel free to write or call: Director of Admissions, Harding University, Box 762, Searcy, AR 72143, (Phone: 501-268-6161, Ext. 407). To gain admission, students must see that the following items are filed with the Director of Admissions:

**APPLICATION FOR ADMISSION:** An Application Form can be obtained from the Director of Admissions. The Application Form is to be completed by the applicant and returned to the Director of Admissions well in advance of the proposed enrollment date. A pre-addressed envelope will be provided with the form.

Two required fees should accompany the Application for Admission - a \$15 application fee and a \$25 housing reservation fee. The application fee is non-refundable and covers the cost of application processing. The housing reservation fee is a deposit that is subsequently applied to the student's account. The \$25 housing reservation fee will be refunded if the housing reservation is cancelled more than 30 days prior to the proposed enrollment date and the student's account in the Business Office is in order.

The fees may be forwarded in the form of one check or money order in the amount of \$40 made payable to Harding University. Commuting students should file only the \$15 application fee.

**REFERENCE FORMS:** Two reference forms will be sent upon receipt of the application. They are to be mailed or delivered to two persons who are qualified to evaluate the applicant.

**TRANSCRIPT(S):** Copies of academic credentials must be filed with Harding University. Students who plan to enter college for the first time should ask the high school guidance counselor or principal to send directly to the Director of Admissions an official copy of their high school transcript. Students who make early application should request a transcript to be sent at the end of three years of high school. Transfer students should have official transcripts sent by the Registrar of each institution previously attended. If the college transcript does not list high school units earned, it will also be necessary for the high school transcript to be requested.

**AMERICAN COLLEGE TEST (ACT):** Harding uses the test of the American College Testing Program as a scholastic aptitude entrance examination. Applicants who will have fewer than 14 semester hours of transferable college credit when entering Harding will be required to take the American College Test. The ACT includes tests in English usage, mathematics usage, social studies reading, and natural science reading. The entire battery is completed in one morning. Scores on the ACT are used along with other information to determine the ability of each applicant to be successful in college work at Harding University.

The ACT is given at testing centers at high schools and colleges across the nation five times during the school year. The first test period is usually in October and the last test in June. Students who wish to apply for loans should take the ACT at one of the earlier test dates. Information and application blanks may be obtained from high school counselors or principals, directly from the ACT Registration Unit, P. O. Box 414, Iowa City, IA 52240, or from Harding Admissions Office.

**Readmission Procedures.** Students who have previously attended Harding University and are returning after a lapse of one or more semesters do not have to make application through the Admissions Office. They must contact the Student Personnel Office for a Records Information Form. If they have attended another college/university in the interim, they must request the Registrar of that institution to send a transcript of their work to the Registrar at Harding.

**An Early Admissions Program** is conducted each summer for outstanding high school students who have completed a junior year in high school. Students who have achieved a "B" average or better in 12 "solid" academic courses may be approved for enrollment in college courses during the summer sessions. Credit earned in this program will be held in escrow until the students have completed the senior year of high school. Some students may qualify for admission to college the following fall semester. For information, write Dr. Larry Long, Director of the Summer Session, Harding University, Box 898, Searcy, AR 72143.

**Classification of students** is determined in the following manner:

Regular students who have met entrance requirements but who have earned fewer than 27 semester hours of college credit at the beginning of any semester are classified as **freshmen**. Those having 27 hours of college credit at the beginning of any semester are classified as **sophomores**. Those with 60 hours are **juniors**. Those with 90 hours are **seniors**.

Any student enrolled in 12 or more hours per semester is classified as a **full-time student**. Any student enrolled in fewer than 12 hours per semester is classified as a **part-time student**; however, a **part-time student who is enrolled in more than 8 hours per semester is subject to the Bible-course and chapel-attendance policies.**

**Academic regulations** at Harding are as follows:

**CLASS AND CHAPEL ATTENDANCE:** Admission to the University implies that the students will observe the regulations of the school in regard to class and chapel attendance. Regular attendance and participation in classroom activities are necessary for the attainment of a student's educational objective. Regular chapel attendance contributes to their moral, spiritual, and intellectual growth. **Students who do not meet their responsibilities for attendance at classes and chapel will be asked to withdraw.** The Student Handbook fully explains the attendance policy and each student is responsible for learning and following the regulations.

**CLASS CHANGES:** Any student changing a class will be charged a fee of \$5 unless the change is required by the institution. Class changes are not permitted after Monday of the fourth week of any semester except for unusual circumstances and only with the approval of the instructor and the Vice President for Academic Affairs.

**CLASS DROPS:** Any student dropping a class will be charged a fee of \$5 unless the change is required by the institution. Any class dropped without the official approval of the University will be marked "F". Courses dropped by Monday of the fourth week will not appear on the official record. If a class is dropped between the fourth and fourteenth weeks of the semester, a grade of "W" will be assigned and that grade will not affect the grade-point average. A class may not be dropped after Friday of the fourteenth week; during summer sessions, the second and fourth weeks will be the deadlines. To drop a class a student must submit a properly-signed official drop card to the Registrar.

**LATE ENROLLMENT:** Students enrolling after the day set for registration are charged a late enrollment fee of \$17.50 for Thursday and Friday following regular registration, \$29.00 for Monday through Wednesday of the second week, and \$35 thereafter. The amount of course work to be carried is reduced according to the time of entrance. Enrollment is not permitted after Monday of the fourth week of the fall and spring semesters and after the first week of either summer term except limited programs. Exceptions to this regulation must be approved by the instructor and the Vice President for Academic Affairs.

**EXAMINATIONS:** A sufficient number of examinations, including a final,

is given during a semester to provide a satisfactory basis for grades. Students are expected to take all regularly scheduled examinations. If a student misses an examination because of illness confirmed by the school nurse or family physician, participation in a University activity approved by the faculty-sponsor or other cause sanctioned by the Vice President for Student Affairs, the student will be permitted to make up regular examinations missed because of the clearly acceptable reason; however, **the exact procedure used by the teacher may vary** subject to the approval of the Vice President for Academic Affairs. A teacher is under no obligation to give a make-up examination because of an unexcused absence.

A final examination may be taken out of regular schedule only in situations approved by the instructor and the Vice President for Academic Affairs, but an **examination fee of \$5** will be charged unless it is because of illness confirmed by the school nurse or family physician or approved official representation of the University. Except for physical education activity classes, laboratory sections of courses having a laboratory and courses taken by certain seniors in a professional "block", **final examinations are not to be taken before the beginning of the scheduled final examination period.**

**REPORTS AND GRADES:** Reports of semester and mid-semester grades are sent to parents or guardians **unless** the student meets federal requirements for exemption and files a written request with the Registrar that grades not be sent to parents or guardians. A report on unsatisfactory work may be sent at the same time.

Scholarship or achievement of the student in each course is expressed as follows:

- A — Excellent or outstanding
- B — Good or superior
- C — Average
- D — Below average, the lowest passing mark
- F — Failure
- W — Withdrawn
- I — Incomplete

An "I" may be given only when the student has been unable to complete a course for reasons which in the judgment of the instructor have been unavoidable. **Incompletes must be removed by the end of the first nine weeks of the semester immediately following the semester or summer session in which the "I" was received.** Those not completed within the specified time automatically become "F."

A grade of "I" is considered as an "F" until it is removed.

**After a final grade has been reported to the Registrar, the only basis for changing the grade is an error on the part of the faculty member in calculating or reporting the grade.**

**DEFINITION OF SEMESTER HOUR:** A semester hour of credit requires 15 hours of lecture, recitation, discussion, or equivalent, exclusive of the

time devoted to final examinations. On the average, two hours of preparation should accompany each hour spent in lecture, etc. Two to four hours of laboratory work are equivalent to one hour of recitation.

**HONORS AND HONOR POINTS:** In order to determine the student's scholarship level, the following points are assigned for each hour of the indicated grade: A, 4; B, 3; C, 2; D, 1; F and I, 0. A grade of "W" is not used in determining scholarship levels.

A Dean's List is published each semester of those achieving high scholarship. To be eligible for the Dean's List a student must be carrying 12 hours of work or more. Freshmen must have an average scholarship level of 3.25 and sophomores, juniors, and seniors a level of 3.50.

Students who achieve a scholastic level of 3.30 points during their entire college course are graduated **cum laude**. Those with an average of 3.60 are graduated **magna cum laude**. Those with an average of 3.85 are graduated **summa cum laude**.

**SCHOLARSHIP LEVELS:** The scholarship level or grade point average is computed by dividing the hours attempted into the total honor points.

To be in good standing, a student must maintain a grade point average according to the scale listed below:

- 1.35 at the end of the first semester
- 1.50 when 26 semester hours are earned
- 1.75 when 56 semester hours are earned
- 2.00 when 80 semester hours are earned

Failure to achieve the required grade point average will result in being placed on academic probation. If the probationary status is not removed that semester, they will be placed on strict academic probation. Failure to remove the probationary status the second semester will result in suspension.

In compliance with the Veterans Administration's minimum standards of progress, if students receiving VA assistance are placed on academic probation and do not remove this probation by achieving a grade point average according to the scale listed above, they will be suspended from receiving VA education benefits for one semester at the end of the semester they are on probation.

The probation policy applies to the regular school session. Probation is normally removed only at the end of a semester, but never at mid-semester. Summer school study, however, may be accepted in removing probation, provided the summer school program has been approved in advance by the Academic Retention Committee.

Students who have been suspended will normally be required to drop out for at least a full semester. They may be permitted, however, to attend the summer session, and if they achieve an adequate record on a program of summer work approved in advance by the Academic Retention Committee, they may be accepted for readmission for the fall semester.

Students who have been suspended must make application to the

Academic Retention Committee for readmission, giving evidence that they will be able to do satisfactory academic work if readmitted. **In general, the second suspension will be permanent.**

Students on academic probation will be limited to not more than the normal load. **When students are on academic probation, they are not eligible to represent the University in any extracurricular activity, such as intercollegiate athletics, chorus, debate, band, dramatic productions, and student publications.** Representing the University includes a public performance or trip in behalf of the activity but does not include regular meetings of the activity. Mid-semester grades are not used to establish eligibility.

The University will attempt to notify both the students and their parents regarding scholarship deficiency. Students, however, are at all times personally responsible for maintaining proper academic standards.

**REPEAT COURSES:** Students may repeat any course which they have previously taken; however, **repeating a course voids previous credit in that course** and the grade received when the course is repeated becomes the official grade for the course. **The repeated course cannot be dropped without losing credit in the course.** The GPA may not be raised by repeating a course and then withdrawing from it.

**AMOUNT OF WORK:** The normal course load is 16 hours per semester. Many first semester freshmen, however, will find it advisable to limit their load to 14 or 15 hours; 18 hours is the absolute maximum load permitted a freshman.

Students who work for part of their expenses may be restricted in the amount of course work to be carried if, in the judgment of the appropriate academic dean, they are attempting to undertake more than they can satisfactorily do.

Sophomores whose scholarship level for the semester immediately preceding is 3.00 may carry 18 hours of credit. Juniors and seniors whose scholarship level for the semester preceding is 3.00 or whose cumulative grade-point average is 3.00 may carry 19 hours of credit. The appropriate academic dean may permit students to vary one hour from this schedule, but **under no circumstances will a student be permitted to enroll in more than 20 hours per semester.** The maximum credit that can be earned during the supervised teaching semester normally is 17 hours, but the Dean of the School of Education may permit 18 hours when circumstances justify.

**TRANSFER CREDIT:** Transfer credit will count as upper-level credit only if the course has a junior-senior status at the institution where taken. **Credit earned at a two-year college after a student has 68 semester hours will not be accepted for transfer except for Bible majors who take the third-year Bible program at an approved junior college.** All work transferred from a junior college is considered lower-level credit **except for 300-level Bible courses taken in the third year by Bible majors in an approved third-year program.**

**ADVANCED PLACEMENT CREDIT:** Harding will grant college credit for courses successfully completed in the Advanced Placement Program of the College Entrance Examination Board by entering freshmen while they were in high school. For scores of 5, 4, and 3, the semester hours of credit permitted will be that allowed for the corresponding freshman course or sequence of courses at Harding, but no grade will be assigned. Freshmen earning advanced placement credit may take sophomore-level courses in the academic area in which the credit was earned.

**CLEP CREDIT:** A maximum of 25 semester hours may be earned on the basis of scores achieved on the College-Level Examination Program (CLEP) General Examinations of Educational Testing Service, but no grade will be assigned and the CLEP General Examinations **must be taken no later than** the first date following enrollment as a freshman at the University. Students are urged to take the CLEP General Examinations at least six weeks prior to the date of enrollment **OR** to take the tests administered on an institutional basis the first day of the semester so that their scores will be available for academic advising. **CLEP credit applies toward advancing the classification of a student. A student who has earned college credit is not eligible to take the CLEP General Examinations.**

Credit may also be earned on certain CLEP Subject Examinations by achieving a score of 50 or higher. CLEP Subject Examinations may be taken at any test date during the student's undergraduate career unless the student has failed that course, either in regular attendance or by examination. For additional information, the student should check with the Director of Institutional Testing.

Generally, recent high school graduates will not be concerned about CLEP examinations unless they rank at the 85th percentile or higher on national



on such tests as ACT, SAT, or the National Merit Scholarship Qualifying Test. The CLEP examinations will normally be administered by the Director of Institutional Testing of Harding.

The Educational Testing Service charges a \$28 fee per test and Harding has a \$3 fee per test administration for taking the CLEP examination. If the student qualifies for credit, an additional fee of \$10 is charged for each course recorded for credit by the registrar.

**Any refund for a course dropped because of CLEP credit will be processed in keeping with the cataloged policies for dropping a course.**

The chart below outlines the basis for earning CLEP credit on the General Examinations:

CLEP General Exam	Minimum Score	Course Credit	Hours Credit
English Composition with essay	610	English 103	3
	630	Proficiency Requirement	0
Humanities:			
Literature	50	*Literature of Western World	3
Fine Arts	50	*Fine Arts	2
Mathematics	500	Mathematics 101	3
	525	Mathematics 105	3
Natural Science			
Biology	50	Biology 111	3
Physical Science	50	*Physical Science	2
Social Science — History			
History	50	History 101	3
Social Science	50	*Social Science	3
		<b>MAXIMUM TOTAL HOURS</b>	<b>25</b>

\* Specific course number will not be listed on the student's academic record, but the credit will count toward satisfying general education requirements in the respective area.

The English Composition with essay is administered four times a year—in January, April, June, and October. It is highly recommended that entering students complete the English Examination in January, April, or June. Students may elect to take the College Composition with Essay Subject Examination to earn credit in English 103. The other CLEP General Examinations are administered monthly on the Thursday of the third week. In order to take a CLEP test, the student must submit to the Institutional Testing Office, at least one month in advance of the desired test date, a completed application form accompanied by checks for the appropriate fees.

Students may register for the examinations by obtaining CLEP application forms from their high school counselors or by writing to Dr. Thomas M. Howard, Director of Institutional Testing, Box 931, Harding University, Searcy, AR 72143. A CLEP Test Center booklet listing test centers and testing dates is available from CLEP Publication Orders, Box 2814, Princeton, NJ 08540.

**EXEMPTION TESTS:** A student who has achieved in his high school program or by independent study the proficiency expected in a general education course may in most general education courses exempt the specific course requirement by satisfactorily passing a comprehensive examination or series of tests over the course; however, no hours of credit are received. The candidate is charged a fee of \$10 per course for exemption tests.

**CORRESPONDENCE CREDIT:** A maximum of 18 semester hours of correspondence credit may be counted toward a baccalaureate degree. Not more than 12 consecutive hours of such credit may be submitted, however, until 6 hours of additional residence work have been completed.

If correspondence work is permitted while a student is attending Harding University, the hours of credit carried by correspondence will be included in determining the maximum load permitted per semester.

All correspondence courses that are to apply toward graduation should be approved in advance by the Vice President for Academic Affairs and **must be taken from a college or university that is a member of the National University Extension Association.** A minimum grade of "C" must be achieved for the credit to transfer. A course that has been previously failed by a student will not be approved for correspondence study.

**CREDIT BY EXAMINATION:** To encourage independent achievement, regularly enrolled students with a minimum cumulative grade point average of 3.00 may earn credit by comprehensive examination in courses in which they have acquired the understanding normally gained through course work. Beginning freshmen whose high school records and entrance examinations would seem to warrant may receive credit by examination for courses which would largely duplicate work completed in high school.

Application for such examinations must be made up on a form supplied by the Registrar's Office and must have approval of the instructor in the course, the department chairman, and the Vice President for Academic Affairs.

The type of examination to be given is determined by a departmental committee. The candidate for an examination for credit is charged a fee of \$10 upon application and pays the regular tuition for the course when credit is granted. **A grade of "C" or higher must be achieved to receive credit by examination.** A student who has failed a course, either in regular attendance or by examination, may not reapply for credit by examination in that course.

A maximum of 32 hours of work completed by examination, correspondence, CLEP, and extension combined may be offered in fulfillment of the requirements for the Bachelor's degree.

**VALIDATION TESTS:** A student who has taken courses of study in a non-collegiate program such as a hospital, business school, or vocational school may be permitted to validate college credit for such study through comprehensive examinations for comparable courses offered at Harding. The candidate is charged a fee of \$10 per course for the validation tests. **A grade of "C" or higher must be achieved to receive validation credit.** Upon successful completion of a validation test, the Registrar will record the credit without additional charge to the student, but no grade will be assigned. College credit earned by validating courses successfully completed in a non-collegiate program is not counted in the 32-hour maximum noted above.

**Degrees granted** by Harding University at its main campus in Searcy are the Associate of Arts (in applied office science only), Bachelor of Arts, Bachelor of Business Administration, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Music Education, Bachelor of Science, Bachelor of

Science in Medical Technology, Bachelor of Science in Nursing, Bachelor of Social Work, Master of Education, Master of Science in Education, and Master of Science in Accounting. Cooperative programs for the Bachelor of Science in Medical Technology exist with six hospitals, located in Fort Smith, Little Rock, and Memphis, TN. At the Harding Graduate School of Religion in Memphis, Tennessee, the degrees conferred are the Master of Arts, Master of Arts in Religion, Master of Theology, and Doctor of Ministry.

Requirements for the Master of Education and the Master of Science in Education degrees are listed in the section on Graduate Studies in this catalog. A more complete description of this program is contained in the **Graduate Supplement** which may be obtained upon request from Dr. Wyatt Jones, Director of Graduate Studies.

Requirements for the Master of Science in Accounting degree are listed in the School of Business section in this catalog. A more complete description of the program can be obtained from Dr. David Burks, Dean of the School of Business.

Requirements for the graduate degrees offered at the Harding Graduate School of Religion are contained in the catalog of the Graduate School of Religion which may be had upon request from Dr. Bill Flatt, Registrar, 1000 Cherry Road, Memphis, TN 38117.

**STATUTES OF LIMITATION:** The terms of graduation outlined in the catalog under which a student enrolls at Harding may be withdrawn or superseded by later requirements if the student is not graduated within four years of the time one would normally graduate.

**A Bachelor's degree requires** the completion of at least 128 semester hours of work, at least 32 of which must be in residence at Harding University. In addition, at least 24 of the last 32 required for graduation must be completed in residence at Harding, except for students who are entering certain professional fields, as explained in a subsequent paragraph. If a student lacks not more than 8 hours of the amount required for graduation and is not on academic probation, these hours may be taken at another accredited four-year institution if prior approval is obtained from the Vice President for Academic Affairs.

At least three weeks prior to the fall and spring commencements and at least two weeks prior to the summer commencement, for a senior who is a candidate for graduation at the given commencement, all grades in independent study courses, correspondence courses, credit by examination, and exemption examinations must be reported to the Registrar for graduation to proceed as planned.

For students pursuing certain professional programs of study that are highly academic in nature, the following provisions have been approved. At least 32 of the last 40 semester hours immediately preceding entry into the approved professional school, including at least 12 upper-level hours in the area of the major, must be completed at Harding with a minimum

2.00 average. At least 96 semester hours of liberal arts and science courses must be completed prior to entry into the professional program, all other specific graduation requirements must be satisfied, and the first two years in the professional school must be successfully completed. If the professional program normally requires less than two years, the entire program must be satisfactorily completed. For some programs, passing the professional certifying examination may be required. Each student planning to apply a professional program toward satisfying degree requirements at Harding should obtain a written statement of approval from the Vice President for Academic Affairs of Harding **prior** to beginning the professional program.

Candidates for a degree must have a minimum cumulative average of 2.00 in all work attempted and also a minimum average of not less than 2.00 in all work in the major field. A minimum grade point average of 2.00 in all work taken at Harding is required, as well as a minimum grade point average of 2.00 in all work taken at Harding in the major field.

Candidates for a degree must also complete 45 hours in advanced-level courses. Courses at Harding numbered 250-499 taken by second-semester sophomores and by juniors and seniors count as advanced credit. First-semester sophomores may receive advanced credit in these courses provided they are preceded by a year of freshman credit in the same subject. Transfer credit **carrying junior-senior level status at the institution where taken** counts as advanced credit, normally 300-level courses at a senior college or university.

To insure a minimum level of competency in writing, **credit in English 249, English Proficiency**, earned during the junior or senior year, is **required for graduation**. Students who have not met one of the waivers for English 249 by the time they have completed 105 semester hours, will be required to earn credit in English 249.

English 249 will be waived, however, for a student who:

- (1) Achieves a score of 630 or higher on the General CLEP English Composition with Essay Test, or
- (2) Achieves a grade of "B" or higher in English 103 at **Harding University, or**
- (3) Achieves a grade of "C" or higher in English 281 at **Harding University, or**
- (4) Transfers with an a grade of "A" in freshman English or
- (5) Receives credit in English 103 at **Harding University** by the CLEP Subject Examination in English composition, or
- (6) Receives credit in English 103 at **Harding University** through the Advanced Placement Program, or
- (7) Passes a proficiency test in written English (JEP) **after** reaching junior standing. A student may attempt this test no more than **four** times.

Transfer students must complete at Harding at least 9 advanced level hours in their major field, **except for Bible majors**, who must complete at Harding a minimum of 10 upper-level hours in Bible.

In addition to achieving a satisfactory scholastic record the candidate for

degree must be of good moral character. A student must have faculty approval to attain senior status and to become a degree candidate. During the first semester of the senior year, a student must present to the Registrar a formal application for graduation. A student must also satisfy the Junior English Proficiency requirement, register with the Placement Office, and, for a student who completes the teacher education program, take the National Teacher Examinations before becoming a candidate for graduation. Specific requirements for each departmental major are outlined preceding the description of courses for the department. Unless otherwise stated, the degree conferred upon the completion of the curriculum of any department is the Bachelor of Arts.

**THE UNDERGRADUATE CURRICULUM** is organized by divisions into two phases: The General Education Requirements and the Major and Minor Fields of Concentration.

**The General Education Program** is vital because the complex circumstances of our times require an understanding of basic principles in the areas which affect our lives most closely. The sciences give insight into the laws of life and of the physical world and suggest how these may be related to the advancement of human welfare. Literature, philosophy, and the creative arts helped to build our present culture. History and social science present the effort of men to meet their basic social problems and point the way to better understandings. These disciplines, with a knowledge of one's own nature and relation to their Creator, should enable the students to arrive at wholesome attitudes toward the world and their responsibilities to man and to God.

The General Education requirements are designed to give all students these basic understandings, to develop certain essential and fundamental skills which all should possess, and to furnish a broad foundation to knowledge for advanced level courses. Any specific waivers or substitutions in the general education program for a given major are listed in the outline of that major in the later section of this Catalog entitled, **Courses of Instruction**.

The General Education courses are:

- I. Understanding Religious and Spiritual Values:
  - \*Bible 101, 112; two courses from Bible 211,213,234 . . . . . 8
- II. Understanding the Human and Creative Spirit:
  - A. The means of communication:
    - \*\*English 103 and ComO 101 . . . . . 6
  - B. The creative spirit:
    - Art 101, Music 101, \*\*\*English 201, 202. . . . . 10
- III. Understanding the Living World:
  - A. The world of life:\*\*\*\*Biology 111 . . . . . 3
  - B. Health and recreation:
    - \*\*\*\*\*Physical Education 101 and 2 additional hours elected from Physical Education 112, 117, 118, 119, 120, 121, 122, 124, 126, 127, 128, 214, 215, 222; Recreation 130, 131, 132, 133; and, for physical education majors and minors, and sports management majors, Physical Education 355, 356 . . . . . 4

IV. Understanding the Physical World:

- A. The language of mathematics:  
#Mathematics 101 or a more advanced course. . . . . 3
- B. The physical world:  
##Physical Science 101, 102. . . . . 4

V. Understanding the Social World:

- A. The historical scene:  
###History 101, 111 . . . . . 6
- B. The economic, political, and social scene:  
###From Economics 201, Political Science 202, Political Science 205,  
and Sociology 203. . . . . 6

VI. Understanding Human Behavior:

- ###Psychology 131. . . . . 3

\* Students who transfer to Harding as juniors or seniors may satisfy the minimum graduation requirement in Bible of 8 hours by taking upper-level textual courses that include both Old Testament and New Testament courses. The following upper-level substitutes are approved:

- For Bible 101: Bible 303, 304, 305, 307, 308, 319, or 402.
- For Bible 112: Bible 311, 312, 313, 314, 315, 316, 317, 318, 319, or 410.
- For Bible 211, 213, or 234: Two hours from Bible 311, 312, 313, 314, 315, 316, 317, 318, 319, or 410 not taken to substitute for Bible 101 or 112.

\*\* Entering freshmen who achieved a score of 17 or lower on the ACT English Test will be required to take English 102 prior to enrolling in English 103. Students planning to certify to teach or to enter most professional schools of medicine, engineering, etc., whose program requires 6 hours of English Composition, may satisfy the requirement with 102 and 103 as well as 103 and 104. Six hours of composition will be required of any student who receives a grade of "D" in English 103.

\*\*\* Majors in nursing may substitute English 251, 252, 271, or 272. Students certifying to teach English should take 251, 252, instead of 201, 202.

\*\*\*\* Biology 111 may be satisfied by Biology 151, 250.

\*\*\*\*\* Please note the following health and recreation provision.

1. All prospective teachers must take Health Education 203 in addition to P.E. 101 and 1 additional hour in physical education activity courses. Elementary education majors must also take P.E. 330.

2. Students who transfer to Harding lacking fewer than 2 hours of physical education activity will not be required to take P.E. 101.

3. Veterans who have spent a year in the armed services may be given credit for 4 hours of activity and are excused from this requirement by making application to the Registrar.

# 1. Mathematics 115 (a substitute for 101) is required of all elementary and special education majors. Except for those seeking secondary certification, students whose major does not specify Math 105, 210, etc., may satisfy this general education requirement by achieving a score of 26 or higher on the ACT Mathematics Test. Any student certifying to teach must have 3 hours of mathematics credit.

2. Students majoring in home economics, psychology, social work, and/or sociology should take Mathematics 105 to satisfy this requirement. Students majoring in business or a natural science should take Mathematics 105 if they had only one year of high school algebra.

## Phys. Sci. 102 may be satisfied by Chemistry 114 or 121 or Physics 201 or 211.

### 1. For students who transfer to Harding, 6 hours of American History and 6 hours of European history or western civilization will meet the general social science requirement for graduation.

2. Students certifying to teach must elect Political Science 205 and Sociology 203. Transfer students must be certain that they have History 101 or equivalent since 3 hours in an American History course are also required for certification.

3. Students certifying to teach in Social Science must elect Economics 201 as well as Political Science 205 and Sociology 203.

4. Majors in nursing, social work and sociology should elect Sociology 203 for one of these courses in satisfying the education requirements. Majors in nursing may substitute one course from Anthropology 205, 315, 320, 381, 401 and/or Sociology 301, 305, 345 in satisfying this requirement.

5. Foreign students, by Arkansas law, must include both History 101 and Political Science 205 in their degree plans.

\*\*\*\* Psychology 131 may be satisfied by Psychology 201. Also, in place of Psychology 131, all students preparing to teach should take Education 203, except vocational home economics majors, who will take Home Economics 322, 323.

**Major and minor fields** of concentration should be chosen no later than the beginning of the junior year. Students choose fields of concentration which normally consist of a departmental major of 30 to 42 semester hours. The maximum number of hours in a given department that can count toward satisfying the minimum 128 hours required for graduation is 12 hours more than the minimum required for the major. This major concentration must be supported by a minor which consists of at least 18 hours from another field. In a departmental major, 18 semester hours, and in a minor, 6 hours must be in upper-level courses.

A student may elect, however, a broad area major. In a broad area major the student must complete a minimum of 48 hours in the area, 24 of which must be upper-level courses. A minor is not required of those who elect a broad area major.

In the case of students who have made a choice of a vocation or profession for which there is no established departmental major or broad area major, a special area of concentration may be arranged by the Vice President for Academic Affairs and the chairmen of the departments concerned. A student who is interested in exploring the possibility of such a major should contact the Vice President for Academic Affairs.

In addition to the General Education courses and certain prescribed courses in the major and minor fields, other courses are selected by the student with the approval of the faculty advisor. The prescribed courses for each major and minor field are listed with the offerings.

If a student desires to obtain two baccalaureate degrees, for example, a Bachelor of Arts degree with one major and a Bachelor of Science degree with another major, a minimum of 160 hours must be completed — 32 hours beyond the requirement for one baccalaureate degree — and the specific requirements of each major must be satisfied.

A student desiring to obtain a double major in a department which offers two or more majors having a large common core of course requirements must complete from the area concerned a minimum of 15 hours beyond the number of required hours, in addition to completing the cataloged courses specifically listed for each major.

If a student desires a second Bachelor of Arts degree, a second Bachelor of Business Administration degree, etc., a minimum of 160 hours must be completed — 32 hours beyond the minimum requirement for the first degree — and the specific requirements of each major must be satisfied.

Two identical degrees will not be conferred at the same convocation.



Expenses . . . Financial Aid . . . Scholarships . . . Work . . . Loans . . .  
 Government Grants . . . Application for Aid



Harding University

**What will college cost?** This is a most pressing question in the mind of high school seniors and parents. Then, when the costs are known, another question: How can we afford it? This section will present educational costs in a realistic manner, together with practical methods of meeting these expenses. Harding University, a private institution without benefit of tax support, must meet its operating costs by income from the following sources: student fees, government grants, auxiliary enterprises, gifts, and endowment earnings.

The cost of attending Harding is moderate compared to that assessed by many colleges and universities of the same size and quality. Undergraduate expense estimates may be based on the following charges for the 1985-86 school year.

**GENERAL EXPENSES:** A typical boarding student taking 15 hours per semester can meet all regular expenses of tuition, fees, room, and board for \$5,266.50 for the school year. A non-boarding student can meet expenses of tuition and fees for \$3,247.50.

	Semester	Year
Tuition at \$101.50 per semester hour	\$1,522.50	\$3,045.00
Registration Fee (activities, health, etc.)	101.25	202.50
* Meals (Pattie Cobb)	587.50	1,175.00
** Room Rent	422.00	844.00

- Total Basic Cost for Typical Student \$2,633.25    \$5,266.50
- \* Board in the American Heritage Cafeteria will be \$650.00 for the normal ticket. A student may elect a ticket for \$768.75 or \$637.50.
- \*\* Rooms in Armstrong Hall, Pattie Cobb Hall, Cathcart Hall, Kendall Hall, and suite rooms in Graduate Hall will be \$422.00 per semester. Single rooms in Graduate Hall will be \$450.00.
- \*\* Rooms in air-conditioned residence halls will be \$483.00 per semester.

**ROOM AND BOARD:** Rooms in the residence halls range from \$422.00 to \$483.00 per semester.

Meals in the University cafeteria in Pattie Cobb Hall are \$587.50 for the semester. Board in the cafeteria in the American Heritage Center will be \$650.00, \$768.75, or \$637.50 for the semester depending on the ticket selected. In this cafeteria a charge will be made for each item taken, and the cost may run higher depending upon the food selected. In the event of any drastic increase in food costs, the University reserves the right to change the price of meals without prior notice.

All students who live in Harding University dormitories are required to eat in one of the cafeterias. Dormitory students who have a doctor's statement that they are on a special diet will still be required to eat in one of the cafeterias, but the cafeteria will furnish the diet prescribed by the doctor at the regular cafeteria price. Meal tickets are non-transferable in both Pattie Cobb and American Heritage Cafeterias.

Married students may rent modern, completely furnished apartments on campus for \$150.00 (one bedroom) and \$160.00 (two bedroom) per month, plus utilities in the East Married Student Apartments. The West Married Student Apartments rent for \$175.00 (one bedroom) and \$195.00 (two bedroom) per month, plus utilities. House trailer locations are also

available for a monthly rental fee of \$38.50. Utility bills are paid by the occupant of the trailer.

A reservation fee of \$25.00 is required to reserve a room or trailer space. A reservation fee of \$50.00 is required to reserve an apartment. These fees are refundable if the reservation is canceled 30 days prior to occupancy date.

**GRADUATE SCHOOL EXPENSES:** For a summary of the tuition and fees for graduate students working toward the degrees of Master of Education and Master of Science in Education, see the Graduate Catalog. The same facilities for room and board are available for graduate students as for undergraduates at the same rate. Expenses for graduate students in Bible and religion can be found in the Bulletin of the Harding Graduate School of Religion, 1000 Cherry Road, Memphis, TN 38117.

**REGULAR TUITION AND FEES:** Regular tuition is \$101.50 per semester hour. The registration fee is \$101.25 per semester. This fee covers such things as matriculation, library, infirmary, year-book (one-half the price per semester), student newspaper, yearbook portrait, lyceum series, and athletic events.

**SPECIAL TUITION AND FEES:** Private instruction in piano, voice, band instruments, orchestral instruments, and speech require, in addition to the semester hour tuition charge, a special fee as follows:

	Semester	Year
Two private lessons per week	\$175.00	\$350.00
One private lesson per week	100.00	200.00
Music 211, 212 instrument rental	18.00	
Piano rental, each hour	18.00	
Voice 100 (includes practice fee)	92.00	

The fee scales for clinical services provided by the Speech and Hearing Clinic are as follows:

Sixty minute session, once a week		\$ 9.50
Thirty minute session, twice a week		9.50
Thirty minute session, three times a week		14.25
Forty-five minute session, twice a week		14.25
Speech and Language evaluation (articulation, language, etc.)		18.50
Language evaluation (I.T.P.A., Aphasia, or P.I.A.T., etc.)		23.00
Hearing Evaluation	Charge based on individual service	
<b>OTHER SPECIAL FEES:</b>		
ACT Residual Test fee	\$ 9.00	
Advanced Placement Credit (per course)	10.00	
Air-conditioner in room (student's own A-C)	70.00	per sem.
	(75.00 for summer)	
Art 205, 260 fees	6.50	each
Art 211 fee	12.50	
Art 235, 255, 335, 355 fees	42.00	each
Art 312, 375, 575 fees	5.50	each
Art 340, 345, 400, 401 fees	36.50	each
Art 365	45.00	
Art 475, 675 fees	Appropriate above listed fee applies	
Automobile registration fee	15.00	
Bible 164 fee	100.00	
Biol. 152, 252, 308, 311, 313, 343, 347, 352, 416, 508, 516, 543, 547, 552 fees	10.00	each

Biol. 421, 521 fees	30.00	each
Breakage deposits in chemistry and physics each course (returnable less breakage)	30.00	
Bus. 101, 102 fees	6.00	each
Bus. 105, 106, 107, 117 fees	14.50	each
Bus. 219, 253 fees	31.50	each
Change of class fee, each change	5.00	
Chem. 261, 262, 411, 412, 511, 512 computer fee	17.50	each
CLEP credit (per course)	10.00	
CLEP (each examination)	30.00	
ComD 400, 500	11.00	each
ComD 420	50.00	
ComM 204,220,305 fees	21.00	each
CIS 214, 220, 221, 272, 329, 421 fees	35.00	each
C. Sc. 261	9.00	
C. Sc. 211, 215, 218, 268, 325, 327, 328, 335, 435 fees	35.00	each
C. Sc. 315, 316, 515, 516	10.50	each
C. Sc. 350, 550 fees	40.00	each
C. Sc. 450, 650 fees	To be determined by Department Chairman	
Deferred payment fee	7.00	
Driver instruction, no credit, affiliated with Health Educ. 312/512 in spring	86.50	
Education 204 fee	10.50	
Education 320, 400, 403, 419-430, 500 fees	11.50	each
Education 381, 481 fees	25.00	each
Education 383, 441, 451, 461, 475 fees	50.00	each
Graduation fee (required of all graduates whether attending graduation exercise or not)	40.00	
Graduation fee (for second undergraduate degree)	40.00	
Harding University in Florence, Italy (Subject to change with international air tariff and value of dollar)	4,930.00	
Health Education 311, 312, 511, 512 fees	11.50	each
History 251 fee	25.00	
Key deposit	5.00	
Late Registration		
On Thursday and Friday after cataloged date	17.50	
On the following Monday, Tuesday, or Wednesday	29.00	
After Wednesday of second week	35.00	
Make-up final examination—each	5.00	
Management 430 fee	9.00	
Marketing 400	9.00	
Mathematics 101 fee	9.00	
Music 211, 212 (Instrument rental)	18.00	each
National Teacher Examination	83.00	
Nursing Department fees (special)	See School of Nursing course listing	
Nursing 202, 305, 405, 415 fees	36.00	each
Nursing 203, 304, 314, 324, 334, 404, 414, 424, 434, 444 fees	52.00	each
Nursing 401 test fee	26.00	
Nursing 411 fee	21.00	
Nursing 421 fee (subject to change)	152.00	
Nursing malpractice insurance	Included in practicum fees	
Permit for credit by examination — plus regular tuition if credit earned	10.00	per course
Permit for exemption tests	10.00	per course
Permit for validation tests	10.00	per course
Physical Education 214 fee	3.00	
Physical Education 120, 330, 356, 530 fees	4.00	each
Physical Education 124 fee	17.00	
Physical Education 355 fee	7.50	
Physical Education 302, 502 fees	5.00	each
Placement Office credentials for alumni	3.00	each set
Pol. Sc. 255	35.00	
P. O. Box Rent	10.00	
Psychology 315, 325, 375, 400, 412, 500, 512, 525 fees	11.50	each

Recreation 130 fee		8.50	
Recreation 133 fee	Varies with activity	16.00	
Recreation 265 fee		2.00	
Trailer connection fee		2.00	extra
Transcript of academic record		1.00	
Rush order of transcript		50.75	per sem hr
Transcript of National Test Scores (after first copy)			
Tuition for auditing class			

**PART-TIME STUDENTS:** For the fall and spring semesters, students who wish to enroll for a specific course or for a number of courses up to and including 11 hours per semester may enroll as part-time students and pay only \$109.00 per semester hour rather than the regular tuition and registration fee.

A student registering as part-time will not be entitled to any of the benefits as listed under the Registration Fee such as lyceum ticket, yearbook, college paper, athletic ticket or health services.

**DEFERRED PAYMENTS:** A charge of \$7.00 each semester is made for those students who wish to pay their bills by installment.

A payment of \$850.00 each semester must be made by all boarding students and \$700.00 by all non-boarding students at time of registration. The balance of the account may be sent home for payment or may be paid in three monthly installments as follows:

First Semester: September 20	Second Semester: February 5
October 20	March 5
November 20	April 5

A 9% per annum service charge will be added to past due accounts.

**Books and supplies must be paid for at time of purchase.**

**REFUNDS:** Since the operating costs of a university must be based upon an estimated enrollment, all students are granted admission with the understanding that they are to remain at least one semester.

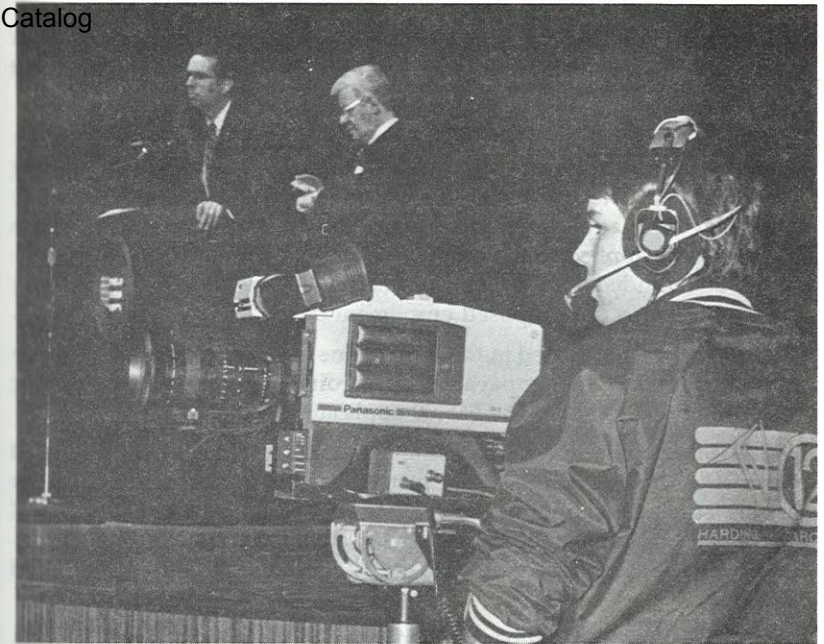
**After a student registers, there will be no refund of the registration fee.**

When a student officially withdraws, refund of tuition (hours charged only) will be governed by the following policy calculated from the catalogued date for enrollment:

Within first week	90 per cent refund of tuition
Within second week	80 per cent refund of tuition
Within third week	60 per cent refund of tuition
Within fourth week	40 per cent refund of tuition
Within fifth week	20 per cent refund of tuition
After fifth week	No refund of tuition

Students leaving the dormitory by permission of the administration will be refunded rent for the unused time except that any part of a four week period started will be counted as a full period.

Cost of meals will be refunded for the unused portion of the semester when removal from the dining hall has full sanction of the President and



the Vice President for Finance, and the meal tickets are returned to the Business Office. Refunds of part of a week will be based on cost of individual meals. No refund can be made for meals missed while the student is enrolled. The official check-out date from the dormitory is the determining factor for meal ticket refunds. Refunds cannot be made for meals missed due to late enrollment. No refund is made of registration or special fees. Students dropping private music will be charged a fee of \$10.00 for the first lesson plus a prorated amount for the remainder of the lessons taken. Scholarships will be charged back at the same rate tuition is refunded. If the withdrawal results from the student's misconduct, the institution is under no obligation to make any refunds.

**BREAKAGE REFUND:** Students withdrawing prior to the close of a semester or at the end of the first semester will make application for breakage refund at the Business Office. If the application is not completed within thirty days after withdrawal, the deposit will be forfeited. Accounts must be cleared for a cash refund.

**GENERAL POLICIES:** No diploma, certificate, transcript, semester grade report, or a letter of recommendation will be granted to students who have failed to take care of any indebtedness to the University. Transcripts to other schools cannot be released until all accounts are paid in full. (Exception is made for government loans if they are not past due.)

At the discretion of the administration of Harding, students may be suspended for non-payment of their indebtedness. Students who have not cleared all financial obligations to the University will not receive grades or credits.

All compensation due students employed by Harding can be received if the student's account is up-to-date according to the published payment plan.

**REQUIRED FEES:** There are two fees which should be sent with the Application for Admission—a \$15.00 application fee and a \$25.00 housing reservation fee. The application fee is non-refundable and is designed to cover the cost of application processing. The housing reservation fee is a deposit and is applied to the student's account. The housing reservation fee will be refunded if the housing reservation is canceled more than thirty (30) days prior to the proposed enrollment date.

The fees may be forwarded in the form of one check or money order in the amount of \$40.00 made payable to Harding University. Commuting students should file only the \$15.00 application fee.

**THE SUMMER SESSION:** The summer session at Harding is an integral part of the total program of the institution. By means of the summer session students can either accelerate or broaden their educational programs. Summer students have the advantage at Harding of air-conditioned classrooms, residence halls, library, student center, and cafeteria.

The regular summer session is divided into two 5-week terms of 5 days per week. A student may carry a maximum of 14 hours for the regular summer session - not more than 7 hours either term. An additional 4 hours may be earned during the intersession that precedes the regular summer session. Expenses based on 6 hours each term are as follows:

FOR 1986 SUMMER SESSION		
	For 5 Weeks	For 10 Weeks
Tuition (\$101.50 per semester hour)	\$609.00	\$1,218.00
Registration fee	28.00	56.00
Rooms (double occupancy)	145.50	291.00
(single occupancy)	173.75	347.50
Board	203.25	406.50
<b>TOTAL (for double occupancy)</b>	<b>\$985.75</b>	<b>\$1,971.50</b>

Reservations and requests for information for the summer session should be directed to the Director of Admissions. See the summer school bulletin for the financial policy for the summer session.

Harding will also offer a limited number of courses in a 2 1/2-week intersession, May 12-28, 1986, between the spring semester commencement and the beginning of the summer session. If interested, write Dr. Larry Long, Director of the Summer Session, Harding University, Box 898, Searcy, AR 72143, for a copy of the **Summer School Bulletin**.

Harding is planning to have summer programs in Florence, Italy. If interested, write Dr. Don Shackelford, Harding University, Box 754, Searcy, AR 72143.

**Financial Aid** is available to Harding students from at least four sources: scholarships, student work, loans and government grants. No

student who has the ability and desire to attend should be deprived of a Christian education at Harding because of financial hindrances. To qualify for certain financial assistance, a student must be enrolled for at least 12 hours each semester. Before enrolling for fewer than 12 hours, students receiving financial assistance should check with the Financial Aid Office to find out the effect it will have on their plans for financial assistance.

**Scholarships** of various types are available to students. A student with an exceptional academic background can earn as much as \$4,200 in scholarships over four years at Harding.

Type of Aid	Score of 30 & Above	Score of 28-29	Score of 25-27	Score of 20-24	Below 20
Harding Scholarships (Based on ACT)	\$600	\$500	\$400	\$250*	
Valedictorian or Salutatorian	250	250	250	250	\$250
National Merit	200	200	200		
Maximum per year total	\$1,050	\$950	\$850	\$500	\$250

\*Applicants must be approved for leadership.

**ACADEMIC:** An entering freshman who achieves a composite score of 30 or above on the ACT examination is eligible for a \$2,400 scholarship, provided the four-year high school transcript shows average or higher grades in solid subjects. An ACT composite score of 28 to 29 qualifies a student for a \$2,000 scholarship and an ACT composite score of 25 to 27 qualifies a student for a \$1,600 scholarship. The \$2,400, \$2,000 and \$1,600 grants are prorated over four years or eight semesters of college work. They also may be applied to summer school work on a prorated basis.



Students must be enrolled full-time each semester that they receive an academic scholarship stipend.

Students should request that a copy of their ACT or National Merit Test report card be sent to the Director of Admissions. The official test report card is required. A photostatic copy of the scores is not acceptable.

To retain academic scholarships, recipients must maintain a 2.75 grade point level their freshman year and a 3.00 level their remaining three years. **CLEP credit will count toward determining the classification. For those beginning freshmen who decide to take the CLEP test and who receive credit for 15 or more hours, the required grade point average at the end of the first year will be 3.00, the sophomore requirement, instead of the 2.75 for freshmen.**

**LEADERSHIP:** High school seniors who have an ACT composite score of 20 to 24, a grade point average of 2.50 or higher, the recommendation of their high school counselor or principal, and who have evidenced leadership in student government, school club work, music, athletics, church activities, etc., may qualify for a leadership scholarship of \$1,000 prorated over four years or eight semesters of college work. To retain the scholarship, they must be enrolled full-time each semester and maintain a 2.50 grade average annually.

Valedictorians and salutatorians of their high schools qualify for a \$1,000 scholarship prorated over four years or eight semesters of college work.

National Merit finalists and semi-finalists with an ACT composite of 25 or higher are eligible for an \$800 scholarship prorated over four years or eight semesters of college work.

**TRANSFER STUDENTS** may qualify for an academic scholarship of \$200 to \$250 per semester. A college grade point average of 3.20 is required for the \$200 scholarship. The \$250 scholarship requires a grade point average of 3.80.

**TRUSTEE SCHOLAR AWARDS:** Fifteen scholarships are available. Five full-tuition, five half-tuition, and five third-tuition scholarships will be awarded. To qualify for these, the students must have a 30 or higher ACT composite score, have a 3.5 high school grade point average, and be a member of the Church of Christ. They must be full-time dormitory students and be new Harding students with less than 14 transferable college hours. Recipients of these awards are ineligible for other academically related scholarship aid from Harding.

**DEPARTMENTAL:** A few scholarships are given in speech and debate, vocal and instrumental music, home economics, and art. Those interested should write the appropriate department chairman for information.

**ATHLETIC:** Grants-in-aid are available only in men's football and basketball, and women's basketball and volleyball, according to rules of the Arkansas Intercollegiate Conference. The maximum grant-in-aid covers room, board, tuition, and registration fees. Interested students should write the head coach of each sport for information.

**Work** on campus is a source of aid to Harding students, some of whom work up to 20 hours a week and earn more than \$1,000 per semester. Many, of course, work fewer hours per week and earn less accordingly.

There are two work programs: The College Work-Study Program, which is funded by the government, and the Harding Program. To qualify for either program, students must complete the ACT Family Financial Statement and the Arkansas Student Data Form.

**Loans** available to students:

**NATIONAL DIRECT STUDENT LOAN:** Students enrolled for at least half-time college work and who can show a financial need may be able to borrow through the National Direct Student Loan Program.

Repayment begins six months after the student leaves school and continues for no more than ten years at an interest rate of 5 per cent per year.

**GUARANTEED STUDENT LOAN:** The Guaranteed Student Loan Program makes loans available to any student who shows a need to borrow. The loan is made through a student's hometown bank or other private lending agency.

Students may borrow through this program at an interest rate of 8 per cent. Repayment need not begin until a student graduates or ceases taking at least a half-time load of study. The government pays the interest while the student is in school. Some states have deadline dates for loan applications. This loan is available to both graduate and undergraduate students. If local lending institutions are unwilling to make student loans, other sources are available. Contact the Financial Aid Office for information.

**NURSING STUDENT LOAN:** This loan program is to assist students to pursue a course of study leading to a degree in nursing. For further information contact the Financial Aid Office.

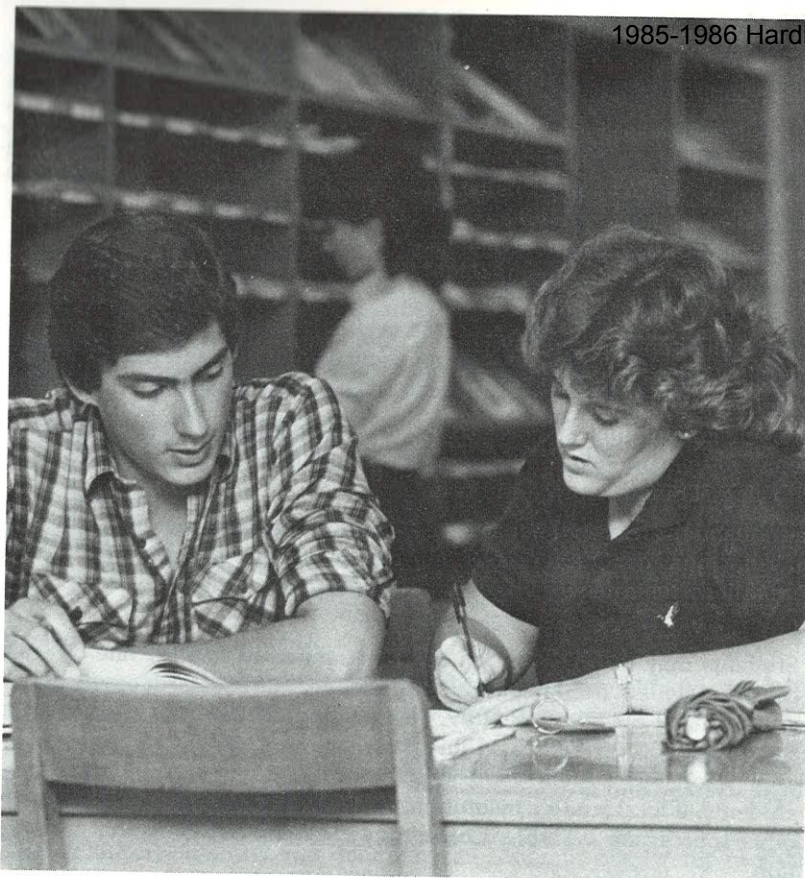
**(Please refer to Directory listing in the back of this catalog for scholarship and student loan information).**

**Government** grants are available to many students who demonstrate need.

**SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS:** Grants are available to undergraduate students with exceptional needs.

**PELL GRANTS:** All undergraduate students are eligible to apply for a Pell Grant. Application should be made using the ACT Family Financial Statement which can be obtained from the Financial Aid Office or from high school counselors.

**STATE GRANTS:** Residents of Arkansas, Pennsylvania, Vermont and Rhode Island may apply for a grant from their respective states.



**EXPENSES FOR VETERANS:** Those who have served more than 180 days in the armed forces since 1955 are eligible for an education allowance under the Veterans' Readjustment Benefits Acts of 1966. A veteran must be certified for eligibility by his local VA office, and must contact the appropriate representative in the Financial Aid Office at Harding. Veterans of the post Viet Nam period must have made contributions into the educational program (VEAP) in order to receive benefits.

**Disabled:** Those entering under Public Law 16 for disabled veterans should apply to their state Veterans Administration headquarters for counseling and approval, and then contact the Financial Aid Office.

**VOCATIONAL REHABILITATION:** Students who are permanently disabled may receive, at no cost to themselves, vocational counseling and financial assistance toward the cost of their college education provided the vocational objective of the disabled person is approved by a rehabilitation counselor. The student should apply directly to the vocational rehabilitation counseling service of the Department of Education in his own state and should at the same time notify the Financial Aid Office at Harding so assistance may be given if necessary.

**Application for aid** should be made as follows:

1. Apply for admission. Application forms are available from the Director of Admissions.
2. Request application forms for aid from the Financial Aid Office.
3. Complete the ACT Family Financial Statement Form.

**Satisfactory Academic Progress:** Students receiving Title IV Financial Aid must be making satisfactory academic progress toward a certificate or degree.

**UNDERGRADUATE DEGREE:** A minimum of 128 semester hours and cumulative grade point average of 2.00 are required for graduation. A full-time student must complete his degree within six years. A part-time student's maximum time will be based on a ratio of his part-time hours compared to full-time.

**GRADE POINT AVERAGE:** A student must maintain a grade point average according to the policy of Harding on scholarship levels, described in the academic section of this catalog.

**ANNUAL ACADEMIC REQUIREMENTS FOR A FULL-TIME STUDENT:** Fall, spring and summer shall constitute one academic year. The minimum number of semester hours to be successfully completed by the end of each academic year are as follows:

Academic years completed	1	2	3	4	5	6
Numbers of semester hours successfully completed	18	36	58	80	104	128

**ACADEMIC PROBATION AND SUSPENSION OF AID:** Failure to achieve the required grade point average will result in a student being placed on academic probation. If the probationary status is not removed that semester, the student will be placed on strict academic probation. If the student fails to remove the probationary status the second semester, aid will be suspended.

Failure to complete the required number of hours for an academic year will also result in aid being suspended.

**REINSTATEMENT OF AID:** When students have achieved the grade point average for their classification and have successfully completed the number of hours for their academic year, they may receive aid for the next semester in which they enroll.

**GRADUATE AND HSBS STUDENTS:** Students in a graduate program or in the Harding School of Biblical Studies must comply with the academic progress policies as stated in their respective catalogs.

**APPEALS:** Students with mitigating circumstances may appeal. The appeal must be in writing and will be reviewed by the Financial Aid Committee.

# Courses of Instruction

1985-1986 Harding University Catalogs of instruction are listed on the following pages. All courses

**COLLEGE OF ARTS AND SCIENCES:** Art . . . Bible, Religion, and Philosophy . . . Biological Science . . . Communication . . . Cooperative Education . . . English Language and Literature . . . Foreign Languages and International Studies . . . General Science . . . Harding University in Florence (Italy) Program . . . History and Social Science . . . Home Economics . . . Mathematics and Computer Science . . . Medical Technology . . . Music . . . Physical Education, Health, and Recreation . . . Physical Science . . . Psychology . . . Sociology and Social Work . . . **School of Business . . . School of Education . . . School of Nursing**



Harding University

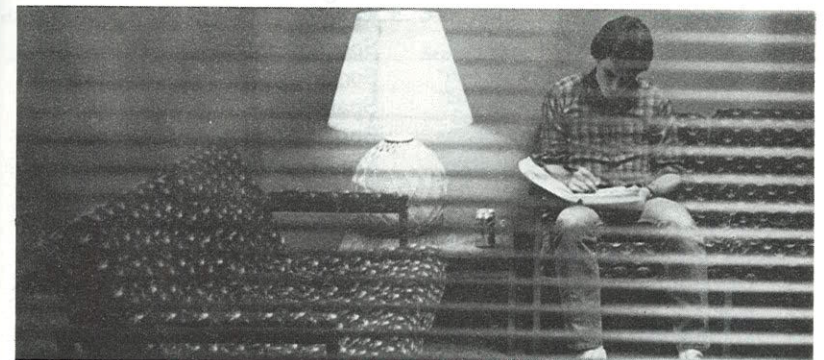
will be offered as catalogued if enrollments justify. Courses offered "on demand" or "on sufficient demand" are also indicated. Some courses are offered on alternate years and students should take this into consideration in planning their schedules, especially for the junior and senior years.

Year courses which must be taken in sequence, the first being a prerequisite to the second, are designated by joining the course numbers for the two successive semesters by a hyphen, such as Chemistry 121-122. Year courses which need not be taken in sequence are designated by separating the course numbers by a comma, such as English 201, 202.

Courses numbered 100-199 are for freshmen; 200-299 for sophomores; 300-399 for juniors; and 400-499 for seniors. Courses numbered 250-299 taken by second semester sophomores, juniors and seniors count as upper level credit. First-semester sophomores may receive upper level credit in these courses provided they are preceded by a year of freshman credit in the same subject

**Courses numbered 300 or above are not open to freshmen.** Courses numbered 300-399 are primarily for juniors and seniors; but in a few situations sophomores may enroll in these courses with the consent of the instructor and the department chairman. **Courses numbered 400-499 are open only to juniors and seniors;** courses numbered 450-499 are open only to seniors. Courses numbered 500-599 may be taken for graduate credit by students who are qualified to take graduate courses but they have undergraduate numbers also. Credit in a course at the undergraduate level normally voids the course at the graduate level EXCEPT for "Independent Study" courses at the 600 level. Courses numbered 600 and above are open only to graduate students and require at least 12 hours in the field as a prerequisite. Although students who are within nine hours of the baccalaureate degree may enroll for 500 and/or 600 courses if approved in advance by the Director of Graduate Studies, **credit in 500 and 600 courses cannot be applied toward meeting the baccalaureate degree requirements.**

The semester hours of credit which a course carries is shown in parentheses following the title of the course.



# COLLEGE OF ARTS AND SCIENCES

1985-1986 Harding University Catalog

DEAN: Dean B. Priest, Ph.D.

## COURSES OF INSTRUCTION

	Page
Art .....	76
Bible, Religion, and Philosophy .....	79
Biological Science .....	90
Communication .....	93
Cooperative Education .....	100
English Language and Literature .....	101
Foreign Languages and International Studies .....	104
General Science .....	109
Harding University in Florence Program .....	109
History and Social Science .....	110
Home Economics .....	115
Mathematics and Computer Science .....	119
Medical Technology .....	123
Music .....	124
Physical Education, Health, and Recreation .....	129
Physical Science .....	134
Psychology .....	138
Sociology and Social Work .....	140

## MAJORS AVAILABLE IN THE COLLEGE

### BACHELOR OF ARTS:

Applied Sociology	International Studies
Art	Mathematics
Bible and Religion	Mathematics Education
Biblical Languages	Ministry
Biology	Missions
Communication (Oral, Theater, Theater Manage- ment, and Communication Disorders)	Music
Communication, Mass (Advertising, Print Journalism, Public Relations, and Radio- Television)	Physical Education
English	Political Science
French	Psychology
General Science	Religious Education
History	Religious Music
Home Economics (General, Child Development, Interior Design, Fashion Merchandising, and Food Merchandising)	Social Science
	Sociology
	Spanish
	Sports Management
	Youth Ministry

### BACHELOR OF FINE ARTS:

Advertising Art Painting

Ceramics

### BACHELOR OF MUSIC:

Piano

Voice

Strings

### BACHELOR OF MUSIC EDUCATION:

Instrumental

Vocal/Choral

### BACHELOR OF SCIENCE IN MEDICAL TECHNOLOGY:

Medical Technology

### BACHELOR OF SOCIAL WORK:

Social Work

### BACHELOR OF SCIENCE:

American Studies

Home Economics (Vocational)

Art

Home Economics (Dietetics

Bible and Religion

and Food Service Manage-  
ment)

Biochemistry

Mathematics

Biology

Physics

Chemistry

Public Administration

Computer Science

General Science

## PROGRAMS FOR COLLEGE OF ARTS AND SCIENCES

### GENERAL EDUCATION PROGRAM

Students who have not decided upon a profession or a purpose toward which to direct their education will find it advantageous to complete as rapidly as possible the prescribed work in General Education. Advisors will help to outline study programs to fit individual needs, but the following is a suggested schedule for the freshman and sophomore years.

In all of the schedules that follow P.E. activity courses must include P.E. 101 with two additional courses (one for those certifying to teach) elected from P.E. 112, 117, 118, 119, 120, 121, 122, 124, 126, 127, 128, 214, 215, 222; Rec. 130, 131, 132, 133; and, for physical education majors and minors, and sports management majors, P.E. 355, 356.

First Year	Semester Hours	Second Year	Semester Hours
*Art 101 .....	2	*Biology .....	3
*English 103 (or 102-103) .....	3	*Econ.201; Pol.Sci. 202,205; Soc. 203 (any two) .....	6
*History 101, 111 .....	6	*English 201, 202 .....	6
*Math 101 or elective .....	3	*Math 101 or elective .....	3
*Music 101 .....	2	*P.E. activity .....	2
*P.E. 101 .....	2	*Phy.Sci. 101, 102 .....	4
*Psychology 131 .....	3	Electives .....	6
*Com O 101 .....	3	*From Bible 211, 213, 234 .....	4
*Bible 101, 112 .....	4		
	28		34

\* These courses should be completed as listed in the freshman or sophomore years. Elementary and special education majors must take Mathematics 115; however, business,



home economics, nursing, psychology, and science majors should take Mathematics 105, 151, or a higher level course. A student who can demonstrate proficiency in mathematics should choose an elective instead. Many freshmen waive Mathematics 101 by achieving a score of 26 or higher on the ACT Mathematics Test; however, any student who certifies to teach must have 3 hours credit in mathematics and specific mathematics courses are required in many majors.

Further explanations: For students planning to major in specific fields or pursuing certain preprofessional courses, the above program must be changed to meet the requirements of the chosen major or profession. The following pages outline a number of preprofessional curricula. Those involving business, dietetics, mathematics, the natural sciences, nursing, psychology, and vocational home economics assume that the student has adequate high school preparation in mathematics—at least a year and a half of algebra and a year of plane geometry. A student who is deficient in this preparation will need to take Mathematics 105 before taking 151 or 152. A student who has a good background in high school mathematics should take Mathematics 171 or 201 (Mathematics 210 for those in business) in lieu of 151, 152. Changes may be made in these programs by academic advisors, but changes in the junior and senior years should be made **only** after a careful check has been made of the degree program for remaining semesters.

For specific requirements students seeking a professional degree are advised to consult with their preprofessional advisor the most recent catalog of the professional school which they wish to attend. See the index for a listing of preprofessional advisors and for the various preprofessional programs which are available.

## ART

### EDUCATION EMPHASIS - (K-12)

First Year		Second Year	
Art 101	2	Art 200, 205	6
Art 103, 104, 105	6	Art 211, 260	6
Bible 101, 112	4	From Bible 211, 213, 234	4
From English 102-103-104	6	Education 203	3
History 101, 111	6	English 201, 202	6
P.E. 101	2	P.E. activity	1
Com O 101	3	Mathematics 101	3
	29	Phy.Sci. 101, 102	4
			30

The program for the third and fourth years will be outlined by the chairman of the department.

### INTERIOR DESIGN EMPHASIS

First Year		Second Year	
Art 103, 104	6	Art 200, 205	6
Art 105	3	Art 260	3
Bible 101, 112	4	Art 249, 250	6
English 103	3	From Bible 211, 213, 234	4
History 101, 111	6	English 201, 202	6
Mathematics 101	3	P.E. activity	2
P.E. 101	2	Phy.Sci. 101, 102	4
Psychology 131	3	Com O 101	3
	30		34

The program for the third and fourth years will be outlined by the chairman of the department.

For students certifying to teach art, Art 211 and Education 420 and 461 must be included in the program.

## BIBLE

The following program is suggested for the freshman year for all Bible majors.

Art 101	2	*If the student is exempt from English 102 and achieves a grade of "C" or higher in English 103, English 104 is not required although it is recommended.
Bible 101, 112	4	**Students with low scores on the ACT English Usage Test are advised to defer Greek 171-172 to the sophomore year and to take both Hist. 101 and 111 and Math 101 in the freshman year. Majors in Missions may elect a modern foreign language in place of Greek.
*English 103 and Com O 101	6	
**Greek 171-172	8	
History 101 or 111	3	
Music 101	2	
P.E. 101	2	
Psychology 131	3	
	30	

The following programs are outlined for the last three years.

### A. For the Bachelor of Science degree in Bible:

Second Year		Third Year	
Biology 111	3	Bible 280	2
Mathematics 101	3	Bible 341	2
Phy. Sci. 101, 102	4	Bible 351, 352	4
English 201, 202	6	Bible 410, Textual elective	7
History 101 or 111	3	Historical elective	3
Bible 220	3	Preaching elective	3
Bible 260	1	Ministry or Religious Educ. electives	6
Textual elective	3	Pol.Sci. 202 or 205;	
Pol.Sci. 202 or 205;		Econ. 201; or Soc. 203	3
Econ.201; or Soc.203	3	P.E. activity	2
Elective	3		
	32		32

Fourth Year	
Bible 402	3
Hist-Doct. electives	5
Preaching electives	4
Ministry or Religious Educ. electives	6
Textual electives	3
History 430	3
Bible 325	3
Non-Bible electives	3
*Elective	4
	34

\*One hour of field work—Bible 327 or 337, or Missions 387—is required.

B. For the Bachelor of Arts degree in Bible:

1985-1986 Harding University Catalog

Second Year		Third Year	
Biology 111	3	Bible 280	2
Mathematics 101	3	Textual electives	7
Phy. Sci. 101, 102	4	Bible 325	3
English 201, 202	6	Pol. Sci. 202 or 205;	
History 101 or 111	3	Econ. 201; or Soc. 203	3
Bible 220, Bible 260,		P.E. activity	2
Textual elective	7	Minor and electives*	16
Pol. Sci. 202 or 205;			
Econ. 201; or Soc. 203	3		
Elective	3		
	<hr/>		<hr/>
	32		33
<b>Fourth Year</b>			
Textual electives	3		
Ministry or Religious Educ.	6		
Hist. electives	3		
Bible 352 and elective	6		
Minor and electives*	15		
	<hr/>		
	33		

\*A maximum of 12 hours may be elected in Bible courses if the minimum 128 hours for graduation are completed. One hour of field work—Bible 327 or 337, or Missions 387—is required.

C. For the Bachelor of Arts degree in Missions:

Second Year		Third Year	
Bible 220, 260	4	Bible 325	3
Missions electives	3	Textual electives	8
Biology 111	3	Ministry or Religious Educ.	
Mathematics 101	3	electives	6
Phy. Sci. 101, 102	4	Hist.-Doct. electives	3
English 201, 202	6	Bible 280, Missions electives	6
History 101 or 111	3	P.E. activity	2
Pol. Sci. 202 or 205;		Philosophy 251	3
Econ. 201; or Soc. 203	3	Pol. Sci. 202 or 205;	
Elective	3	Econ. 201; or Soc. 203	3
	<hr/>		<hr/>
	32		34
<b>Fourth Year</b>			
Anthropology elective	3		
Textual electives	7		
Hist.-Doct. electives	6		
*Missions electives	6		
Non-Bible electives	10		
	<hr/>		
	32		

\*One hour of field work—Bible 327 or 337, or Missions 387—is required.

**CHEMISTRY**

BIOCHEMISTRY (B.S.): The following program is outlined for a major in biochemistry, plus premedicine courses. For a B.S. in biochemistry only, Biology 251 and 263 and the MCAT may be omitted.

First Year		Second Year	
Biol. 151, P.E. 101	4 2	Biol. 251, 263	4 4
Chem. 121, 122	4 4	Chem. 301, 302	4 4
Eng. 103, Psy. 131	3 3	Eng. 201, 202	3 3
Math 171, 201	5 5	Math 251, Hist. 101	5 3
Phy. Sci. 101	2 2	P.E. activity	1 1
Bible 112, 101	2 2	From Bible 211, 213, 234	2 2
	<hr/>		<hr/>
	18 18		18 17

Third Year		Fourth Year	
Chem. 261, 262	4 4	Chem. 326, 327, 310	4 1
Chem. 324, 325	4 4	Chem. 411, 412	4 4
Physics 211, 212	4 4	German 105, 106	3 3
Art 101	2 2	Hist. 111	3 3
C.Sc. 211, Econ. 201	3 3	Music 101, Biol. 420	2 3
Com O 101, P.E. activity	3 1	Pol. Sci. 202, 205 or	
Bible	2 2	Soc. 203	3 3
Take MCAT	x	Bible, Phy. Sci. 410	2 2
	<hr/>		<hr/>
	18 18		18 16

**COMMUNICATION DISORDERS (B.A.)** (Rebecca Weaver, M.C.D.—Advisor)

The following program is designed to meet Arkansas certification requirements for speech therapy and to prepare one for graduate study in speech pathology. The student must gain admission to the teacher education program before taking the upper-level education courses and to the supervised teaching semester before taking the "block" courses. The following suggested schedule should be used only as a rough outline and not as a specific guide.

First Year		Second Year	
Biol. 151, Math. 101	4 3	Biol. 275, H.Ed. 203	4 3
From Eng. 102, 103, 104	3 3	Eng. 201, 202	3 3
Hist. 101, 111	3 3	Music 101 or Art 101	2 2
P.E. 101	2 2	P.E. activity	1 1
Com O 101, 211	3 3	Phy. Sci. 102, 101	2 2
Bible 112, 101	2 2	Com D 250, 300	3 1
	<hr/>	Com D 252, Educ. 203	2 3
	15 16	From Bible 211, 213, 234	2 2
			<hr/>
			17 16

Third Year		Fourth Year	
Art 101 or Music 101;		Educ. 407	3 3
Pol. Sci. 205	2 3	Com D 401, 400	3 3
Educ. 307, 303 or 409 or 414	3 3	Com D 260, 403	3 3
Com D 402, 256	3 3	Com D 300, 404	1 3
Com D 255, Educ. 336	3 3	Electives, Com D 420	6 6
Com O 405, Soc. 203	3 3	Bible	2 2
Com D 300	1 1		<hr/>
Bible	2 2		18 15
	<hr/>		
	17 18		

**COMPUTER SCIENCE**

The following program is outlined for Computer Science majors.

First Year		Second Year		Third Year		Fourth Year	
F.	Sp.	F.	Sp.	F.	Sp.	F.	Sp.
C.Sc. 211, 215	3 3	C.Sc. 218, 268	3 3	C.Sc. 325, 335	3 3	C.Sc. 425, 435	3 3
Math. 171, 201	5 5	CIS 220, C.Sc. 261	3 3	C.Sc. 328, 327	3 3	P.E. activity; Hist. 111	1 3
Eng. 103, Com O 101	3 3	Math. 251, 301 or Eng. 202	5 3	Math. 318, Mgt. 368	3 3	*Acct. 205 or Phy. Sci. 102	3 2
Art 101, Music 101	2 2	Eng. 201	3	Physics, Acct., or other	3 3	From Econ. 201, Soc. 203,	
P.E. 101, Phy. Sci. 101	2 2	Hist. 101, Psy. 131	6	Math 313 or Eng. 202;		Pol. Sci. 202, 205	3 3
Bible 101, 112	2 2	P.E. activity	1	Biol. 111	3 3	Bible	2 2
	17 17	From Bible 211, 213, 234	2 2	Bible	2 2	Electives	4 3
			17 17		17 17		16 16

\*If Physics is not elected.

**HOME ECONOMICS**

CHILD DEVELOPMENT (B.A.): The following program is outlined for those who desire to enter the field of child development.

First Year		Second Year		Third Year		Fourth Year	
F.	Sp.	F.	Sp.	F.	Sp.	F.	Sp.
Art 101, Music 116	2 3	Bible 211, 213, 234	2 2	Bible 331 or Bible elect	2 2	Bible 331 or Bible elect	2 2
Eng. 103, P.E. 101	3 2	H.Ec. 101, 202, or 203	3	H.Ec. 331, Educ. 411	3 3	H.Ec. 405, 406 or 407, elect	3 3
Bible 112, 101	2 2	H.Ec. 251, Art 211	3 3	Elective, Educ. 403	3 3	H.Ec. 267 or 425, SW 399	3 3
Hist. 101, 111	3 3	Soc. 203, Biol. 111	3 3	H.Ec. 322, 323	3 3	Educ. 320, Eng. 350	2 3
Math. 101, Psy. 131	3 3	Eng. 201, 202	3 3	H.Ec. 267 or 425; Econ.		Soc. 410	3
Phy. Sci. 101, 102	2 2	P.E. activity	1 1	201, Pol. Sci. 202 or 205	3 3	Electives	3 5
	15 15	Music 101	2	H.Ec. 391, 402	3 3	H.Ec. 400	0 0
		Com O 101	3		17 17		16 16
			15 17				

DIETETICS (B.S.): The following program prepares the student for positions in institutional management, dietetics, and related fields. This four-year plan will meet the requirements of the American Dietetics Association (Plan IV) for food service management and therapeutic and administrative dietetics.

First Year		Second Year	
F.	Sp.	F.	Sp.
Bible 112, 101	2 2	Bible 211, 213, 234	2 2
Eng. 103, Math 105	3 3	Chem. 114, 115	4 4
Hist. 101, Psy. 131	3 3	Econ. 201, Art 101	3 2
H.Ec. 102, Phy. Sci. 101	3 2	Soc. 203, H.Ec. 201	3 3
Music 101, P.E. 101	2 2	H.Ec. 101, 202, or 203	3 3
Com O 101, Hist. 111	3 3	Eng. 201, 202	3 3
P.E. activity	1	P.E. activity	1
	16 16		16 17

Third Year		Fourth Year	
F.	Sp.	F.	Sp.
Bible	2 2	Bible	2 2
Mgt. 332, C.Sc. 211	3 3	H.Ec. 391 and 402; Anthro. 250	6 3
H.Ec. 331; H.Ec. 251		Biol. 271, 275	4 4
322 or 323	3 3	H.Ec. 431 or 332	3 3
Chem. 271 or 301, 324	4 3	H.Ec. 433 or Educ. 307;	
Educ. 307 or H.Ec. 433,		H.Ec. 435 or 436	3 3
H.Ec. 332 or 431	3 3	H.Ec. 400	0 0
H.Ec. 435 or 436	3	Elective	1
	15 17		16 15

FASHION MERCHANDISING (B.A.): The following program is arranged for those students who desire to enter the field of fashion merchandising.

First Year		Second Year	
F.	Sp.	F.	Sp.
Bible 112, 101	2 2	Bible 211, 213, 234	2 2
H.Ec. 101, Biol. 111	3 3	H.Ec. 203, 202	3 3
Eng. 103, Math 101	3 3	H.Ec. 102, 201, or 331,	
Phy. Sci. 101, 102	2 2	Econ. 201	3 3
Art 101, Music 101	2 2	Acct. 205, Com O 101	3 3
Hist. 101, 111	3 3	Eng. 201, 202	3 3
P.E. 101	2	Psy. 131; Soc. 203;	
	15 17	Pol. Sci. 202 or 205	3 3
			17 17

Third Year		Fourth Year	
F.	Sp.	F.	Sp.
Bible	2 2	Bible	2 2
H.Ec. 305, 303	3 3	H.Ec. 405, 406, or 407, Elect.	3 3
H.Ec. 391, 402	3 3	Econ. 320, Mgt. 368	3 3
H.Ec. 251, 322 or 323	3 3	Mkt. 330, 335, or 337	3 3
P.E. activity, H.Ec. 267	1 3	Electives	3 4
Bus. 315, 350	3 3	P.E. activity	1
	15 17	H.Ec. 400	0 0
			15 15

FOOD MERCHANDISING (B.A.): The following program is outlined for students desiring to enter the field of food merchandising.

First Year		Second Year	
F.	Sp.	F.	Sp.
Bible 112, 101	2 2	Bible 211, 213, 234	2 2
H.Ec. 102, Biol. 111	3 3	H.Ec. 101, 202 or 203, Elect.	3 3
Eng. 103, Math. 101	3 3	Com M 201, H.Ec. 201	3 3
Art 101, Music 101	2 2	Eng. 201, 202	3 3
P.E. 101, Phy. Sci. 101	2 2	Phy. Sci. 102, Psy. 131	2 3
Hist. 101, 111	3 3	Soc. 203, Econ. 301,	
	15 15	Pol. Sci. 202 or 205	3 3
			16 17

Third Year		F.	Sp.
Bible .....	2	2	
H.Ec. 331, 435 or 436 .....	3	3	
H.Ec. 251, 322 or 323, elective .....	3	3	
H.Ec. 391, 402 .....	3	3	
H.Ec. 267, 337 .....	3	2	
H.Ec. 445, Com O 101 .....	3	3	
	<hr/>	<hr/>	
	17	16	

Fourth Year		F.	Sp.
Bible .....	2	2	
H.Ec. 405, 406, or 407, Elect. ....	3	3	
Com M 392, H.Ec. 435 or 436 .....	3	3	
Com M 220, 303 .....	3	3	
Com M 322, 323 .....	3	3	
P.E. activity .....	1	1	
Elective .....	2		
H.Ec. 400 .....	0	0	
	<hr/>	<hr/>	
	17	15	

GENERAL HOME ECONOMICS (B.A.): The following program prepares the student for homemaking, demonstration, and sales work in foods and home equipment.

First Year		F.	Sp.
Bible 112, 101 .....	2	2	
H.Ec. 101 or 202, Elect .....	3	3	
Art 101, Music 101 .....	2	2	
Eng. 103, Math 101 .....	3	3	
P.E. 101, Com O 101 .....	2	3	
Hist. 101, 111 .....	3	3	
	<hr/>	<hr/>	
	15	16	

Second Year		F.	Sp.
Bible 211, 213, 234 .....	2	2	
H.Ec. 203, Psy. 131 .....	3	3	
H.Ec. 102 or 201, elective .....	3	3	
Phy.Sci. 101, 102 .....	2	2	
Eng. 201, 202 .....	3	3	
P.E. activity .....	1	1	
Soc. 203, Econ. 201, Pol.Sci. 202 or 205 .....	3	3	
	<hr/>	<hr/>	
	17	17	

Third Year		F.	Sp.
Bible .....	2	2	
H.Ec. 331, elective .....	3	3	
H.Ec. 251, 322 or 323 .....	3	3	
H.Ec. 391, 402 .....	3	3	
Biol. 111 .....	3		
Electives .....	3	4	
	<hr/>	<hr/>	
	17	15	

Fourth Year		F.	Sp.
Bible .....	2	2	
H.Ec. 405, 406 or 407, Elect. ....	3	3	
Advanced H.Ec. electives .....	3	3	
H.Ec. 400 .....	0	0	
Electives .....	8	7	
	<hr/>	<hr/>	
	16	15	

INTERIOR DESIGN (B.A.): The following program prepares the student to enter the field of interior design.

First Year		F.	Sp.
Bible 112, 101 .....	2	2	
Art 103, 117 .....	3	3	
Art 101, Music 101 .....	2	2	
Eng. 103, Math 101 .....	3	3	
P.E. 101, Phy.Sci. 101 .....	2	2	
Hist. 101, 111 .....	3	3	
	<hr/>	<hr/>	
	15	15	

Second Year		F.	Sp.
Bible 211, 213, 234 .....	2	2	
H.Ec. 101 or 202, 203 .....	3	3	
Acct. 205, Art 260 .....	3	3	
Eng. 201, 202 .....	3	3	
P.E. activity, Psy. 131 .....	1	3	
Phy.Sci. 102 .....	2		
Soc. 203, Econ. 201, Pol.Sci. 202 or 205 .....	3	3	
	<hr/>	<hr/>	
	17	17	

Third Year		F.	Sp.
Bible .....	2	2	
H.Ec. 102, 201 or 331, Elect. ....	3	3	
H.Ec. 251, 322 or 323, Elect. ....	3	3	
H.Ec. 391, 402 .....	3	3	
Biol. 111, Art 312 .....	3	3	
P.E. activity, Com O 101 .....	1	3	
	<hr/>	<hr/>	
	15	17	

Fourth Year		F.	Sp.
Bible .....	2	2	
H.Ec. 405, 406 .....	3	3	
Mkt. 330, H.Ec. 267 .....	3	3	
Art 370, 372 .....	3	3	
Electives .....	5	5	
H.Ec. 400 .....	0	0	
	<hr/>	<hr/>	
	16	16	

VOCATIONAL (B.S.): The following program is arranged for those preparing to teach vocational home economics or to become extension home economists.

Year		F.	Sp.
Bible 112, 101 .....	2	2	
Art 117, Biol. 111 .....	3	3	
Eng. 103, 104 .....	3	3	
H.Ec. 101, 102 .....	3	3	
Math 105 or 101, Com O 101 ...	3	3	
P.E. activity, P.E. 101 .....	1	2	
	<hr/>	<hr/>	
	15	16	

Second Year		F.	Sp.
Bible 211, 213, 234 .....	2	2	
Chem. 114, Hist. 101 .....	4	3	
Eng. 201, 202 .....	3	3	
H.Ec. 203, 201 .....	3	3	
H.Ec. 251, Hist. 111 .....	3	3	
Music 101 .....		2	
	<hr/>	<hr/>	
	15	16	

Third Year		F.	Sp.
Bible .....	2	2	
H.Ec. 406 or 407, Educ. 336 .....	3	3	
H.Ec. 322, 323 .....	3	3	
H.Ec. 331 or 391, H.Ec. 202 or 303 .....	3	3	
Phy.Sci. 101, H.Ec. 402 or Educ. 307 .....	2	3	
Pol.Sci. 205, Soc. 203 .....	3	3	
	<hr/>	<hr/>	
	16	17	

Fourth Year		F.	Sp.
Bible .....	2		
Educ. 320, 416, 417, 451 .....		14	
Educ. 424 .....	3		
H.Ed. 203 .....	3		
H.Ec. 391 or 331 .....	3		
Educ. 307 or H.Ec. 402 .....	3		
H.Ec. 406 or 407, H.Ec. 405 .....	3	3	
H.Ec. 400 .....	0	0	
	<hr/>	<hr/>	
	17	17	

This qualifies the student to teach home economics in middle school and in secondary vocational programs.

Deviations from General Education requirements for majors in vocational home economics: Home Ec. 322, 323 replace Educ. 203; Chem. 114 replaces Phy. Sci. 102; and Art 101 is waived.

Non-teaching majors for the Bachelor of Science degree in vocational home economics may omit the courses in education and Health Educ. 203 and choose electives instead, but must include Art 101, Psy. 131, and one additional hour in P.E. activity.

### LIBRARY SCIENCE

Although some undergraduate colleges offer courses in library science, Harding University does not since it is necessary for an individual to obtain the Master's degree in library science in order to qualify as a professional librarian. In recent years, several Harding graduates have entered a Master's program in library science upon completion of the baccalaureate degree in one of the majors available at Harding. The University recommends that any students wishing to prepare for a career as a librarian consider the following in planning their undergraduate program:

1. Develop a broad knowledge in the liberal arts by electing a number of humanities, science, and social science courses,
2. Select more than the required courses in literature,
3. Major in the discipline interest since subject specialties in many areas are needed, and
4. Talk with the University librarian and request work in the library in order to obtain first-hand experience in the practice of librarianship.

Students who plan to specialize in school library work should also take the

professional education courses required for certification in the state in which they plan to work as a librarian.

### MUSIC EDUCATION (B.M.E. Instrumental)

The listing below is a suggested course of study for the first two years of study for the Bachelor of Music Education degree with a major in Instrumental. Four-year listings for this and other majors with the Department of Music are available from the department chairman.

First Year	Semester Hours	Second Year	Semester Hours
Music 111, 112 .....	6	Music 211, 212 .....	4
Music 113, 114 .....	2	Music 251, 252 .....	6
Music 140 .....	1	Music 253, 254 .....	2
Piano 101, 102 .....	2	Music 255, 256 .....	4
Instrument 101, 102 .....	2	Piano 201, 202 .....	2
Bible 112, 101 .....	4	Instrument 201, 202 .....	2
P.E. 101, Art 101 .....	4	From Bible 211, 213, 234 .....	4
Hist. 101, Biol. 111 .....	6	H. Ed. 203 .....	3
Eng. 103, 104 .....	6	Eng. 201, 202 .....	6
	<hr/>		<hr/>
	33		33

### PHYSICS (B.S.)

The following program is recommended for the first two years of a physics major. It is further recommended that a physics major also complete a double major in mathematics. The program for the juniors and seniors will be planned by the student's academic advisor.

First Year	F.	Sp.	Second Year	F.	Sp.
Art 101 or Music 101 .....		2	Eng. 201, 202 .....	3	3
Chem. 121, 122 .....	4	4	Hist. 101, 111 .....	3	3
English 103 .....	3		Math. 251, 301 .....	5	3
*Math. 171, 201 .....	5	5	P.E. activity .....	1	1
P.E. 101, Psy. 131 .....	2	3	Physics 211, 212 .....	4	4
Bible 112, 101 .....	2	2	From Bible 211, 213, 234 .....	2	2
	<hr/>	<hr/>		<hr/>	<hr/>
	16	16		18	16

\*Students with adequate mathematics background should take Math. 201 in the fall and Math. 251 in the spring.

### PREAGRICULTURE (William F. Rushton, M.A. — Advisor)

Students planning agriculture as a vocation or profession may take one year or in certain instances two years of preagriculture training at Harding. The following is the suggested arrangement of courses. Students should check the curriculum of the college of agriculture they plan to enter to determine the specific electives they should choose.

First Year	Semester Hours	Second Year	Semester Hours
Biology 151, 152 .....	8	Biology 271, 313 .....	7
Chemistry 121, 122 .....	8	Chemistry 271 or 301 .....	4
From English 102-103-104 .....	6	English 201, 202 .....	6
History 101 .....	3	Com O 101 .....	3
P.E. 101 .....	2	*Electives .....	9
Bible 112, 101 .....	4	From Bible 211, 213, 234 .....	4
	<hr/>		<hr/>
	31		33

\* Soc. 203 is recommended for transfer to the University of Arkansas.

### ARCHITECTURE (Lambert Murray, Ph.D. — Advisor)

Architectural schools require a minimum of four years in residence at that school. If the program is a six-year schedule, then two years may be taken at Harding. If the program is a five-year schedule, only one year at Harding may be transferred to the professional school. For students who prefer two years at Harding, the following program is recommended. If only one year can be taken at Harding, the advisor will prepare an appropriate one-year program. Students transferring to the University of Arkansas must plan to take FNAR 1062 and ARCH 2113, 2316 there during the summer to be accepted into the School of Architecture.

First Year	Semester Hours	Second Year	Semester Hours
Art 103, 104 .....	6	C.Sc. 211, Econ. 201 .....	6
Art 221, 222 .....	4	Hist. 101, 111 .....	6
From Eng. 102, 103, 104 .....	6	Math. 251, 301 .....	8
Math. 171, 201 .....	10	Physics 211, 212 .....	8
P.E. 101 .....	2	From Bible 211, 213, 234 .....	4
Bible 112, 101 .....	4		
	<hr/>		<hr/>
	32		32

### PRECHIROPRACTIC (Carroll W. Smith, Ph.D. — Advisor)

Two years of college work leading to a baccalaureate degree in the arts and sciences, including laboratory courses in biology and chemistry, and courses in English composition, psychology, and sociology is the preprofessional background for admission to most colleges of chiropractic. Students planning a career in chiropractic should obtain prior to enrollment as a freshman the admissions requirements of the college of chiropractic they plan to attend so that the advisor can plan their program of study. The two-year schedule outlined below is suggested for the student who has adequate background in high school mathematics and science. It is strongly recommended, however, that a student take three years of preprofessional study at Harding, taking more liberal arts courses, spreading out the upper-level science courses, and obtaining a higher GPA. A student who completes a 96-hour prechiropractic program at Harding, including all general education and other requirements and 4 more hours of upper-level science or mathematics, can receive the B.S. degree in general science upon the successful completion of 2 years of chiropractic study at an accredited school.

First Year	F.	Sp.	Second Year	F.	Sp.
Chem. 121, 122 .....	4	4	Biol. 151, 152 .....	4	4
Math. 171, 201 .....	5	5	Chem. 301, 302 .....	4	4
From Eng. 102, 103, 104 .....	3	3	Physics 201, 202 .....	4	4
P.E. 101, Hist. 101 .....	2	3	Psy. 201, Soc. 203 .....	3	3
Bible 112, 101 .....	2	2	From Bible 211, 213, 234 .....	2	2
	<hr/>	<hr/>		<hr/>	<hr/>
	16	17		17	17

### PREDENTISTRY (George W. Woodruff, Ed.D. — Advisor)

Three years of college work are required for entrance to most schools of dentistry; however, preference is given to those who hold the Bachelor's degree. The pre dental student should maintain at least a 3.30 cumulative average. Students who wish to obtain a degree before entering dental

school should select as their major biological science, chemistry or general science, and include those courses listed below. Those who wish to transfer after three years should follow the curriculum here outlined. Upon request Harding will confer the baccalaureate degree with a major in general science on students who successfully complete two years in an approved school of dentistry, and who satisfy the other requirements for graduation.

Students transferring to the School of Dentistry of Baylor University, the University of Tennessee, or the University of Missouri at Kansas City should complete the following courses. Students are advised to obtain in advance the admission requirements of the school of dentistry they plan to enter.

First Year		F.	Sp.	Second Year		F.	Sp.
Chem. 121, 122	.....	4	4	Art 101 or Music 101	.....	4	2
Eng. 103, 104	.....	3	3	Biol. 151, 152	.....	4	4
Hist. 101, 111	.....	3	3	Econ. 201, Com O 101	.....	3	3
*Math 151, 152	.....	4	3	Eng. 201, 202	.....	3	3
P.E. 101	.....	2	2	P.E. activity	.....	1	1
Bible 112, 101	.....	2	2	Psy. 201, Phy.Sci. 101	.....	3	2
		16	17	From Bible 211, 213, 234	.....	2	2
						16	17

\* Students inadequately prepared for Math. 151 must take 105 instead. Students with a strong mathematics background should take 171 or 201. Calculus is strongly recommended.

Third Year		F.	Sp.
Biol. 275, Elective	.....	4	3
Chem. 301, 302	.....	4	4
Music 101 or Art 101	.....	2	
Physics 201, 202	.....	4	4
Pol.Sci. 202, 205, or Soc. 203	.....		3
Bible	.....	2	2
		16	16

### PRE-ENGINEERING (Lambert Murray, Ph.D. — Advisor)

The standard pre-engineering curriculum is a two-year program which closely parallels the first two years in any engineering school. The students then transfer to the engineering school of their choice. For students interested in a broader liberal arts education, Harding has a 3-2 program arranged with several colleges of engineering. In this program, the student completes three years of prescribed liberal arts courses at Harding and transfers to one of the participating colleges of engineering. Upon successful completion of all engineering requirements, the student may then apply to Harding and, if all Harding requirements for graduation have been met, the baccalaureate degree can be granted with a major in mathematics, physics, or general science. Pre-engineering students should work closely with the pre-engineering advisor and the proposed engineering school in coordinating the programs. Students are responsible for supplying the pre-engineering advisor the degree requirements from their proposed engineering schools.

Following is the suggested two-year program for students who plan to transfer to an engineering school at the end of two years.

First Year		F.	Sp.	Second Year		F.	Sp.
Chem. 121, 122	.....	4	4	Art 221, 222	.....	2	2
From Eng. 102, 103, 104	.....	3	3	*Econ. 201, 202	.....	3	3
P.E. 101, Hist. 101	.....	2	3	Math 251, 301	.....	5	3
Math. 171, 201	.....	5	5	P.E. activity	.....	1	1
Bible 112, 101	.....	2	2	Physics 211, 212	.....	4	4
		16	17	From Bible 211, 213, 234	.....	2	2
						17	15

For chemical engineering majors who wish to take the third year at Harding, the following program is suggested.

Third Year		F.	Sp.
Chem. 301, 302	.....	4	4
Chem. 411, 412	.....	4	4
Physics 301 or 421	.....	3	or 3
Electives	.....	4-7	3-6
Bible	.....	2	2
		17	16

\*Chemical engineering majors should substitute Chem. 261 for Econ. 202.

### PRELAW (Raymond Lee Muncy, Ph.D. — Advisor)

A liberal arts education is considered the best prelegal preparation. Law schools generally do not require a specific undergraduate major. However, students are advised to elect a concentration in the social sciences (history, political science, psychology, or sociology) and to take as much work as possible in English composition and communication. The courses which require a high degree of written work and group discussion are also recommended. Students, upon entry into a law school, must have mastered expression, comprehension, fluidity of the English language, and be thoroughly acquainted with American institutions, values, and culture. **The Law School Admissions Test, required by most law schools, stresses creative thinking and writing ability.** The prelaw students at Harding are given broad latitude in course selections to enable them to explore their potential in many areas.

### PREMEDICAL TECHNOLOGY (Carroll W. Smith, Ph.D. — Advisor)

The minimum entrance requirement to approved schools of medical technology is three years of college work. Upon request Harding will confer the Bachelor of Science in Medical Technology degree on students who complete the three year program outlined below, who successfully complete the program of work in an affiliated, approved school of medical technology, and who meet the other requirements for graduation. Medical technology majors should read carefully the Medical Technology section of this catalog.

First Year		F.	Sp.	Second Year		F.	Sp.
Chem. 121, 122.....	4	4	Biol. 151, 271.....	4	4	4	4
*Eng. 102 or 103, Art 101.....	3	2	**Chem. elective, Psy. 201.....	4	3	4	3
History 101, 111.....	3	3	Eng. 201, 202.....	3	3	3	3
Math. 151 or 152, P.E. 101.....	4	2	P.E. activity.....	1	1	1	1
Com O 101 or Eng. 103 or 104.....	2	3	Com O 101 or elective.....	3	3	3	3
Bible 112, 101.....	2	2	From Bible 211, 213, 234.....	2	2	2	2
	16	16		14	16	14	16

Third Year		F.	Sp.
From Biol. 275, 276, 311, 315, 410, 420, 421.....	4	4	
***Chem. 271 or 301.....	4		
Econ. 201, Music 101.....	3	2	
Phy.Sci. 101.....		2	
***Elective Biol., Chem., C.Sc., or Physics.....	4	4	
Pol.Sci. 202, 205 or Soc. 203.....		3	
Bible.....	2	2	
	17	17	

- \* Will take Eng. 103 if Eng. 102 was taken in fall; will take Eng. 104 if grade of "C" was not earned in Eng. 103.
- \*\* Students may elect either Chem. 261 or Chem. 324, 325 in addition to Chem. 271 or they may elect Chem. 301-302 in lieu of the preceding, but they should check with the medical technology school for its requirements.
- \*\*\* Students planning to go to the University of Arkansas School of Medical Technology are required to take Chem. 301-302, instead of Chem 271, and Eng. 104.
- \*\*\*\* Courses strongly recommended: C.Sc. 211; Physics 201, 202; additional Biol. from courses listed above; Chem. 302 if 301 is elected; and Chem 324, 325 if Biol. 421 is not elected.

**PREMEDICINE** (Don England, Ph.D.; Michael V. Plummer, Ph.D. — Advisors)

Most schools of medicine require for admission a minimum of three years of college work with a grade average well above 3.00 and relatively high scores on the Medical College Admissions Test; however, preference is usually given to those holding the Bachelor's degree. Students who wish to complete the baccalaureate degree before transferring to medical school may elect any college major. However, it should be remembered that the Medical College Admissions Test is based on a total science emphasis and one's curriculum should be planned accordingly. For this reason most premedical students elect a major in biology, biochemistry, or chemistry; but other majors are not only allowed, they are encouraged. Upon request Harding will confer the Bachelor of Science degree with a major in general science on students who complete two years in an approved school of medicine, and who meet the other requirements for graduation. With only slight modification, the following courses will meet the requirements of any school of medicine in the United States. Students should consult the premedical advisor for specific requirements of the various medical schools.

First Year		F.	Sp.	Second Year		F.	Sp.
Biol. 151, 152.....	4	4	Hist. 111, Art 101.....	3	2	3	2
*Chem. 121, 122.....	4	4	Biol. 251, 263.....	4	4	4	4
From Eng. 102, 103, 104.....	3	3	Eng. 201, 202.....	3	3	3	3
*Math. 171, 201.....	5	5	**Physics 201, 202.....	4	4	4	4
Bible 112, 101.....	2	2	P.E. 101.....	2	2	2	2
	18	18	From Bible 211, 213, 234.....	2	2	2	2
				16	17	16	17

Third Year		F.	Sp.	Fourth Year		F.	Sp.
Biol. 315, 420.....	3	4	****German 105, 106.....	3	3	3	3
Chem. 301, 302.....	4	4	Science elective.....	4	4	4	4
Phy.Sci. 101, Chem. 324.....	2	3	Science elect., Biol. 412.....	4	2	4	2
Econ. 201, Hist. 101.....	3	3	Pol.Sci. 202, 205 or Soc. 203.....		3		3
P.E. activity.....	1		Elective, Com O 101.....	3	3	3	3
Psy. 201, Music 101.....	3	2	P.E. activity.....	1		1	
Bible.....	2	2	Bible.....	2	2	2	2
	18	18		17	17	17	17

- \* Students inadequately prepared for Math. 171 or Chem. 121 must first take the prerequisite courses. C.Sc. 211 is highly recommended.
- \*\* Chemistry majors will take Physics 211-212 in their junior year and will take Chem. 261 and Math. 251 as sophomores. Chem 411 is highly recommended for general science and biology majors.
- \*\*\* The Medical College Admissions Test (MCAT) should be taken in the spring semester of the junior year. The schedule outlined for the first three years will accommodate the heavy science emphasis on the MCAT. Application to medical school should be completed by the following September.
- \*\*\*\* French 101-102 or Spanish 101-102 may be elected rather than German 105-106.

**PREOPTOMETRY** (Bill W. Oldham, Ed.D. — Advisor)

Schools of optometry require two years of preprofessional work for admission. The basic courses required by practically all schools include the following:

First Year		F.	Sp.	Second Year		F.	Sp.
Biol. 151, 152.....	4	4	Chem. 121, 122.....	4	4	4	4
From English 102, 103, 104.....	3	3	English 201, 202.....	3	3	3	3
History 101, 111.....	3	3	Physics 201, 202.....	4	4	4	4
*Math. 151, 152.....	4	3	Psy. 201, Biol. 271.....	3	4	3	4
P.E. 101.....		2	Bible 211, 213, 234.....	2	2	2	2
Bible 112, 101.....	2	2					
	16	17		16	17	16	17

- \* Students inadequately prepared for Math. 151 or Chem. 121 must take the prerequisite courses.

Since the requirements vary widely among different schools of optometry, students are advised to obtain in advance the admission requirements of the school of optometry they plan to attend.

**PREPHARMACY** (William D. Williams, Ph.D. — Advisor)

Students planning a pharmacy career may complete the two-year prepharmacy requirements at Harding. Since requirements vary slightly among schools of pharmacy, students should obtain a copy of the catalog of the pharmacy school they plan to attend. The following schedule meets the entrance requirements of the University of Arkansas College of Pharmacy. Because of the heavy science load in this curriculum, many students add

an additional summer or spend three years at Harding before entering pharmacy school.

First Year	F.	Sp.	Second Year	F.	Sp.
Biol. 151, 152 .....	4	4	Acct. 205, Com O 101 .....	3	3
*Chem. 121, 122 .....	4	4	Chem. 301, 302 .....	4	4
From Eng. 102, 103, 104 .....	3	3	History 101, 111 .....	3	3
*Math. 151, 152 .....	4	3	Physics 201 .....	4	
Bible 112, 101 .....	2	2	From Bible 211, 213, 234. ....	2	2
**Electives .....		2	**Electives .....	2	6
	17	18		18	18

\* Students inadequately prepared for Math. 151 or Chem. 121 must take the prerequisite courses.

\*\* Electives must be in humanities or liberal arts.

### PREPHYSICAL THERAPY (Edmond W. Wilson, Ph.D. — Advisor)

Three years of college work are required for entrance to most schools of physical therapy. The prephysical therapy student should maintain at least a 3.00 cumulative grade point average. Students planning a career in physical therapy should obtain admissions requirements to the school of physical therapy they plan to attend so that the advisor can aid in planning the program of study. This is the responsibility of each student. A free booklet listing all of the schools of physical therapy in the United States may be obtained by writing the American Physical Therapy Association, 1111 N. Fairfax Street, Alexandria, Virginia 22314. The title of the booklet is *Careers in Physical Therapy* and is updated annually. Some schools require their physical therapy applicants to take the Allied Health Professions Admissions Test. Information on this test is available from the Psychological Corporation, 7500 Old Oak Boulevard, Cleveland, Ohio 44130. Entrance to physical therapy schools is very competitive and many schools like to see evidence of interest in physical therapy such as observing or aiding a licensed physical therapist. Below is a program of study which meets the requirements of most schools of physical therapy. By taking 10 more hours of biology and 22 more hours of electives one could obtain the B.A. degree in biology from Harding University before entering physical therapy school.

First Year	F.	Sp.	Second Year	F.	Sp.
*Chem. 121, 122 .....	4	4	Biol. 275, 276 .....	4	4
Biol. 151, 152 .....	4	4	Hist. 101, 111 .....	3	3
Eng. 103 .....		3	Psy. 201, 382 .....	3	3
*Math. 151, Music 101 .....	4	2	Eng. 103 or 104, Math 152 .....	3	3
Bible 112, 101 .....	2	2	From Bible 211, 213, 234. ....	2	2
P.E. 101, 113 .....		1	P.E. activity .....	1	1
	16	16		16	16

Third Year	F.	Sp.
Physics 201, 202 .....	4	4
Eng. 201, 202 .....	3	3
Pol. Sci. 202 .....	3	
Art 101, Soc. 203 .....	2	3
Phy. Sci. 101, Biol. 252. ....	2	4
Bible elective .....	2	2
	16	16

\* Students inadequately prepared must take prerequisite courses.

### 1985-1986 Harding University Catalog VETERINARY MEDICINE (Michael V. Plummer, Ph.D. — Advisor)

This program is essentially the same as that outlined for premedicine. Students should check the specific requirements of the school of veterinary medicine they plan to attend. It is recommended that students obtain the baccalaureate degree if they intend to apply to a school of veterinary medicine.

### SOCIAL WORK (B.S.W.) (Mary R. Shock, M.S.W. — Advisor)

The following four-year program of study is required for all social work majors. Any variation should be discussed with the program director. This program has been nationally accredited by the Council on Social Work Education.

First Year	F.	Sp.	Second Year	F.	Sp.
Soc. 203, Psy. 201 .....	3	3	S.W. 275, 300 .....	3	3
Bible 112, 101 .....	2	2	From Bible 211, 213, 234. ....	2	2
Hist. 101, P.E. 101 .....	3	2	Hist. 111, Anthro. 250 .....	3	3
Eng. 103, Biol. 111 .....	3	3	Phy. Sci. 102, 101 .....	2	2
Com O 101, Math. 101 .....	3	3	Eng. 201, 202 .....	3	3
Music 101, Art 101 .....	2	2	Pol. Sci. 205, *elective .....	3	3
P.E. activity .....		1	P.E. activity .....		1
	16	16		16	17

Third Year	F.	Sp.	Fourth Year	F.	Sp.
Soc. 325, 330 .....	3	3	S.W. 412, 450 .....	3	9
S.W. 350, 351 .....	3	3	S.W. 352, 451 .....	3	3
Anthro. 381, Psy. 382 .....	3	3	Soc. 405 .....	3	
Soc. 350, 305 .....	3	3	Soc. 408 .....	3	
*Electives .....	3	3	Soc. 410 .....	3	
Bible .....	2	2	Bible .....	2	
	17	17		17	12

\* See advisor for recommended elective.

### TEACHING

Students preparing to teach have three choices in regard to preparation: (1) they may major in education as outlined later and take enough subject matter to certify in two teaching fields; or (2) they may major in their chosen subject matter teaching fields and take the specific courses in education to meet certification requirements; or (3) follow either plan just outlined with a year of graduate work leading to the Master of Education degree. This graduate year is a combination of subject matter and professional work to fit the need of each teacher.

Those planning to teach elementary education, special education or home economics must complete a major in the chosen teaching field. All students planning to meet certification requirements should check the catalog material under the SCHOOL OF EDUCATION.



PROFESSOR:

Don Robinson, M.A.

Chairman

Faye Brewer Doran, Ed.D.

ASSOCIATE PROFESSOR:

Paul Martin Pitt, M.A., M.F.A.

ASSISTANT PROFESSOR:

Gregory Lee Clayton, B.S., M.F.A.

\*John E. Keller, M.A.

INSTRUCTOR:

Stanley B. Green, B.S.E.

\*On leave of absence 1985-86

The Department of Art is designed to enrich the artistic understanding of all students, to develop greater proficiency in the arts, to supply the art training required by other departments, and to prepare teachers of art. Many courses requiring no special ability are open to all students and are recommended electives.

The department reserves the right for each teacher of an art class to retain one example of each student's work each semester for addition to the department's permanent collection.

**CORE REQUIREMENTS:** The following 31-hour core of art courses is required of all art majors: 103, 104, 105, 200, 201, 205, 260, 375, six hours of art history, and 450.

**BACHELOR OF ARTS DEGREE**

**ART:** Major: 37 hours of art, including Core and 6 hours of upper-level electives. A minor is required.

**ART:** Minor: 18 hours of art including 6 hours of upper-level credit.

**INTERIOR DESIGN:** Minor: 18 hours, including 103, 117 or 200, 260, 312 or Home Ec. 203, 370, and 372.

**BACHELOR OF SCIENCE DEGREE**

**ART:** Major: 50 hours of art, including Core and 19 hours of electives, 11 of which are upper-level. A minor is not required. This major is recommended for those certifying to teach art, with 211 being included in the elective hours.

**ART EDUCATION EMPHASIS:** Those planning to teach art must complete 24 hours of art, including Art 211, and 24 hours of approved courses in education, including Educ. 420, Educ. 461, rather than 451, must be completed. It is recommended that any student planning to teach art take 9 hours of art history.

Education 420 may be counted as art credit for those certifying to teach.

**ADVERTISING ART:** Major: 76 hours, including Core; 18 hours in advertising art (249, 250, 351, 352, and 6 hours in 475); 300, 345, 365, and 3 hours in art electives; Acct. 205; CIS 214 or C.Sc. 211; Com M 220 and 3 hours elected from Com M 303, 305, or 322; and Mkt. 330. This major requires a minimum of 137 hours for the degree. A minor is not required.

**CERAMICS:** Major: 76 hours, including Core; 18 additional hours in ceramics (235, 255, 335, 355 and 6 hours in 475) 400; 6 additional hours in art history; 18 hours in art electives; and Com M 220. This major requires a minimum of 137 hours for the degree. A minor is not required.

**PAINTING:** Major: 76 hours, including Core; 18 additional hours in painting (202, 300, 301, 302, and 6 hours in 475); 6 additional hours in art history; 18 hours in art electives; and Com M 220. This major requires a minimum of 137 hours for the degree. A minor is not required.

101. **ART APPRECIATION.** (2) Fall, Spring.

A study of the beauty and worth of artistic creations. The means and ideas promoting man's visual expression, with a survey of his creations.

103. **DRAWING AND COMPOSITION.** (3) Fall.

Beginning drawing designed for the student who has had limited drawing experience. Consists of image formation, rendering techniques, and compositional theory and problems. Six studio hours per week.

104. **FREEHAND DRAWING AND COMPOSITION.** (3) Spring.

Drawing in various media. Studio work in drawing and composition problems. Six studio hours per week. It is advised for students with some art background.

105. **ANATOMY.** (3) Spring.

Learning the structure and function of the human figure through a complete study of bones and muscles. Drawing of human figure with variety of media. Prerequisite: 103 or consent of the instructor.

117. **DESIGN FOR THE HOME.** (3) Fall, Spring.

Principles and elements of art as used in design for all purposes. Application of color and design in projects, many of which are concerned with wardrobe, architectural styles, home plans and furnishing.

200. **TWO-DIMENSIONAL DESIGN.** (3) Fall.

Explores, through discussion and laboratory application, the basic design principles and sources of design inspiration fundamental to all visual arts. Prerequisite: 103 or consent of instructor.

201-202. **INTRODUCTION TO PAINTING.** (3, 3) Fall, Spring.

Creative experience in oil. Six studio hours per week. Prerequisites: 103, 104 or consent of instructor.

205. **THREE-DIMENSIONAL DESIGN.** (3) Spring.

Creative design with emphasis on volume and space relationships. Construction in a variety of materials. Prerequisite: 200 or consent of instructor. Fee for materials: \$6.50.

211. **ART IN THE ELEMENTARY SCHOOL.** (3) Fall, Spring.

An introduction to art, the problems of art education, and the methods of teaching art in the elementary school. Required of all elementary education majors. Prerequisites: 101 and Education 202 or 203. Fee for materials: \$12.50.

221. **BEGINNING TECHNICAL DRAWING.** (2) Fall.

Basic problems of mechanical drawing designed for both students needing specific professional drawing and general students. Use of instruments, lettering, geometrical problems, and various projections.

222. **TECHNICAL DRAWING.** (2) Spring.

Advanced work in technical drawing beginning with sectional views and advancing through auxiliary views, revolutions, etc. Prerequisite: 221 or two years of high school drafting with consent of instructor.

**235-255. CERAMICS.** (3, 3) Fall, Spring.

Materials and techniques involved in working with clay. Class projects with clay in slab, coil and wheel methods, glazing and firing. Fee for materials: \$42 each.

**249-250. ADVERTISING ART.** (3, 3) Fall, Spring.

Beginning problems and exercises in lettering, advertising, layout, design, and techniques.

**260. COLOR THEORY.** (3) Spring.

A concentrated study of the theory and application of color, both fundamental and advanced. Prerequisite: 200 or consent of instructor. Fee for materials: \$6.50.

**300. WATERCOLOR.** (3) Fall.

Painting in transparent watercolor media. Prerequisite for art majors: 103, 104, and 200, or equivalent accepted by instructor.

**301-302. ADVANCED PAINTING.** (3, 3) Spring, Fall.

Painting courses for advanced students seeking to develop individual expression in creative painting and technical mastery of various media. Prerequisites: 201-202.

**312. WEAVING.** (3) Spring.

An introduction to basic handweaving techniques, using a variety of looms; experiments in weaving with various textile fibers; analyzing and originating patterns with emphasis upon design in color and texture. Fee for materials: \$5.50.

**335-355. ADVANCED CERAMICS.** (3, 3) Fall, Spring.

Individual work on the potter's wheel, designing in clay, and glaze calculations. Prerequisite: 255. Fee for materials: \$42 each.

**340. METAL WORK AND JEWELRY.** (3) Fall.

Basic designing, shaping and soldering of metals. Lapidary work in cutting and polishing stones, and experience in lost-wax casting. Prerequisite: 200 or consent of instructor. Fee for materials: \$36.50.

**345. RELIEF AND INTAGLIO PRINTING.** (3) Fall. Alternates with 400; offered 1986-87.

Explores the principles and techniques involved in fine arts printing by the relief (block) and intaglio methods. Prerequisite: 200 or consent of instructor. Fee for materials: \$36.50.

**351-352. ADVANCED ADVERTISING ART.** (3, 3) Fall, Spring.

Advanced problems in the commercial field. Prerequisite: 249-250 or equivalent in experience.

**365. SERIGRAPHY AND LITHOGRAPHY PRINTING.** (3) Spring. Alternates with 401; offered 1986-87.

Creative individual and group projects in fine arts printing by the serigraphy (silk screen) and lithography methods. Prerequisite: 200 or consent of instructor. Fee for materials: \$45.

**370. INTERIOR DESIGN I.** (3) Fall.

Fundamental principles and elements of interior design with emphasis on rendering designs for residential space and preparation of a portfolio. Prerequisites: 200 and 260 or consent of instructor.

**372. INTERIOR DESIGN II.** (3) Spring.

Continues study in principles and elements of interior design for residential and commercial application with a strong emphasis in the history of the decorative arts. Prerequisite: 370.

**375/575. VISUAL AESTHETICS.** (3) Spring.

The basics of visual aesthetics through an analysis of elements and orders. Emphasis is given to the Christian ethic as a fundamental to the forming of visual judgment. Required of all art majors. Fee for materials: \$5.50.

**400. SCULPTURE IN PLASTER AND CLAY.** (3) Fall. Alternates with 345; offered 1985-86.

Fundamental sculpturing problems in plaster and clay, emphasis upon clay modeling and plaster casting. Prerequisite: 205 or consent of instructor. Fee for materials: \$36.50.

**401. SCULPTURE IN WOOD AND METAL.** (3) Spring. Alternates with 365; offered 1985-86.

Fundamental sculpturing problems in wood and metal. Welding and fabrication is the metals emphasis. Prerequisite: 205 or consent of instructor. Fee for materials: \$36.50.

**430/530. AMERICAN ART HISTORY.** (3) Spring. Alternates with 433/533; offered 1986-87.

A study of art in the United States from early cultures to the present.

**431/531. ANCIENT THROUGH MEDIEVAL ART HISTORY.** (3) Fall. Alternates with 432/532; offered 1986-87.

Western art from prehistoric times to the Renaissance.

**432/532. ART HISTORY FROM 15TH TO 19TH CENTURY.** (3) Fall. Alternates with 431/531; offered 1985-86.

Western art from the 15th to the 19th century.

**433/533. MODERN ART HISTORY.** (3) Spring. Alternates with 430/530; offered 1985-86.

Western art from the 19th century to the present day.

**480. SENIOR SEMINAR.** (1) Fall, Spring.

The production of a one-person exhibit and presentation of a portfolio. Required of all art majors.

**475. INDEPENDENT STUDY.** (1-3) Offered on demand.

Provides opportunity for the well-qualified students to do supervised individual work in the field of their special interest. Concentration is permitted in areas where the appropriate course prerequisites have been taken. May be taken two times for credit. B.F.A. degree students may take four times for credit. Prerequisite: Consent of department chairman and instructor. Fee: Depends on field.

## DEPARTMENT OF BIBLE, RELIGION, and PHILOSOPHY

**PROFESSORS:**

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Chairman

Allan L. Isom, Ed.D.

Assistant Chairman

Conard Hays, M.A., B.D.

Assistant to the Chairman

James R. Allen, M.R.E., Hh.D.

Robert Helsten, M.A.

Don Shackelford, Th.D.

**ASSOCIATE PROFESSORS:**

John T. McKinney, M.A.

L.V. Pfeifer, M.Div., M.Th.

J. Paul Pollard, Ph.D.

Ed Sanders, M.A.

Will Ed Warren, M.A.R.

**ASSISTANT PROFESSORS:**

Thomas C. Alexander, M.Th.

Eddie Cloer, M.Th.

Tom Eddins, M.Th.

Joe Dale Jones, M.A.

Director, School of Biblical Studies

Richard D. King, M.A.R.

Bill Lambert, M.A.

James C. Walters, M.A.R.

**VISITING PROFESSOR:**

Coy Walters (1985-86)

Assisting from other departments:

**PROFESSORS:**

Duane McCampbell, Ph.D.

Jack Wood Sears, Ph.D.

## ASSOCIATE PROFESSOR:

Van Tate, Ph.D.

Director, Mission/Prepare Program

The aims of the Department of Bible, Religion and Philosophy fall naturally into two areas: (1) Those which apply to all students, (2) Those which apply more specifically to students who major in the Biblical area. Obviously, these two areas overlap at various points but are distinct at others.

This Department seeks to equip each student with such a knowledge of the Bible that the student's life will be firmly founded upon a personal Christian faith; such faith must include a thorough integration between Biblical truth and life-experience regardless of the student's chosen field of study. In order to accomplish this goal, the Department is committed:

- (1) To awaken and deepen each student's faith in God and the Bible as the revelation of His will.
- (2) To motivate each student to study the Bible and to provide the basic skills for sound interpretation.
- (3) To train and motivate students for service in the local church, for Christian living, and for communicating their faith to others.
- (4) To teach students to think clearly and deeply about life and the implications of the Christian faith so that they might formulate a well-rounded philosophy of life with clearly defined purposes, values, and goals.
- (5) To provide students multiple opportunities for meaningful experience in the development of Christian character while on campus.
- (6) To teach Greek and Hebrew and other skills necessary for primary Biblical exegesis.
- (7) To train students for service in various ministry settings including preaching, missions, religious education, and youth ministry.

Students who transfer from another college and who major in Bible are required to take at least 10 upper-level hours in Bible at Harding. Six of these must be in the Textual division and the remaining 4 hours distributed according to the recommendation of the chairman of the department.

**Special minors in communication and psychology have been structured for Bible majors.** See Department of Communication and Department of Psychology for these minors.

### HARDING GRADUATE SCHOOL OF BIBLE AND RELIGION

The Harding Graduate School of Bible and Religion, located at 1000 Cherry Road at Park Avenue, Memphis, Tennessee 38117, confers the following degrees: Master of Arts, Master of Arts in Religion, Master of Theology, and Doctor of Ministry. Information about the program may be obtained upon request from the Graduate School.

Students within 8 hours of graduation may take 6 hours of Bible at the Searcy Campus which will transfer as graduate credit to the graduate school.

### SCHOOL OF BIBLICAL STUDIES

The School of Biblical Studies, located on the campus in Searcy, Arkansas, is a vocational program designed to train in the field of preaching and missions men who are over 21 years of age and who do not desire to pursue a liberal arts degree or to continue academic study in a graduate program. A diploma is conferred upon successful completion of the two-year program. Information concerning this program may be obtained upon request from the Department of Bible, Harding University, Searcy, Arkansas 72143.

### TRANSFER FROM SCHOOLS OF PREACHING

A student who enters Harding University from the Harding School of Biblical Studies will be permitted to apply for up to 50 hours of Bible, Greek, Hebrew, and Missions courses that he has successfully completed in the vocational program. The number of hours will be determined by the Chairman of the Bible Department.

Graduates from other two-year "Schools of Preaching" who enter Harding University may apply for up to 40 hours of credit in Bible, Greek, Hebrew, and Missions courses. The student will take a battery of tests and appear before an examining committee composed of Harding University Bible faculty. The committee will determine the number of hours allowed to transfer. The student will pay a \$10 fee for each course the committee accepts. After formally enrolling in Harding University and having his transcript sent to the Chairman of the Bible Department, the student is to state in a letter his request to the Chairman who will then determine the validation process.

All students who transfer from such schools will be regulated by the following policy in pursuing a baccalaureate degree:

- (1) When a student transfers, the Chairman of the Bible Department will direct the validation procedure and will send to the Registrar a list of the courses, with hours of credit earned, that he has approved by validation.
- (2) A course in which a "C" has been earned must be validated by earning a "C" on a test at Harding. Courses in which a "D" was earned cannot be validated.
- (3) Meet the 32-hour residence requirement at Harding.
- (4) Meet the requirement that 24 of the last 32 hours required for the degree must be completed at Harding EXCEPT a student who has already earned a degree from Harding must complete an additional 18 hours at Harding for a degree in Bible.
- (5) Take a minimum of 10 upper-level hours in Bible. Depending upon the number of hours transferred and/or validated, the student may be required to take many more hours in Bible, but the minimum will be 10 upper-level hours. The Chairman of the Bible Department may stipulate the Bible courses the student is to take.
- (6) Complete all the graduation requirements of Harding for a B.A. or B.S. degree in Bible.

**ADMISSION TO MISSION/PREPARE PROGRAM**

MISSION/PREPARE is a program providing up to four years of training including an undergraduate major in missions; a continuing education program; MISSION/PREPARE internships; and a two-year apprentice experience, Harding Outreach Program of Evangelism (HOPE). Any regularly enrolled student may participate in these activities.

To be admitted to the MISSION/PREPARE Internship Program a student must:

- (1) Satisfy all admission requirements to the University.
- (2) File a declaration of intent to enter the program and a biographical information blank in the office of the Department of Bible.
- (3) File a formal application for admission to the program in the office of the Department of Bible. This application should be filed during the second semester of the student's freshman year or before the ninth week of any semester following. Transfer students may make formal application for admission to the MISSION/PREPARE Program if they have completed 27 or more semester hours of work and if they have fewer than 90 semester hours of work. Other transfer students may be considered for admission by consent of the Chairman of the Department of Bible.
- (4) Satisfactorily complete the taking of psychological tests as required by the Department of Bible and Counseling Office.
- (5) Meet acceptable standards of adjustment in the areas of personal, social, moral, and ethical behavior. Letters of recommendation, conferences with University personnel acquainted with the student, and special interviews with the student may be used to make evaluations in these areas.
- (6) Not be on academic probation at the time of making application.

Non-Missions majors may enter the program with a favorable recommendation of the chairman of their major academic area and/or recommendation of at least two faculty members with whom they have had courses.

Students who are admitted to the MISSION/PREPARE Internship Program will spend a minimum of two months before their senior year doing internship training at faculty-approved places. Academic credit will be given in approved field work. Students will also be guided in raising all funds for travel and living while doing internship work. The student is responsible for this expense. Scholarships for the regular school term may be granted upon the basis of need and available funds. Students admitted to the MISSION/PREPARE Internship Program may make application for scholarships to the Department of Bible. The student is required to make a written report to the appropriate faculty advisor upon completion of an internship abroad. Scholarships for academic credit in approved field work will be granted only upon successful completion of this requirement.

Special projects of the MISSION/PREPARE Program also include a Missions Research Center and coordination of field survey trips, evangelistic campaigns, and HOPE.

**HOPE**

Students interested in Harding Outreach Program of Evangelism may write to the Director of Mission Prepare, Harding University, Searcy, Arkansas 72143.

**TIMOTHY CLUB**

The Timothy Club is sponsored by the Department of Bible. Regular attendance at Timothy Club meetings is required of all Bible and Bible-related majors.

**BACHELOR OF ARTS DEGREE**

**BIBLE AND RELIGION:** Major: Minimum of 37 hours (maximum of 49 hours), including 18 hours of upper-level work; at least 14 hours from the Textual Division, 6 of which must be upper-level; 12 hours from the Ministry and/or Religious Education Division, including 220 and 325; 3 hours from the Historical Division; 6 hours from the Doctrinal Division, including 352; 260; and one hour of field work. In addition to the 37 hours, Greek 171-172 and Missions 280 are required. A minor is required.

**BIBLE AND RELIGION (for women only):** Major: Minimum of 37 hours (maximum of 43 hours in Bible), including 18 hours of upper-level work; 14 hours from the Textual Division, 6 of which must be upper-level; 7 hours from the Ministry and/or Missions Division; 3 hours from the Historical Division; 5 hours from the Doctrinal Division, including 352; 260; 6 upper-level hours of approved substitutes; and one hour of field work. In addition to the 37 hours, one year of Greek or a modern foreign language and Missions 280 are required. A minor is required, and a second major is strongly recommended.

**BIBLICAL LANGUAGES:** Major: 34 hours of Greek and Hebrew including a minimum of 8 hours of Hebrew, 2 hours of Greek 471, and 16 additional upper-level hours in one or both languages. In addition, Bible 260, 325, 337, 343, and Missions 280 are required. A minor is required.

**MISSIONS:** Major: 64 hours, including 15 hours of Missions which includes 280; at least 19 hours from the Textual Division, 11 of which must be upper-level; 12 hours from the Ministry and/or Religious Education Division, including 220 and 325; 4 hours from the Historical Division; 6 hours from the Doctrinal Division, including 352; Anthro. 250; 3 additional hours of Anthropology or Philosophy 251; Bible 260; and one hour of field work. In addition to the 64 hours, one year of a modern foreign language or Greek, or a reading proficiency demonstrated by examination, is required. A minor is not required.

**RELIGIOUS EDUCATION:** Major: 65 hours in Bible, Greek, and Education, including Bible 101, 112, 220, 234, 260, 321, 325, 330, 331, 332, 335, 337, 341, 352, 402, 410; 8 hours of electives from the Textual Division; Missions 280; and one year of Greek. Educ. 203 and 320 may be included. A minor is not required.

**YOUTH MINISTRY:** Major: Minimum of 37 hours (maximum of 49 hours), including 18 hours of upper-level work; at least 12 hours from the Textual Division, 6 of which must be upper-level; 12 hours from the Ministry and/or Religious Education Division, including 325, 332, and 333; 3 hours from the Historical Division; 352; 260; one hour of field work; and 5 hours electives. In addition to the 37 hours above, Missions 280 and Greek 171-172 are required. A minor is required.

**MINISTRY (for non-Bible majors):** Major: Minimum of 32 hours (maximum of 38 hours in Bible), including 16 hours of upper-level work; at least 10 hours from the Textual Division, 6 of which must be upper-level; 3 hours from the Historical Division; 352; 10 hours from the Ministry and/or Religious Education Division; 260; 3 hours from the Missions Division; and Bible 117. A second major is required.

**BIBLE AND RELIGION:** Minor: 18 hours, 6 of which must be upper-level, with a minimum of 10 hours in the Textual Division and at least 2 hours from the Ministry or Religious Education Division and the Historical or Doctrinal Division.

**YOUTH MINISTRY (for non-Bible majors):** Minor: 18 hours, 6 of which must be upper-level with a minimum of 8 hours from the Textual Division and 6 hours from the Ministry and/or Religious Education Division, including 332 and 333.

**BIBLICAL LANGUAGES:** Minor: 22 hours of Greek and Hebrew, including Greek 171-172, Hebrew 176-177, and 6 hours of upper-level credit.

**MISSIONS:** Minor: Anthro. 250; 15 hours in Bible and Missions, including Bible 345; and at least 7 hours in Missions.

### BACHELOR OF SCIENCE DEGREE

**BIBLE AND RELIGION:** Major: 65 hours, including 19 hours from the Textual Division, 11 of which must be upper-level including 402 and 410; 18 hours from the Ministry Division, including 220 and 325; 8 hours from the Historical Division, including 341; 8 hours from the Doctrinal Division, including 351 and 352; 260; Missions 280; one hour of field work; History 430 or an approved history substitute; and Greek 171-172. A minor is not required.

#### TEXTUAL DIVISION

This curriculum division develops the student's understanding of the text of the Bible and its application to life situations.

##### Old Testament

#### 101. THE OLD TESTAMENT. (2) Spring.

A brief historical study of the Old Testament; selected books and passages are given special attention in order to learn the message of the Old Testament for its day and for today.

#### 303/503. JEWISH HISTORY: PENTATEUCH. (2 or 3) Fall.

History of the Jewish people from the beginning to the founding of the nation and their contribution to later civilization.

#### 304/504. JEWISH HISTORY: JOSHUA THROUGH ESTHER. (2 or 3) Spring.

History of the Jewish people from Joshua through Esther.

#### 305/505. EIGHTH CENTURY PROPHETS. (2 or 3) Fall.

A study of the writings of Amos, Hosea, Joel, Jonah, Micah, and Isaiah, with their social, religious, and historical settings and the importance of their message to that period and to present times.

#### 307/507. PROPHETS: JEREMIAH THROUGH MALACHI. (2 or 3) Spring.

A study of the writings of Jeremiah, Ezekiel, Obadiah, Nahum, Habakkuk, Zephaniah, Haggai, Zechariah, and Malachi, with their social, religious, and historical settings and the importance of their message to that period and to present times.

#### 308/508. HEBREW POETRY AND WISDOM LITERATURE. (2 or 3) Fall. Alternate years; offered 1986-87.

The Psalms, Proverbs, Song of Songs, Lamentations, Ecclesiastes and Job in the light of their historical backgrounds, especially the poetic and wisdom literature of the ancient Near East; their message for their day and for today.

#### 402/502. INTRODUCTION TO THE OLD TESTAMENT. (3) Fall. Alternate years; offered 1986-87.

A study of the historical background of the Old Testament; canon and text; the history of interpretation; introduction to the major divisions and the individual books of the Old Testament. Designed for Bible majors; others may enroll.

##### New Testament

#### 112. THE NEW TESTAMENT. (2) Fall.

A historical study of the beginnings of Christianity from the birth of the Christ to the close of the first century. Selected passages from the gospels, Acts and the epistles are studied to present Christ, His mission, His message, and His church as revealed in the New Testament.

#### 117. INTRODUCTION TO BIBLICAL LANGUAGES. (2 or 3) Spring.

A course designed to prepare the student to use Biblical languages in preparing for teaching, preaching, or personal study. For non-Bible majors and does not count toward a Biblical language major or minor.

#### 211. THE LIFE OF CHRIST. (2) Fall, Spring.

A study of the life of Christ as revealed in the synoptic gospels -- Matthew, Mark, and Luke.

#### 213. ACTS OF APOSTLES. (2) Fall, Spring.

Historical backgrounds, introduction, the founding and expansion of the early church, government, worship, work, and destiny of the church as presented in the text of Acts and related scriptures.

#### 311/511. I AND II CORINTHIANS. (2 or 3) Fall.

Historical backgrounds; introduction, the founding and expansion of the early church, problems and their solutions in the Corinthian church; study of the text of First and Second Corinthians.

#### 312/512. ROMANS. (2 or 3) Fall, Spring.

Introduction to the book and exegesis of the text.

#### 314/514. SELECTED LETTERS. (2 or 3) Spring.

First and Second Thessalonians, Galatians, First and Second Timothy, Titus; historical setting; introduction to each book with its individual features; common relations in setting, thought, and life; content; exposition of selected passages.

#### 315/515. PRISON LETTERS. (2 or 3) Fall.

Philippians, Ephesians, Colossians, Philemon; historical setting and introduction to each book with its individual features; common relations in setting, thought, and life; content; exposition of selected passages.

#### 316/516. GENERAL LETTERS. (2 or 3) Fall.

Epistles of James, Peter, John, and Jude; historical setting and introduction to each book with its individual features; common relations in setting, thought, and life; content, exposition of selected passages.

#### 317/517. GOSPEL OF JOHN. (2 or 3) Fall, Spring.

An in-depth study of the gospel of John. Special attention will be given to an introduction, critical problems, and content of the book.

#### 318/518. HEBREWS. (2 or 3) Spring.

Introduction to the book and exegesis of the text.

#### 319/519. DANIEL AND REVELATION. (2 or 3) Fall.

Historical setting, introduction, including apocalyptic pattern and message, content and exposition of selected passages.

410/510. INTRODUCTION TO THE NEW TESTAMENT. (3) Spring. Alternate years; offered 1986-87.

A study of the historical and cultural background of the New Testament; text and canon; introduction to the books of the New Testament. Designed for Bible majors; others may enroll.

#### MINISTRY DIVISION

This division focuses upon the development of skills which prepare the student for service in a broad array of practical ministry settings. A second major is available in this area for the non-Bible major.

220. INTRODUCTION TO THE WORK OF THE PREACHER. (3) Fall.

An introduction to the special work of the preacher in relationship to both God and man. Proper attitudes toward the scriptures and their application to the needs of people; the preacher's relationship to the elders, and other special groups in the congregation. An introduction to Biblical research, including use of library and preparation of a research paper. Open only to those preparing to preach.

320. HYMNOLOGY. (2 or 3) Spring. Alternate years; offered 1985-86.

Hebrew and Christian music hymn writers and hymns, and an evaluation of hymns adaptable to the worship of the church.

321. CHRISTIAN COUNSELING. (2 or 3) Spring.

A study of counseling needs in the church, identifying spiritual problems and their relationship to the scriptures by using a Biblical approach to counseling. A study of various counseling settings located in church settings.

322. CHRISTIAN LEADERSHIP. (2 or 3) Spring.

This course is designed for anyone who is interested in leadership in the local church. This course seeks to prepare men to serve as elders, preachers, deacons, and for any other leadership function as it relates to the local church. A careful study is made of the Biblical principles of Christian leadership. Instruction will be given on how to perform weddings, conduct funerals, minister to the sick and the dying, and other leadership functions.

323. CHRISTIAN WORSHIP. (2 or 3) Spring.

A study of how to insure spiritual experiences for the individual, the family, and the local church in worship. Special attention is given to the meaning and medium of worship, the relationship of worship to daily living, and improving leadership in worship, thereby enabling the worshipper to experience a meaningful response to God in a vital spiritual relationship.

324. PERSONAL EVANGELISM. (2 or 3) Fall, Spring.

A study of how to reach man with the gospel of Christ. Special attention is given to the evangelism of Jesus and of the early church. Consideration is given to the needs of man and how the gospel of Christ meets those needs. Primarily, this is a course in the principles of personal evangelism.

325. PREACHING. (3) Spring.

Materials, methods of preparation, and sermon construction according to the types of sermons. Special attention to practical application by class presentation and evaluation. For Bible majors; however, others are encouraged to enroll.

326. EXPOSITORY PREACHING. (2) Spring.

The development of the student's self-study skills in the preparation of expository sermons. Prerequisite: Greek 171-172. May be repeated.

327. FIELD WORK. (1-3) Offered on demand.

Field work in preaching will be done under the supervision of a faculty member or one approved by the department chairman. Before the field work experience begins, a written proposal must be submitted to the department chairman for approval.

328. ADVANCED PREACHING. (2) Fall, Spring. Alternate years; offered 1985-86.

Designed to strengthen preaching techniques. Various types of sermons will be presented by students. Additional study of contemporary preaching and audience response will be studied. Persuasive preaching is stressed. Prerequisite: 325.

#### RELIGIOUS EDUCATION DIVISION

This division focuses upon the development of skills and information needed in the ministry.

234. THE CHRISTIAN HOME. (2) Fall, Spring.

The Christian approach to selecting a marriage partner and living with that partner in permanent monogamy. A study of the Biblical principles bearing upon intra-family relationships. The family as an instrument of Christian service.

330. INTRODUCTION TO CHRISTIAN EDUCATION. (2 or 3) Fall. Alternate years; offered 1985-1986.

Carrying out the mission of the church through involving members in Bible classes, curriculum, V.B.S., as well as studying leadership principles, promotion ideas, training teachers, helping members find their ministry in the local church.

331. TEACHING CHILDREN. (2 or 3) Spring.

A course designed to train parents and Bible school teachers toward proper Christian nurture of children.

332. TEACHING YOUNG PEOPLE. (2 or 3) Fall.

The young people and their religious needs with a special emphasis on the methods and materials available to church school teachers.

333/533. YOUTH MINISTRY. (2 or 3) Spring. Alternate years; offered 1985-86.

A study of youth programs, youth ministry, with a special emphasis on the role of the youth minister.

334. YOUTH SEMINAR. (1) Offered on demand.

Special seminars available to the students. Will be taught by youth ministers presently working in the field. May be taken up to 4 times for credit.

337. FIELD WORK. (1-3) Offered on demand.

Field work in a local church setting under the supervision of a faculty member. Before the field work experience begins, a written proposal must be submitted to the department chairman for approval. This course may be repeated to total no more than 6 hours.

#### HISTORICAL DIVISION

This area of the curriculum is designed to help the student understand the diverse religious beliefs and practices of modern Christendom through a study of the historical roots of Christianity.

340. SURVEY OF CHURCH HISTORY. (2 or 3) Fall.

A survey of the history of the church from the close of the apostolic age to the present.

341/541. HISTORY OF THE RESTORATION MOVEMENT. (2 or 3) Spring. Alternate years; offered 1986-87.

A study of the restoration movement and of men and events which shaped this movement in American history.

342-542. BIBLICAL WORLD AND ARCHAEOLOGY. (2 or 3) Fall. Alternate years; offered 1985-86.

A historical and religious survey of world conditions in Biblical times with special attention to the social and religious condition in Palestine.

343/543. HISTORY OF THE ENGLISH BIBLE. (2 or 3) Fall.

A study of the literary production and transmission of the Bible with special attention to manuscripts, texts, and translations. A historical account of how the Bible has come to the English-speaking world.

344/544. HISTORY OF CHRISTIAN THOUGHT. (2 or 3) Spring. Alternate years; offered 1986-87.

The development of Christian thought from the sub-apostolic age to the present. Special attention will be given to outstanding leaders and major doctrines. Designed for Bible majors; others may enroll.

345. LIVING WORLD RELIGIONS. (2 or 3) Fall. Alternate years; offered 1986-87.

The history and basic teachings of Zoroastrianism, Buddhism, Hinduism, Confucianism, Taoism, Shintoism, Judaism and Islam.

#### DOCTRINAL DIVISION

This division focuses on the theological ideas of Christendom.

351. THE NEW TESTAMENT CHURCH. (2 or 3) Spring.

The nature, objectives, government, and work of the church in the first century.

352. PRINCIPLES OF BIBLICAL INTERPRETATION. (2 or 3) Fall.

How to study the Bible using principles of interpretation derived from the scriptures, the nature of language and the process of thought, a brief survey of interpretation.

353. GREAT THEMES OF THE BIBLE. (2 or 3) Spring. Alternate years; offered 1985-86.

A textual approach to the Bible doctrine of revelation, God, Christ, the Holy Spirit, man, the church, and eschatology.

The teacher will apply the scriptures to some current moral issues to help the student gain some Biblical insights to moral problems. For nurses and master's degree students; others must have consent of Bible Department Chairman.

**355/555. EVIDENCE OF CHRISTIANITY.** (2 or 3) Fall.

A study of the philosophical foundations of the Christian religion; arguments for and against the existence of God, the inspiration of the Scripture, and the deity of Christ.

**356. THE CHRISTIAN IN THE 20TH CENTURY.** (2 or 3) Fall, Spring.

A study of the current trends in modern Protestant and Catholic thought; the question of authority in religion; the origin, growth, beliefs, and characteristics of the modern cult movements; a brief study of modern social, ethical, and philosophical trends.

**RESEARCH DIVISION**

This curriculum division focuses on basic research techniques. These courses do not satisfy the institutional requirement for a Bible class.

**164. RESEARCH IN THE RESTORATION MOVEMENT.** (1) Offered on demand.

The student will be guided by the teacher through various historical sites involved in restorational studies. Prerequisite: consent of the department chairman. Fee: \$100.

**260. INTRODUCTION TO LIBRARY RESEARCH.** (1) Fall, Spring.

A systematic examination of major reference sources in various areas of Biblical and religious studies. Attention is given to the development of the student's research skills.

**361. RESEARCH IN TEXTUAL STUDIES.** (1-4) Offered on demand.

Individual study for the qualified student in the Textual Division. Prerequisite: Junior standing, minimum 3.00 G.P.A., consent of department chairman.

**363. RESEARCH IN MINISTRY.** (1-4) Offered on demand.

Individual study for the qualified student in the Ministry Division. Prerequisite: Junior standing, minimum 3.00 G.P.A., consent of department chairman.

**364. RESEARCH IN THE HISTORICAL DIVISION.** (1-4) Offered on demand.

Individual study for the qualified student in the Historical Division. Prerequisite: Junior standing, minimum 3.00 G.P.A., consent of department chairman.

**365. RESEARCH IN DOCTRINAL DIVISION.** (1-4) Offered on demand.

Individual study for the qualified student in the Doctrinal Division. Prerequisite: Junior standing, minimum 3.00 G.P.A., consent of department chairman.

**366. RESEARCH IN BIBLICAL LANGUAGES.** (1-4) Offered on demand.

Individual study for the qualified student in the Greek language. Prerequisite: Junior standing, minimum 3.00 G.P.A., consent of department chairman.

**367. RESEARCH IN THE MISSIONS DIVISION.** (1-4) Offered on demand.

Directed research and/or readings for a qualified advanced undergraduate student who is majoring or minoring in Missions. The research will be under the direction of the Director of Mission/Prepare and with the approval of the department chairman. Prerequisite: Junior standing with a minimum 3.00 G.P.A.

**BIBLICAL LANGUAGE DIVISION**

This division develops a functional knowledge of the languages of the Old and New Testaments.

**Greek**

**171-172. ELEMENTARY GREEK.** (4, 4) Fall, Spring.

Grammar and syntax of the Greek of the New Testament with emphasis on learning the basic inflections and vocabulary. Five class periods per week.

**271. THE GOSPEL OF JOHN.** (3) Fall.

Reading the Greek text, further study of grammar, attention to vocabulary, exegesis of selected passages. Prerequisites: 171-172.

**272. FIRST CORINTHIANS.** (3) Spring.

Translation of the Greek text, more intensive study of grammar, attention to the linguistic style of the author, exegesis of selected passages. Prerequisites: 172 and 271 or consent of department chairman.

**370. ROMANS.** (3) Fall. Alternate years; offered 1985-86.

Translation of the Greek text, more extensive study of grammar — moods, tenses, particles, style, exegesis of selected passages. Prerequisite: 271 and 272 or consent of department chairman.

**371. ACTS OF APOSTLES.** (3) Spring. Alternate years; offered 1986-87.

Reading selected passages from the Greek text, study of grammatical structure and style, exegesis of selected passages. Prerequisites: 271, 272 and 370 or consent of department chairman.

**372. I AND II TIMOTHY AND TITUS.** (2) Fall. Alternate years; offered 1986-87.

Reading and exegesis of the Greek text with emphasis on grammar and syntax. Prerequisites: 271 and 272 or consent of department chairman.

**373. JAMES, I AND II PETER, AND JUDE.** (2) Fall. Alternate years; offered 1985-86.

Translation of the Greek text, analytical and comparative study of grammatical construction and style, exegesis of selected passages. Prerequisites: 271 or 272 or consent of department chairman.

**374. INTERMEDIATE GREEK READINGS.** (3) Spring and Fall 1986.

Selected readings from portions of the Greek New Testament not covered in other courses with attention to grammar and exegesis. Course content and approach varied according to needs of students and discretion of instructor. May be taken two times for credit. Prerequisites: 271 and consent of department chairman.

**375. READINGS IN THE SEPTUAGINT.** (3) Spring. Alternates with 376; offered 1986-87.

Translation of selected portions of the Greek text with attention to the underlying Hebrew and to the Greek style and its significance for the New Testament. Prerequisites 271 and 272 or consent of the department chairman.

**376. HEBREWS.** (3) Spring. Alternates with 375; offered 1985-86.

Reading of the Greek text with concordial, contextual, lexical, grammatical, and historical study of selected words, terms, and phrases particularly characteristic of Hebrews. Prerequisites: 271 and 272 or consent of the department chairman.

**471. INDEPENDENT STUDY.** (1-4) Offered on demand.

Directed study or research with primary emphasis on meeting the needs of the individual student. Readings in Greek and Roman history and the development of Hellenistic culture. Prerequisite: 370, 371 or consent of department chairman.

**Hebrew**

**176-177. ELEMENTARY HEBREW.** (4, 4) Fall, Spring. Alternate years; offered 1985-86.

Elementary and essential principles of the Hebrew language and grammar, attention to vocabulary with special emphasis on the verb, exercises in reading and writing. Five class periods per week.

**275. INTERMEDIATE HEBREW READINGS.** (3) Fall. Offered on sufficient demand.

Readings in the Hebrew Bible, with special attention to vocabulary building. An introduction to textual criticism. Prerequisite: 177.

**MISSIONS DIVISION**

This division is designed to develop a worldwide mission concept and to train students to be more effective workers in other cultures through principles of practical anthropology and cross-cultural communications.

**280. INTRODUCTION TO WORLD MISSIONS.** (2 or 3) Fall.

Survey of world missions. General introduction to missionary methods and principles.

**381. MISSIONARY MESSAGE OF THE BIBLE.** (2 or 3) Spring. Alternate years; offered 1985-86.

An examination of the basic Biblical concepts which provide a foundation for missions. The development of a philosophy of Christian missions.

**382. HISTORY OF MISSIONS.** (2 or 3) Spring. Alternate years; offered 1985-86.

A survey of mission work from the second century to the present with special study of the work accomplished by the churches of Christ.

**383. MISSIONARY PREPARATION.** (2 or 3) Spring. Alternate years; offered 1986-87.

Motives for mission work. Examination of the field or relationship necessitating personal adjustment by the missionary. Relationship between the missionary and the church.

**384. PRINCIPLES OF CHURCH GROWTH.** (2-3) Spring. Alternate years; offered 1986-87.

A study of church growth concepts in the New Testament with special emphasis given to recent studies in the church growth movement.

**385. SEMINAR IN WORLD MISSIONS.** (2-3) Offered on sufficient demand.  
Course shall from time to time be offered to students interested in world evangelism during the special talents of visiting missionaries or other qualified personnel. A minimum of 15 students is required.

**387. FIELD WORK.** (1-3) Offered on demand.  
Field work will be done under the supervision of the faculty or one approved by the faculty in a mission field at home or abroad. Before the field work experience begins, a written proposal must be submitted to the department chairman for approval.

**388. COMMUNICATIONS IN MISSIONS.** (2 or 3) Fall. Alternate years; offered 1985-86.  
A study of the theory of communication, of problems of cross-cultural communications and of special relationships necessary for effective communications. Survey of types of communications effective on the mission field.

#### PHILOSOPHY

Philosophy courses do not count toward a Bible major or minor.

**251. INTRODUCTION TO PHILOSOPHY.** (3) Fall.  
A general survey of philosophical problems, methods of approach, modes of thought acquainting the student with various types of philosophy through a brief survey of representative philosophies.

**252. PHILOSOPHY OF RELIGION.** (3) Spring. Alternates with 253; offered on sufficient demand.

A philosophical approach to the study of religion with an emphasis on methods and problems. Special attention is given to the Christian religion in the light of philosophic thought.

**253. ETHICS.** (3) Spring. Alternates with 252; offered on sufficient demand.  
A study of principles and methods used in evaluating human conduct. An emphasis on the origin and development of the major views of the good life. Application of Christian ethics to modern problems.

#### APPROVED RELATED COURSES FOR JUNIORS AND SENIORS

The following courses may be taken by juniors and seniors who have already satisfied the eight-hour general education requirement in textual Bible courses as a substitute for the Bible course required each semester of each student enrolled in more than eight hours.

Upper-level textual Greek and Hebrew courses, mission courses, and philosophy courses.

Business 435 by majors in any area of the School of Business.

Physical Science 410 by senior B.S. science and mathematics majors and by senior B.A. science and mathematics majors who meet the qualifications for admission to the course.

Sociology 401 by Social Science majors.

#### DEPARTMENT OF BIOLOGICAL SCIENCE

##### PROFESSORS:

George W. Woodruff, Ed.D.  
Chairman  
Ward Bryce Roberson, Ph.D.  
Jack Wood Sears, Ph.D.

##### ASSOCIATE PROFESSORS:

Ronald Doran, M.S.  
Michael V. Plummer, Ph.D.  
William F. Rushton, M.A.

The Department of Biological Science is designed to meet the following objectives: to provide a basic knowledge of biological science as a necessary part of general education; to train teachers of biology; to equip students for graduate study; and to prepare students to pursue medicine, dentistry, nursing, medical technology and similar professions.

Biology majors may elect either the Bachelor of Arts or the Bachelor of Science program.

Major (Bachelor of Arts): 30 hours of biological science including 151, 152, 252, and 14 additional hours of upper-level work. In addition, Chem. 121-122, or 114-115 with a minimum grade of "C," must be completed. A minor is required.

Major (Bachelor of Science): A minimum of 32 hours of biological science, including 151, 152, 252, 315, and a minimum of 3 hours from each of the following divisions: Cell Biology and Physiology (271, 275, 276, 420, 421); Development (251, 263, 412); Systematics and Ecology (250, 311, 313, 343, 347, 352, 416); Chem. 121-122 and 301-302 or 271, 324; C.Sc. 211; Math. 301; Physics 201-202 or 211-212; and additional work to total 69 hours in these fields are required. In addition, Phy. Sci. 410 is required. One year of a modern foreign language is highly recommended.

Minor: 18 hours of biological science including 151, 152, 252, and 2 additional hours of upper-level work. Students certifying to teach high school biology must complete 24 hours of biological science or complete 6 hours of physical science in addition to the minor in biological science.

**111. BIOLOGICAL SCIENCE.** (3) Fall, Spring.  
A lecture course in the principles of biology for students not majoring in natural sciences. Emphasis is placed on a few major concepts rather than on a survey of the entire field. Areas covered in depth are (1) the nature of scientific investigation; (2) cellular biology; (3) genetics and development; (4) ecology and evolution. Three lectures per week. Satisfies the general education requirement in biology. Does not count toward a major or minor in biology or general science.

**151. PRINCIPLES OF BIOLOGY.** (4) Fall, Spring.  
Selected major concepts of biology are studied in this course which is designed for the science major. Areas covered include the nature of scientific investigation, cellular structure and function, energy transformations, the nature of the gene and its action, genetics, reproduction and development, systematics and evolution, and ecology. A prerequisite for most advanced biology courses. Three hours of lecture and three hours of laboratory per week.

**152. GENERAL ZOOLOGY.** (4) Fall, Spring.  
An intensive study of the animal kingdom with emphasis on taxonomy, morphology, and life histories to typical representatives of the animal phyla. Three lectures and one three-hour laboratory each week. Prerequisite: 151. Laboratory fee: \$10.

**150. MAN AND HIS ENVIRONMENT.** (3) Spring.  
A survey course designed to give the student a biological knowledge of the structure and function of ecosystems and man's influence on the environment. Three lectures and/or discussion groups per week. May be taken as upper-level credit by transfer students in place of Biology 111.

**151. VERTEBRATE MORPHOLOGY.** (4) Fall.  
The structure, function, and classification of the vertebrates. Three hours of lecture and three hours of laboratory per week. Prerequisite: 151.

**152. THE PLANT KINGDOM.** (4) Fall, Spring.  
An intensive study of the plant kingdom with emphasis on the taxonomy, morphology, and life histories of the major plant groups. Three lectures and three hours of laboratory per week. Prerequisite: 151. Laboratory fee: \$10.



**263. VERTEBRATE EMBRYOLOGY.** (4) Spring.

The fundamental facts and processes of development from germ-cell formation to the completed, free-living organism. Three hours lecture and three hours laboratory per week. Prerequisite: 151.

**271. MICROBIOLOGY.** (4) Fall, Spring.

An introduction to the biology of bacteria and certain other procaryotic and eucaryotic microorganisms and viruses that affect our everyday life; to the history of microbiology; to the techniques of studying, isolating, identifying, and controlling microorganisms; to epidemiology; to the physiological basis of disease, host resistance, and immunity; and to certain practical, medical, and industrial applications of microbiology. Approved by NAACLS for immunology content. Three lectures and three hours of laboratory per week. Prerequisite: Chem. 115 or 122.

**275. HUMAN ANATOMY AND PHYSIOLOGY.** (4) Fall, Spring.

The structure and functions of the human body and its various parts. Designed for majors in nursing, home economics, physical education, psychology, and secondary education with teaching emphasis in biology. Three lectures and three hours of laboratory per week. Prerequisite: 111 or 151 or Chem. 115 or 122 with a minimum grade of "C."

**276. HUMAN PHYSIOLOGY.** (4) Spring.

An in-depth study in physiology as it applies to the human organism. Special emphasis will be given in the areas of cell membrane transport and potential, the heart and circulation, body fluids and the kidneys with emphasis on electrolytes and pH, respiratory systems, gastrointestinal physiology and metabolism, and endocrinology and human reproduction. Extensive use of the physiograph will be made in the laboratory. Required of all nursing majors. Open to other majors if size of class permits. Prerequisite: 275 with a minimum grade of "C," and Chem. 115 or 122 with a minimum grade of "C."

**308/508. SCIENCE IN THE ELEMENTARY SCHOOL.** (3) Fall, Spring.

A course designed especially for elementary school teachers to introduce them to basic concepts of science and demonstrations that will illustrate fundamental principles of science. Although the emphasis is primarily on biological science, attention is given to physical science, especially in the areas of the earth sciences. Three hours of lecture, laboratory and field study per week. Laboratory fee: \$10.

**311. INVERTEBRATE BIOLOGY AND PARASITOLOGY.** (3) Spring. Alternates with 313; offered 1985-86.

The classification, morphology, life history and physiology of typical invertebrates except the insects. Attention is given to the parasites of man. Two hours lecture and three hours laboratory per week. Designed to complement 152 and 251. Prerequisite: 151. Laboratory fee: \$10.

**313. ENTOMOLOGY.** (3) Spring. Alternates with 311; offered 1986-87.

The structure, classification, life history, physiology and economic importance of insects with special reference to those of this region. Two hours lecture and three hours laboratory per week. Prerequisite: 152. Laboratory fee: \$10.

**314. SPECIAL TOPICS IN BIOLOGY.** (1-3).

Special topics in biology offered for one hour credit. Topics will be determined by the needs and interests of the students and the interest and availability of instructors. Fifteen hours of class per week over 3-5 weeks. A weekend field trip may be required. Prerequisite: Junior standing.

**315/515. GENETICS.** (3) Fall.

Facts and principles of heredity as applied to living organisms. Molecular genetics, microbial genetics, inheritance, variation and selection will be emphasized. Three lecture-demonstrations per week. Prerequisite: 111 or 151.

**343/543. GENERAL ECOLOGY.** (4) Fall.

An in-depth study of the fundamental concepts and theories of ecology. Laboratory and field work are designed to familiarize the student with some basic methods of ecological research. Three lectures and three hours of laboratory or field work per week. Prerequisite: 151. Laboratory fee: \$10.

**345/545. FIELD STUDIES.** (1-6) Offered on sufficient demand during summer or school recess.

An extended field trip designed to acquaint the biology major with various natural ecosystems. Biogeographical report on area to be visited required prior to trip and a copy of trip journal must be submitted to instructor by each student. One week of field work required for each hour of credit. Prerequisites: 152, 252, junior standing, and consent of the instructor. All trip expenses will be prorated among the participants.

**347/547. NATURAL HISTORY OF THE VERTEBRATES.** (4) Spring. Alternates with 416/516; offered 1985-86.

A study of fish, amphibians, reptiles, birds, and mammals which emphasizes the systematics, distribution, adaptations, ecology, and behavior of recent forms. Laboratory work involves identification, observation and collection techniques, and problem solving activities. Three hours of lecture and three hours of laboratory or field work per week. Prerequisite: 151. Laboratory fee: \$10.

**352/552. PLANT TAXONOMY.** (4) Spring. Offered alternate years; offered 1986-87.

A study of the history and basic principles of plant taxonomy. Laboratory work will stress the structural characteristics of vascular plant families and the use of field manuals in identifying components of the local flora. Three lectures and three hours of laboratory or field work per week. Prerequisite: 252. Laboratory fee: \$10.

**410/510. BIOLOGICAL TECHNIQUES.** (2) Fall, Spring.

A practical laboratory course designed to acquaint the student with the various instruments and techniques used in teaching and research in biology. Topics will be selected from microscopy, electrophoresis, physiography, chromatography, collecting and preserving plants and animals, preparation of slides and scientific illustration. Registration restricted to biology majors and minors and to general science majors with an emphasis in biology. Prerequisite: Written consent of the instructor.

**412. INTRODUCTION TO VERTEBRATE HISTOLOGY.** (2) Spring.

A study of the relationships between structure and function at the tissue and cellular level including some study of ultrastructure. Laboratory recognition of organs, organ parts and tissues of selected vertebrates will be stressed. One lecture and two hours of laboratory per week. Prerequisite: 251 or consent of department chairman.

**416/516. HERPETOLOGY.** (3) Spring. Alternates with 347/547; offered 1986-87.

The morphology, systematics ecology, behavior, and distribution of amphibians and reptiles. Two lectures and three hours of laboratory or field work per week. Prerequisite: 151. Laboratory fee: \$10.

**420/520. CELLULAR PHYSIOLOGY.** (3) Spring.

An intensive study in physiology primarily at the cellular level with topics being selected from the following areas: the functional organization of the cell, the cellular environment; cellular membranes, transport, irritability, and contractibility; and cellular energy and matter conversions. Three lectures. Must be taken concurrently with 421 unless credit is being earned in Chem. 325. Prerequisites: 151 and Chem. 301.

**421/521. CELLULAR PHYSIOLOGY.** (1) Spring.

A laboratory course designed to study physiology and biochemistry at the cellular level. Must be taken concurrently with 420 unless credit has been or is being earned in Chem. 325. Laboratory fee: \$30.

**480. RESEARCH.** (1-4) Fall, Spring. Offered on demand.

A research participation course designed for the capable advanced undergraduate student who is majoring in biology or in general science with an emphasis in biology. The research will be under the supervision of a competent staff member. The student should enroll in this course for at least two successive semesters. A research paper will be required. Prerequisites: Junior standing with a grade point average of 3.00 or higher in the major field; written consent of the department chairman and of the staff member who will supervise the research.

**490. READINGS IN BIOLOGY.** (1-3) Offered on demand.

An independent study or tutorial course for biology majors to fill any deficiencies in their backgrounds. Registration restricted to biology majors and to general science majors with an emphasis in biology. Prerequisite: Written consent of the chairman of the department.

## DEPARTMENT OF COMMUNICATION

**PROFESSORS:**

Evan Ulrey, Ph.D.

Chairman

John Ryan, Ph.D.

Richard W. Walker, Ph.D.

ASSOCIATE PROFESSOR:  
Patrick Garner, Ph.D.

ASSISTANT PROFESSORS:  
Louis Butterfield, Ed.S.  
Morris Ray Ellis, M.A.  
C. Robin Miller, M.A.  
\*Daniel C. Tullos, M.C.D.  
Rebecca Weaver, M.C.D.

ASSOCIATE INSTRUCTOR:  
Michael L. James, B.S.

Assisting from other departments:  
PROFESSOR:

Dennis M. Organ, Ph.D.

ASSOCIATE PROFESSOR:  
Betty Thornton Ulrey, M.Ed.

\*On leave of absence 1984-86.

Communication and information exchange continue to occupy significant positions in world affairs. There is increased need for skilled communicators in all segments of society: in government, politics, business, and the church. All graduates of Harding University must have completed a basic course in oral communication.

The Department of Communication offers majors in four general areas: Oral Communication, Communication Disorders, Theater and Theater Management, and Mass Communication (Advertising, Print Journalism, Public Relations, and Radio-Television).

Students may certify to teach oral communication at the secondary level or gain the necessary educational preparation for graduate study in any of the areas of communication which are offered.

### MAJORS AND MINORS IN COMMUNICATION

**ORAL COMMUNICATION:** Major: 35 hours including Com T 204, Com D 250, Com 0 210, 211, 255, 260, 261 or 263, 262, 271 272, and 405; Com M 201 or 251 and 410. Majors must earn credit in at least two semesters of co-curricular practicum courses numbered Com 0 151, 161, 171, and 270; Com T 131; Com M 141 and Com D 300. A minor is required.

Minor: 18 hours including Com 0 210, 211, 260, 262 or 263, 271; Com T 204 or Com 0 255; Com D 250 or Com 0 405; and one hour from Com T 131, Com M 141, Com 0 151, 161, 171 or 270.

Minor: (for Bible majors): 18 hours including Com 0 210, 211, 255, 260 or 261, 262 or 263, 271, 272, and Com M 351.

Major: (for secondary school teachers): 39 hours of communication including Com 0 210, 211, 255, 260 or 261, 271, 262, 263, and 405; Com M 201 or 251 and 410; Com T 204, 206, and 310, and three semesters of co-curricular practicum courses in at least two areas from Com T 131, Com M 141, Com 0 151, 161, 171, 271 or 272 or Com D 300.

**THEATER:** Major: 65 hours including Art 103 or 104, 200 and 375; Eng. 371; Com T 121, 131, (2 hours), 204, 206, 306, 308, 310, 311, 312, 352; Com 0 211, 255, 260 or 262, 261, 271, and 405; Com M 251 and 410 and three additional hours from Eng. 350, Com 0 161, 210, 263 or 315; Com M 201, 351 or 370. It is recommended that the student elect P.E. 127 for one of his P.E. activity courses in general education. A minor is not required.

Minor: 18 hours including Com T 121, 131, 204, 206; Com 0 211 and/or 255; and additional electives from Com T 306, 308, 310, 311, or 312.

**THEATER MANAGEMENT:** Major: 65 hours including Accounting 205, 306; Mgt. 368, Mkt. 330, Bus. 315 and C.Sc. 211 or CIS 214; Com M 141, 201, 251, 280, 303, 322, 323, 371, 372, and 396; Com T 131 (2 hours), 204, 206, 310 and 450 (projects in management); Com 0 210, 260 or 262. Students majoring in Theater Management should elect Economics 201 as one of the social science requirements in general education.

**COMMUNICATION DISORDERS:** Major: 60 hours including Biol. 111, 275, Educ. 307, 336, 407 and 3 additional hours elected from 303, 409 or 414; Com 0 210 or 255, 211 (3 hours), 260 or 261 and 405; Com D 250, 252, 254, 300 (2 to 4 hours), 400, 401, 402, 403, 404 and 420. Majors must enroll in Com D 300 each semester they are involved in clinical services. All general education courses required for secondary school certification must be met by course credit: Educ. 203 (in lieu of Psy. 201), Hist. 101, Health Ed. 203 and 3 hours of P.E. activity, 3 hours of Mathematics, Pol. Sc. 205 and Soc. 203. Majors must gain admission to the teacher education program and to the supervised clinical practice course. A minor is not required. An undergraduate major in communication disorders is a necessary step toward certification by the American Speech-Language-Hearing Association. Students receive their instruction under ASHA certified speech pathologists.

### MAJORS AND MINORS IN MASS COMMUNICATION

Four areas of concentration are available for students in mass communication: (1) print journalism, (2) radio-television, (3) advertising, and (4) public relations. A basic core of courses relevant to all four areas of concentration gives the student the necessary information and skills common to all of the areas.

Students pursuing degrees in mass communication are encouraged to maximize practical training along with academic instruction. Work on the campus radio station KHCA, the student newspaper **The Bison**, and the yearbook **The Petit Jean**, is available to students in mass communication. In the junior or senior year all majors are expected to complete an internship or an independent study in their area of concentration. The student will work a specified number of hours in cable, commercial or public radio and television facilities, or in firms specializing in advertising, public relations, and print journalism.

All students majoring in mass communication are required to take Business 105 or pass a 40 words per minute typewriting speed test under

the supervision of the School of Business.

## 1985-1986 Harding University Catalog

**ADVERTISING:** Major: 65 hours, including Art 249, 250; Com M 141, 142, 201, 220, 231, 251, 280, 303, 322, 370 or 371 or 372, 410, 441; Mkt. 330 and 335 or 337; Pol. Sci. 435; Soc. 355; Bus. 255 or Pol. Sci. 254 or Psy. 325 or Soc. 325; and 13 hours elected from Art 200, 345, 352, 365; Bus. 435; Com M 302, 305, 351, 370, 371, 372, 394, 396; C.Sc. 211, Mkt. 335, 336, 337. Students majoring in Advertising should elect Econ. 201 and Soc. 203 in general education requirements in social science. A minor is not required.

**RADIO-TELEVISION:** Major: 65 hours including Art 249; Pol. Sci. 435; Pol. Sci. 254 or Bus. 255 or Psy. 325 or Soc. 325; Com 0 211, 255, 260 or 261, 271, 262; Com T 311; Com M 141 (2 hours), 201, 220, 231, 251, 280, 303, 351, 370, 371, 372, 409, 410 and 441. A minor is not required. Students majoring in Radio-Television should elect Econ. 201 and Soc. 203 in general education requirements in social science.

Minor: 19 hours including Com M 141, 201, 231, 251, 280, 303 and 410.

**PRINT JOURNALISM:** Major: 35 hours including Com M 142, 143, 201, 220, 231, 301, 302, 322, 323, 410, 415, 441 and Pol. Sci. 435.

Minor: 18 hours including Com M 201, 231. Students certifying to teach journalism in high school must complete a minimum of 24 hours in mass communication, including 142, 201, 231, 301, 302, 323.

**PUBLIC RELATIONS:** Major: 66 hours including Art 249; Pol. Sci. 435; Pol. Sci. 254 or Bus. 255 or Psy. 325 or Soc. 325; Mkt. 330; Soc. 355; Com 0 260, 262; Com M 141, 142 or 143, 201, 220, 231, 251, 280, 302, 303, 322, 323, 351, 394, 396, 410, 415 and 441 or 450. A minor is not required. Students majoring in Public Relations should elect Econ. 201 and Soc. 203 in general education requirements in social science.

### ORAL COMMUNICATION (Com 0)

**101. BASIC SPEECH COMMUNICATION.** (3) Fall, Spring.

Instruction and practice in the theory and skills of public and interpersonal communication, the organization and delivery of short speeches, reading aloud in public, group discussions, critical listening, and evaluation. Does not count toward a major or minor in communication.

**151. BEGINNING INTERCOLLEGIATE DEBATING.** (1) Fall, Spring.

Credit may be earned for satisfactory participation in intercollegiate debate competition. The course may be taken two times for credit. Prerequisite: Consent of the debate instructor.

**161. ORAL INTERPRETATION PRACTICUM.** (1) Fall, Spring.

Credit may be earned for adaptation and production of dramatic and nondramatic literature for public representation in an ensemble program or lecture recital. The course may be taken two times for credit. Prerequisite: 255 and consent of the director.

**171. FORENSICS PRACTICUM.** (1) Fall, Spring.

Credit may be earned for satisfactory participation in intercollegiate individual events. This course may be taken two times for credit. Prerequisite: Consent of the forensics instructor.

**210. PUBLIC COMMUNICATION.** (2) Fall, Spring.

Preparation, delivery, and critical evaluation of prepared speeches. Prerequisite: 101 or consent of instructor.

**211. VOICE AND ARTICULATION.** (2-3) Fall, Spring.

The use of the normal voice, disorders of the voice, identification of articulation and pronunciation problems, including methods of working with voice disorders. Speech therapy majors must enroll for 3 hours credit and will spend 2 additional hours each week dealing with articulation disorders and therapy techniques.

**185. ORAL INTERPRETATION OF LITERATURE.** (3) Fall.

Analysis and oral presentation of the various literary genres, including the essay, prose fiction, poetry and drama.

**186. INTERPERSONAL COMMUNICATION.** (3) Spring. Alternates with 262; offered 1986-87.

Elements and contexts of interpersonal communication, including self-concept, verbal and nonverbal behavior, conflict, feedback, feelings, and perceptions of others in interpersonal contexts such as small groups and across cultures.

**181. NONVERBAL AND CROSS-CULTURAL COMMUNICATION.** (3) Fall. Alternates with 183; offered 1985-86.

A study of the major aspects of and the variables affecting nonverbal communication with special emphasis upon the cross-cultural contexts of nonverbal behavior.

**182. SMALL GROUP AND ORGANIZATIONAL COMMUNICATION.** (3) Spring. Alternates with 260; offered 1985-86.

Theories and methods of group problem solving and of organizational communication.

**183. ARGUMENTATION AND PERSUASION.** (3) Fall. Alternates with 261; offered 1986-87.

Theory and practice of argumentation and persuasion, including research, the brief, cognitive and affective aspects of persuasion; argument, evidence, and motivation.

**178. ADVANCED INTERCOLLEGIATE DEBATING.** (1) Fall, Spring.

Credit may be earned for satisfactory participation in intercollegiate debate competition. The course may be taken two times for credit. Prerequisite: one year of satisfactory participation in intercollegiate debate.

**171. PARLIAMENTARY LAW.** (1) Spring.

Study and practice of the principles of parliamentary procedure as they apply to the conduct of all types of business and professional meetings.

**171. PROFESSIONAL INTERVIEWING PRACTICUM.** (1) Fall, Spring.

Study of the philosophy and techniques of interviewing procedures. Training in preparation for and in the conducting of interviews.

**111-115. SPEECH IN THE ELEMENTARY SCHOOL.** (3) Fall, Spring.

A study of teacher and student communicative roles with particular attention to speech activities such as dramatics, oral reading, speech improvement, and phonetics.

**100-105. PHONETICS.** (3) Fall.

General phonetic principles and practice. Regional dialects of America (general American, southern, and eastern); also standard British or stage speech. Prerequisite: 211 or consent of instructor.

**190-190. INDEPENDENT STUDY.** (1-3) Offered on demand.

Independent research in oral interpretation, communication theory, rhetoric and public address, phonetics, or speech education. May be repeated for a maximum of 6 hours total credit at each level. Prerequisite: consent of department chairman.

### THEATER (Com T)

**111. INTRODUCTION TO ACTING.** (3) Fall. Alternates 310; offered 1986-87.

Lecture-laboratory in acting methods and techniques.

**131. THEATER PRACTICUM.** (1) Fall, Spring.

Credit may be earned for participation in department productions on the Harding stage. The course may be taken two times for credit. Prerequisite: consent of the director.

**104. INTRODUCTION TO THE THEATER.** (3) Fall. Alternates with 206; offered 1985-86.

Orientation to the theory and practice of theater arts, including a survey of productions, plays, direction and personnel. Management of theater programs for children, high school, college and commercial theater. Includes a study of current theater management procedures.

**106. TECHNICAL THEATER PRODUCTION.** (3) Fall. Alternates with 204; offered 1986-87.

Basic theory and practice in technical production and organization including purchasing, source of materials, and budgeting as well as instruction in tool use, construction procedures, basic lighting techniques, sound equipment, costume shop procedures and stage management.

**106. CONTEMPORARY DRAMA IN PERFORMANCE.** (3) Spring. Alternates with 308; offered 1986-87.

Plays for the modern stage. Reading, analysis, and approach to performance of plays, including study of possible production approaches to each. Prerequisites: 121 and 204 or consent of the instructor.

**308. THEATER HISTORY.** (3) Spring. Alternates with 306; offered 1985-86.  
General study of the rise and development of the western theater: Classical period to Ibsen. Reading representative plays coordinated with study and development in the physical theater, with staging and with the roles of actor and director. Prerequisite: 204 or consent of the instructor.

**310. PLAY PRODUCTION.** (3) Fall. Alternates with 121; offered 1985-86.  
Lecture-workshop in selecting, analyzing, staging, and producing plays. Includes student production of short plays. Prerequisites: 204 and 206 or consent of instructor.

**311. LIGHTING AND MAKE-UP FOR TELEVISION AND THE STAGE.** (3) Spring. Alternates with 312; offered 1986-87.  
A study of instrument selection, lamping, electrical control, color media plotting and design layout. Includes practical aspect of hanging and operating lights for TV and stage productions. Make-up involves principles and application of make-up. Three class periods and one hour laboratory per week.

**312. COSTUME AND SCENE DESIGN.** (3) Spring. Alternates with 311; offered 1985-86.  
A study of form and style and the use of elements of design for the stage. Requires the execution of sketches, technical drawings, and renderings or models of costumes and set designs for varying styles and historical periods to give the student a breadth of experience in research, design, and technique. Three class periods and one hour laboratory per week.

**352/552. INTERPRETERS THEATER.** (3) Offered on sufficient demand.  
A study of the theory and techniques of group presentation of dramatic and nondramatic literature. Adaptation of material, casting, rehearsing, directing, and production of interpreters theater scripts. Emphasis on analysis and criticism of the literature and on program building. Prerequisite: Com 0 255 or consent of instructor.

**450/550. INDEPENDENT STUDY.** (1-3) Offered on demand.  
Independent research in acting, directing, technical theater and other relevant topics in theater. May be repeated for a maximum of 6 hours total credit in any area. Prerequisite: consent of department chairman.

#### COMMUNICATION DISORDERS (Com D)

**250. INTRODUCTION TO COMMUNICATION DISORDERS.** (3) Fall.  
A survey of common speech, language, and hearing disorders with emphasis on causation and management. A laboratory period is required. Speech therapy majors must also enroll concurrently in 252.

**252. DIAGNOSTIC PROCEDURES AND EDUCATIONAL PROGRAMMING IN COMMUNICATION DISORDERS.** (1) Fall.  
Current diagnostic methods for principal pathologies of speech and language. The use and preparation of "Individual Educational Programs" in the public school speech therapy program. Speech therapy majors must also enroll concurrently in 250.

**254. LANGUAGE DISORDERS.** (3) Spring. Alternate years; offered 1986-87.  
Identification and remediation of language problems: developmental, aphasia, delayed language, environmental deprivation, mental retardation, and brain injury. Prerequisite: 250.

**300. COMMUNICATION DISORDERS PRACTICUM.** (1) Fall, Spring.  
Laboratory in speech correction. Clinicians must enroll in this practicum each semester they are engaged in providing clinical services. The course may be taken four times for credit. Prerequisite: 250.

**400/500. ADVANCED SPEECH CORRECTION.** (3) Spring. Offered in speech therapy block.  
Identification and correction of more involved types of speech abnormalities: aphasia, cleft palate and cerebral palsied speech, and stuttering. Prerequisite: 250 or equivalent. Fee \$11.

**401/501. VOICE SCIENCE.** (3) Fall. Alternates with 402/502; offered 1986-87.  
A study of the anatomy, physiology, and acoustics of voice production.

**402/502. AUDIOLOGY.** (3) Fall. Alternates with 401/501; offered 1985-86.  
A study of the process of hearing, of tests for impaired functions of the ear, and of rehabilitation of the aurally handicapped. Supervised practice in testing hearing. Prerequisite: 250.

**403/503. PSYCHOLOGY OF LANGUAGE DEVELOPMENT.** (2) Offered in speech therapy block.  
A study of normal and delayed language development; the foundation and functions of language in individual and group social behavior; communicative systems and facilities; research data and major theories as a basis for successful therapy. Prerequisite: 250.

**404/504. AURAL REHABILITATION.** (3) Spring. Offered in speech therapy block.  
A study of the handicap of hearing impairment with its habilitation and rehabilitation. Attention will be given to signing, auditory training and speech reading. Speech conservation, counseling and the use of amplification will also be studied. Prerequisite: 250.

**400. SUPERVISED CLINICAL PRACTICUM.** (6) Spring.  
A minimum of eight weeks of full-time clinical experience in an approved speech therapy clinic. Prerequisites: 250, 300 (2 hours), 400, 401, 402, and formal admission to the clinical experience program. Fee: \$50.

**400/350. INDEPENDENT STUDY.** (1-3) Offered on demand.  
Independent research in various areas of communication disorders: stuttering, articulatory disorders, speech and hearing rehabilitation, etc. May be repeated for a maximum of 6 hours total credit in any area. Prerequisite: consent of department chairman.

#### MASS COMMUNICATION (Com M)

**341. RADIO AND TELEVISION PRACTICUM.** (1) Fall, Spring.  
Credit may be earned for staff work on the University radio or TV facility. Basic equipment operation and production techniques will be learned from "hands on" experience. The course may be taken three times for credit. A student's initial enrollment must be in radio.

**342. STUDENT PUBLICATIONS PRACTICUM — Newspaper.** (1) Fall, Spring.  
Participation in staff duties or other assignments for student newspaper. Open to majors and nonmajors, but no more than two hours credit may be obtained in 142 and/or 143. Prerequisite: Consent of faculty advisor.

**343. STUDENT PUBLICATIONS PRACTICUM — Yearbook.** (1) Fall, Spring.  
Same as for 142 except work is on yearbook. Prerequisite: Consent of faculty advisor.

**344. INTRODUCTION TO MASS COMMUNICATION.** (3) Spring.  
Investigation and analysis of the theories of mass communication systems in the United States. Emphasis on the uses and future of all types of mass media and investigation of career options.

**346. PHOTOGRAPHY.** (3) Fall.  
The fundamentals of still, cinema and video photography, developing and printing, enlarging, use of photographic equipment and standard techniques are studied by lecture and laboratory work. Fee: \$21.

**347. BASIC NEWS.** (3) Fall.  
Fundamentals of gathering and writing news and advertising for the mass media. Exercise in writing mechanics, news style and news value.

**348. INTRODUCTION TO BROADCASTING.** (2) Fall. Alternates with 351, offered 1985-86.  
An introduction to the history, development, structure, and impact of broadcasting in the United States. Intended for all prospective majors and nonmajors interested in attaining an educated layman's knowledge.

**340/540. PUBLIC RELATIONS PRINCIPLES.** (3) Fall.  
An examination of the basic principles and philosophies underlying public relationships, followed by a study of current policies, methods, and media employed by industrial, business, educational, and social organizations.

**349. REPORTING.** (3) Fall, Spring.  
Advanced practice in gathering and writing specialized types of news for print media. Prerequisite 231.

**342. EDITING.** (3) Spring.  
Preparation of copy for print media, copyreading, headline writing, desk work, and page makeup. Attention is given to news values, reader interest, promotion techniques and editorial problems. Special consideration is given to editorial practices of small town dailies and weeklies.

**343. ADVERTISING.** (3) Spring.  
Advertising methods and media; problems in selling and the psychology of advertising. Special attention to newspaper and magazine techniques, to mechanics and layout, and to direct mail methods.

**345. PUBLICATIONS PHOTOGRAPHY.** (2) Spring.  
Attention is given to the special problems of news coverage by camera, magazine illustration, and communication through the printed photograph. Picture quality, production techniques, and picture editing are emphasized. Prerequisite: 220 or equivalent. Fee \$21.

322/522. **TYPOGRAPHY AND GRAPHIC ARTS.** (3) Fall. Alternates with 372; offered 1985-86.

Principles of graphic presentation and printing mechanics. Types and type families, legibility, spacing, harmony, contrast and use of color as they affect the functional design of printed matter.

323/523. **ARTICLE WRITING.** (3) Spring.

Extensive practice in preparation and marketing of feature articles for use in magazines and newspapers. Attention is given to selection of topics, information gathering, and writing style and organization.

351. **RELIGIOUS APPLICATIONS OF MEDIA.** (3) Fall. Alternates with 251.; offered 1986-87.

Principles and practice of adapting religious messages to the electronic and print media. Prerequisite: 251.

370. **RADIO AND TELEVISION PROGRAMMING.** (3) Fall. Alternates with 372; offered 1986-87.

Analysis of the programming function of radio and television broadcasting. Programming philosophies of commercial and public agencies will be investigated in light of governmental and industry standards. The relationship of programming to total station operation will be evaluated. Emphasis will be placed on the uses of programming and some alternatives to present practice. Prerequisite: 251 or consent of instructor.

371. **RADIO PRODUCTION AND WRITING.** (3) Spring. Alternates with 409; offered 1986-87.

The creation of programs for radio: writing, directing, acting, and effective use of equipment. Application of critical standards to the creative process. Prerequisite: 251 or consent of the instructor.

372. **TELEVISION PRODUCTION AND WRITING.** (3) Fall. Alternates with 370; offered 1985-86.

The basic elements of television production and writing. Includes "hands on" experience with cameras, audio, lighting, graphics, editing, production, and direction. Work with the campus cable Channel 12 will be utilized.

394/594. **PUBLIC RELATIONS CASE STUDIES.** (2) Spring. Alternate years; offered 1986-87.

A study of public relations ethics, writing, media relations, and case studies.

396/596. **PUBLIC RELATIONS CAMPAIGNS.** (2) Spring. Alternate years; offered 1985-86.

Planning and preparation of publicity material for various media; application of public relations techniques; study of current public relations campaigns.

409/509. **ADVANCED TELEVISION DIRECTION AND PRODUCTION.** (3) Spring. Alternates with 371; offered 1985-86.

Scripting, producing, and directing features, specials, documentaries, and other advanced projects. Includes editing and production techniques. Practical knowledge is gained by working with the campus cable Channel 12. Prerequisite: 372.

410/510. **RHETORICAL AND COMMUNICATION THEORY.** (3) Spring.

Introduction to ancient and modern theories of communication. Includes investigation and analysis of major accounts of the nature and practice of communication.

415/515. **THE PRESS AND SOCIETY.** (3) Fall. Alternates with 322; offered 1985-86.

Background of the American press; examination of problems of editorial freedom, ethics of the press, propaganda, public opinion, and the place of the press in a democratic society.

441-444/541-544. **INTERNSHIP IN ADVERTISING, PRINT JOURNALISM, PUBLIC RELATIONS, AND RADIO-TELEVISION.** (3) Offered on demand.

Supervised in a commercial or educational setting. Designed to give the student an opportunity for observation and practice of fundamentals in a professional setting.

450/550. **INDEPENDENT STUDY.** (1-3) Offered on demand.

Individual study or research on selected topic of interest to the senior major or graduate student in any of the four areas of mass communication. May be repeated for a maximum of 6 hours credit in any area.

## COOPERATIVE EDUCATION

### DIRECTOR:

Winfred O. Wright, Dr. de l'Universite

Students desiring to obtain practical experience while helping finance their education should investigate Harding's cooperative education pro-

1985-1986 Harding University Catalog

Students who meet the academic and personal qualifications for this program will be expected to complete at least two work assignments during the sophomore, junior, and senior years. Students may pursue either an alternating plan of full-time work or a parallel plan of half-time work while enrolled in other classes. A maximum of 4 hours of elective credit in cooperative education will be accepted for students transferring from a community college or other institution which grants credit for work assignments during the sophomore year. A maximum of 6 hours will be accepted in transfer if at least 2 hours were earned after the sophomore year.

267. **COOPERATIVE EDUCATION PROJECT.** (2-3) Offered on demand.

Academic credit granted for a special project conducted in connection with a cooperative education work experience under the supervision of a faculty member assigned by the chairman of the department of the student's major field. The project will include written and/or oral reports and an assessment of the educational value of the work experience. A maximum of 6 hours of credit may be earned through two or more work experiences. If a given department decides that the work experience and concurrent study project merit credit in the major field, the department chairman may request the Vice President for Academic Affairs on behalf of juniors and seniors, prior to the completion of the work project and reporting of grades to the Registrar, to approve department credit; for example, Mathematics 267 or Sociology 267. Prerequisite: Sophomore standing and joint approval of the department chairman and Director of Cooperative Education.

## DEPARTMENT OF ENGLISH LANGUAGE AND LITERATURE

### PROFESSORS:

Dennis M. Organ, Ph.D.

Chairman

Duane McCampbell, Ph.D.

### ASSOCIATE PROFESSORS:

Alice K. Jewell, M.A.

Larry Long, Ph.D.

Charles Pittman, M.A.

Betty Thornton Ulrey, M.Ed.

Eugene Underwood, Ed.D.

Edward White, M.A.

### ASSISTANT PROFESSOR:

Rodger Lee Brewer, M.S.

Assisting from other departments:

### PROFESSOR:

Dorothy S. Wright, Dr. de l'Universite

### ASSOCIATE PROFESSOR:

Betty Work Watson, M.A.

### ASSISTANT PROFESSOR:

Bill Lambert, M.A.

The purpose of the Department of English is to assist the students in developing habits of logical thinking and effective expression and to lead them to an appreciation of the creative mind. Literature is treated not merely as artistic expression but also as a progressive development of

human culture, thought, and ideals. By relating to the thinking and the highest achievement of the past, the students can lay a foundation for understanding their present culture and for grasping the means by which the minds of men have broadened with the passing of each age.

Major: 34 hours, including 231, 251, 252, 271, 272, 281, 371, one additional course in American literature numbered 300 or higher and two additional courses in British literature numbered 300 or higher, and 6 hours of electives in English numbered 200 or higher.

Majors certifying to teach must take 322, which will count as 3 of the elective hours. In addition, two years of modern foreign language study are required of majors not certifying to teach and one year of a modern foreign language is required of majors certifying to teach.

Minor (required of those certifying to teach English): 24 hours, including 251, 252, 271, 272, 281, 322, and 6 hours of elective work in English numbered 200 or higher. English 231 is highly recommended.

Minor (if not certifying to teach English): 18 hours, including 103, 201, 202, and 6 hours of upper-level work.

All students preparing to teach in elementary and secondary schools must satisfactorily complete six hours of English 102-103-104 or the equivalent.

For students certifying to teach English, 281 is accepted in lieu of 104. A grade of at least "C" in each course is required for admission to the Teacher Education Program.

For high school teachers of English, a modern foreign language minor or second teaching field is very useful. Since high school teachers of English are often expected to coach debate and to supervise the student newspaper or yearbook, Com O 151, 263 and Com M 142, 143 are also desirable electives. Com O 255 is also a useful elective for prospective English teachers.

**102. GRAMMAR AND COMPOSITION.** (3) Fall, Spring.  
Required for students who have no credit in college composition and who scored 17 or below on the ACT English examination; this course emphasizes grammar and mechanics and introduces basic writing skills. Not open to students who have earned credit in 103 or who achieved a score of 18 or higher on the ACT English examination except by permission of the Chairman of the English Department.

**103. COMPOSITION, RHETORIC, AND RESEARCH.** (3) Fall, Spring.  
This course stresses principles of effective writing. Also, the student is given specific instruction in using the library, in research methods, and in writing the research paper. Prerequisite: 102 or a score of 18 or higher on the ACT English examination.

**104. LITERATURE AND COMPOSITION.** (3) Fall, Spring.  
Introducing the student to literature with special attention being given to poetry, drama, and short fiction, this course also gives the students the opportunity to develop further their writing skills.

**201, 202. LITERATURE OF THE WESTERN WORLD.** (3, 3) Fall, Spring.  
Emphasizing writers whose ideas are representative of concepts, movements, or creative expressions which have had significant impact upon western culture, this course examines important views regarding the nature of man and of his place in the world. The course is closely related to Art 101, Music 101 and History 111.

**INTRODUCTION TO LITERARY STUDY.** (1) Spring.  
Designed as a basic overview of literary studies, this course introduces students to library resources, genre, literary terminology, critical approaches, and language history.

**100. ENGLISH PROFICIENCY.** (3) Fall, Spring, Summer.  
Intensive practice in writing is the main component of this course. Passing the course will satisfy the institutional English proficiency requirement. Students who have major deficiencies in English grammar and composition are encouraged to take this course. Open only to juniors and seniors. Does not count toward the major or minor in English.

**101, 102. BRITISH LITERATURE SURVEY.** (3, 3) Fall, Spring.  
This course examines the developments and significance of British literature, with its historical, social, and philosophical backgrounds from the beginning to present times.

**103, 104. AMERICAN LITERATURE.** (3, 3) Fall, Spring.  
This course examines the developments and significance of American literature, with its historical, social, and philosophical backgrounds from the beginning to present times.

**105. ADVANCED COMPOSITION.** (3) Fall.  
This course is designed to allow advanced students to develop and polish their skills in writing, particularly expository and argumentative prose, although narrative and descriptive writing will also be included.

**106. HISTORY OF THE ENGLISH LANGUAGE.** (3) Offered on sufficient demand.  
Strongly recommended for students planning to attend graduate school, this course traces the development of the English language from Anglo-Saxon to modern English.

**107. SYSTEMS OF ENGLISH GRAMMAR.** (3) Spring.  
Stressing the basic principles of English grammar, this course is designed particularly for students who plan to teach English. The course reviews functional linguistics, comparative grammars, and syntax.

**108. CHILDREN'S LITERATURE.** (3) Fall, Spring.  
This course provides a study of the types and sources of children's literature, involves the extensive reading necessary to acquaint a prospective teacher with the wealth of material available in the field, and demonstrates procedures in the teaching of literature to children. It does not count toward the major. Only students majoring in elementary education may count it toward the minor. Prerequisite: Educ. 203.

**360/360. AMERICAN POETRY.** (3) Spring. Alternates with 408/508; offered 1985-86.  
Gives the interested student an opportunity to study, in detail, American poetry. Poets studied may vary from year to year, and the course may be repeated with the consent of the department chairman.

**370/370. OLD AND MIDDLE ENGLISH LITERATURE.** (3) Fall. Alternates with 380/580; offered 1985-86.  
With emphasis on Chaucer, this course is designed to give the interested student the opportunity to study this period of British literature in depth.

**371/371. SHAKESPEARE.** (3) Spring.  
Shakespeare's development as a dramatic artist and as an interpreter of humanity is outlined in this course. It gives attention to the resourcefulness of his language and to the penetration of his thought.

**380/380. RENAISSANCE AND SEVENTEENTH CENTURY BRITISH LITERATURE.** (3) Fall. Alternates with 370/370; offered 1986-87.  
Excluding Shakespeare, this course gives attention to major British writers of the period, including sonneteers, dramatists, Spenser, Donne, and Milton.

**400/400. RESTORATION AND NEO-CLASSIC LITERATURE.** (3) Offered on sufficient demand.  
With major attention given to Dryden, Pope, and Swift, this course provides an opportunity for all in-depth study of the period.

**402/502. BRITISH ROMANTIC POETRY.** (3) Spring. Alternates with 404/504; offered 1986-87.  
This course examines in depth the poetry of Blake, Wordsworth, Coleridge, Keats, Shelley, and Byron, with appropriate attention to the scholarship devoted to the period.

**403. STUDY IN LITERATURE.** (3) Offered on sufficient demand.  
This course offers specialized study of the literature of a particular author or field and may be repeated with the consent of the department chairman. Prerequisite: Consent of the department chairman.

404/504. **VICTORIAN POETRY.** (3) Spring. Alternates with 402/502; offered 1985-86.  
This course gives major emphasis to Tennyson and Browning and is designed to increase the student's ability to read carefully and to explicate profitably the Victorian period.

408/508. **AMERICAN SHORT STORY.** (3) Spring. Alternates with 360/560; offered 1986-87.  
Focusing upon a particular genre, this course provides the student an opportunity to increase his ability to read carefully and to explicate profitably.

411/511. **AMERICAN NOVEL.** (3) Fall. Alternates with 418/518; offered 1986-87.  
This course examines the development of the American novel from its early instances to the present time. This course may vary from year to year and may be repeated with the consent of the department chairman.

415/515. **LITERATURE FOR TEACHERS.** (3) Offered on sufficient demand.  
This course is designed primarily for teachers in secondary schools. The course will include units on folklore, mythology, and minority literature.

418/518. **BRITISH NOVEL.** (3) Fall. Alternates with 411/511; offered 1985-86.  
This course examines the development of the British novel from its early instances to the present time. This course may vary from year to year and may be repeated with the consent of the department chairman.

450. **INDEPENDENT STUDY.** (1-3) Offered on demand.  
When in the judgment of the chairman of the English Department and of the appropriate member of the English faculty senior students majoring in English can advantageously embark upon an independent study project, the content of this course may be adapted to their specific needs.

## DEPARTMENT OF FOREIGN LANGUAGES AND INTERNATIONAL STUDIES

### PROFESSORS:

Winfred O. Wright, Dr. de l'Universite'  
Chairman

Dorothy S. Wright, Dr. de l'Universite'

### ASSOCIATE PROFESSOR:

Ava M. Conley, M.A.

Assisting from other departments:

### PROFESSORS:

Robert L. Helsten, M.A.

Don Shackelford, Th.D.

The department seeks to prepare students for life and work in the modern world where communication with people of other cultures and languages is becoming increasingly important.

Students may pursue foreign language study for cultural enrichment, research, personal pleasure, foreign travel, or for a variety of careers where a foreign language is of value. Such careers include foreign missions, translation, government service, or international business and industry. A knowledge of a foreign language is considered an asset in many professions and careers in the United States. Employers who are considering applicants of otherwise similar qualifications often choose the one who can communicate in a foreign language.

## STUDY ABROAD

The department provides numerous opportunities:

1. The Harding University in Florence Program offers a semester of study in Florence, Italy.
2. The French Work/Study Tour is a summer program combining 7 weeks of evangelistic campaigns with French language and culture study in the French speaking countries of Europe.
3. The Latin American Work/Study Tour is a summer program combining 6-8 weeks of evangelistic campaigns with language and culture study in Venezuela or another Latin American country.
4. The Independent Study Abroad Program provides a semester of study in a foreign university often combined with residence in a home where the target language is spoken.

Placement of students with foreign language background will vary according to the level of language proficiency. Normally, students with two years or more of high school study are encouraged to enroll in the intermediate level. Students with exceptional foreign language skills may be approved by the department chairman for enrollment in an advanced course.

Validation credit for previous language study may be obtained upon written request as follows: A student with two or more years of high school foreign language study, upon completion of the intermediate university course of the same language with a grade of A or B in **both semesters**, may receive 8 hours of credit for the elementary course.

## BACHELOR OF ARTS DEGREES

**French:** Major: 30 hours in French, including 18 hours of upper-level credit (Students planning graduate studies in French are encouraged to take additional upper-level courses.)

Minor: 18 hours in French, including 6 hours of upper-level credit.

**Spanish:** Major: 30 hours in Spanish, including 18 hours of upper-level credit. (Students planning graduate studies in Spanish are encouraged to take additional upper-level courses.)

Minor: 18 hours in Spanish, including 6 hours of upper-level credit.

**International Studies:** Major: 68 hours, including 20 hours in foreign languages (6 hours must be upper-level); Pol. Sci. 202; Econ. 201; 3 hours from Anthro. 250, 320, 401; Missions 358 or Com 0 261; 3 hours from Geo. 212 or 300; 3 hours from Pol. Sci. 300, 351, 410, or Econ. 420; 3 hours from Hist. 311, 447, Fren. 305, Span. 315 or 325; Int. Studies 280, 310, 460; a 21-hour career concentration in such areas as foreign political service, international business, international communications, human services, foreign languages or vocational missions to be jointly approved by the chairman of the Department of Foreign Languages and International Studies and the chairman or dean of the selected discipline. A minor is not required.

Students who certify to teach French or Spanish must complete 24 hours of the language including the following: 6 hours in functional language skills; 6 hours in culture, civilization, and literature (at least 3 being in culture and civilization); 12 hours of electives. At least 9 of the 24 hours must be upper-level. Educ. 419 must also be taken. Students are encouraged to certify in a second area such as English or other foreign language.

#### FRENCH

- 100. BEGINNING FRENCH FOR BUSINESS AND TRAVEL.** (2) Spring. Offered on sufficient demand.  
A course designed to introduce students with no background in French to the basic elements of the language. Emphasis will be given to oral communication in every day situations.
- 101-102. ELEMENTARY FRENCH.** (4, 4) Fall, Spring.  
A beginning course designed for students with little or no background in French. Emphasis is given to oral and written communication, grammar, and culture. Five class periods per week.
- 201-202. INTERMEDIATE FRENCH.** (3, 3) Fall, Spring.  
A review of grammar with continued emphasis on oral and written communication. Readings in literature and culture. Prerequisite: 102 or two years of high school French.
- 203. INTERMEDIATE FRENCH FOR BUSINESS COMMUNICATION.** (3) Spring on sufficient demand.  
Same course as 202 except it will include acquisition of business vocabulary with oral and written communication on business topics.
- 204. INTERMEDIATE FRENCH FOR SCIENTIFIC AND MEDICAL PROFESSIONS.** (3) Spring on sufficient demand.  
Same course as 202 except it will include readings and acquisition of vocabulary in scientific and/or health related areas.
- 251. FRENCH CONVERSATION.** (1) Fall.  
Guided conversational experience in small groups on topics of common interest to students of French. May be repeated for credit. A total of 4 hours may be earned in French 251, 252, 253. Prerequisite: 102 or equivalent.
- 252. FRENCH FOR RELIGIOUS COMMUNICATION.** (1) Spring. Alternates with 253; offered 1986-87.  
A study of selected religious texts with practical use of religious vocabulary for worship and evangelism. May be repeated for credit. A total of 4 hours may be earned in French 251, 252, 253. Prerequisite: 102 or equivalent.
- 253. FRENCH FOR BUSINESS COMMUNICATION.** (1) Spring. Alternates with 252; offered 1985-86.  
A study of selected business vocabulary and documents with emphasis on practical vocabulary for every day business situations. May be repeated for credit. A total of 4 hours may be earned in French 251, 252, 253. Prerequisite: 102 or equivalent.
- 301, 302. INTRODUCTION TO FRENCH LITERATURE.** (3, 3) Fall, Spring. Alternates with 303-304; offered 1986-87.  
A survey of major authors and their works from the Middle Ages to the present. Prerequisite: 202 or equivalent.
- 303/503. ADVANCED COMPOSITION.** (3) Fall. Alternates with 301; offered 1985-86.  
Techniques of writing in French. Imitation of selected French texts illustrating various styles. Exercises in creative writing. Prerequisite: 202 or equivalent.
- 304/504. ADVANCED FRENCH.** (3) Spring. Alternates with 302; offered 1985-86.  
A practical application of advanced grammar in group discussions, reports and translations. Literary analysis of passages from representative works. Prerequisite: 202 or equivalent.
- 305/605. CONTEMPORARY FRENCH CIVILIZATION.** (3) Offered in the summer on sufficient demand.  
A study of the mores, customs, government and important personalities of present day France. Prerequisite: 202 or equivalent.
- 432/532. FRENCH CLASSICISM.** (3) Spring. Alternates with 434/534; offered 1986-87.  
A study of Corneille, Racine, Moliere, Pascal, La Fontaine, and others. Prerequisite: Any 300 course or equivalent.

- LITERATURE OF THE 19TH CENTURY.** (3) Spring. Alternates with 432/532; offered 1985-86.  
A study of representative writers of the 19th Century and the important literary movements. Prerequisite: Any 300 course or equivalent.
- 433/533. LITERATURE OF THE 20TH CENTURY.** (3) Fall. Alternate years; offered 1986-87.  
A study of outstanding writers of the 20th Century and of current literary trends in France. Prerequisite: Any 300 course or equivalent.
- 434/534. INDEPENDENT STUDY.** (1-3) Offered on demand.  
Individual study for qualified seniors or graduate students majoring in French. Prerequisite: Consent of the instructor and department chairman.

#### GERMAN

- 101-102. ELEMENTARY GERMAN.** (4, 4) Fall, Spring.  
A beginning course designed for students with little or no background in German. Emphasis is given to oral and written communication, grammar, and culture. Five class periods per week.
- 105-106. GERMAN FOR READING.** (3, 3) Fall, Spring.  
A study of grammar, vocabulary, and syntax with the reading of selected literary and scientific works.
- 101-202. INTERMEDIATE GERMAN.** (3, 3) Fall, Spring. Offered on sufficient demand.  
A review of grammar with continued emphasis on oral and written communication. Readings in literature and culture. Prerequisite: 102 or two years of high school German.

#### ITALIAN

- 101-102. ELEMENTARY ITALIAN.** (4, 4) 101 offered in fall, spring in the Harding University in Florence (Italy) curriculum. 102 is offered upon sufficient demand either in the HUF curriculum or during the spring semester on Searcy campus.  
A beginning course designed for students with little or no background in Italian. Emphasis is given to oral and written communication, grammar, and culture. Class time per course will equal five class periods per week in a regular semester. A course in Italian is required as part of the HUF Program.
- 101-202. INTERMEDIATE ITALIAN.** (3, 3) Offered only upon demand in the Harding University in Florence (Italy) curriculum.  
A review of grammar with continued emphasis on oral and written communication. Readings in literature and culture. Prerequisite: 102 or two years of high school Italian.

#### SPANISH

- 100. BEGINNING SPANISH FOR BUSINESS AND TRAVEL.** (2) Spring. Offered on sufficient demand.  
A course designed to introduce students with no background in Spanish to the basic elements of the language. Emphasis will be given to oral communication in every day situations.
- 101-102. ELEMENTARY SPANISH.** (4, 4) Fall, Spring.  
A beginning course designed for students with little or no background in Spanish. Emphasis is given to oral and written communication, grammar, and culture. Attention is also given to individualized career interests with the student selecting from such areas as business and economics, medical and health professions, social services, Spanish for the teachers in bilingual classrooms, or general communication. Five class periods per week.
- 101-202. INTERMEDIATE SPANISH.** (3, 3) Fall, Spring.  
A review of grammar with continued emphasis on oral and written communication. Readings in literature and culture. Prerequisite: 102 or two years of high school Spanish.
- 203. INTERMEDIATE SPANISH FOR BUSINESS COMMUNICATION.** (3) Spring on sufficient demand.  
Same course as 202 except it will include acquisition of business vocabulary with oral and written communication on business topics.
- 204. INTERMEDIATE SPANISH FOR SCIENTIFIC AND MEDICAL PROFESSIONS.** (3) Spring on sufficient demand.  
Same course as 202 except it will include readings and acquisition of vocabulary in scientific and/or health related areas.



- 251. SPANISH CONVERSATION.** (1) Offered on sufficient demand. Guided conversational experience in small groups on topics of common interest to students of Spanish. May be repeated for credit. A total of 4 hours may be earned in Spanish 251 or 252. Prerequisite: 102 or equivalent.
- 252. SPANISH FOR RELIGIOUS COMMUNICATION.** (1) Spring. A study of selected religious texts with practical use of religious vocabulary for worship and evangelism. May be repeated for credit. A total of 4 hours may be earned in Spanish 251, 252. Prerequisite: 102 or equivalent.
- 301, 302. INTRODUCTION TO SPANISH LITERATURE.** (3, 3) Fall, Spring. Alternates with 303-304; offered 1986-87. A survey of major authors and their works. Prerequisite: 202 or equivalent.
- 303/503. ADVANCED COMPOSITION AND GRAMMAR REVIEW.** (3) Fall. Alternates with 301; offered 1985-86. Grammatical analysis, translation to Spanish and free composition to develop fluency and correctness in written Spanish. Prerequisite: 202 or equivalent.
- 304/504. ADVANCED SPANISH.** (3) Spring. Alternates with 302; offered 1985-86. A practical application of Spanish with advanced conversation, literary analysis, and phonetic review. Prerequisite: 202 or equivalent.
- 311/511. SURVEY OF LATIN AMERICAN LITERATURE.** (3) Fall. Alternates with 315; offered 1985-86. A survey of major Latin American authors and their works. Prerequisite: 202 or equivalent.
- 315/515. LATIN AMERICAN CIVILIZATION.** (3) Fall. Alternates with 311/511; offered 1986-87. A cultural survey of the Latin American nations with emphasis on the contemporary period. The course will be taught in Spanish unless there is sufficient demand for the classroom sessions to be English. Prerequisite: 202 or equivalent unless there is sufficient demand otherwise.
- 325/625. REGIONAL LANGUAGE AND CULTURE.** (3) Offered in the summer, upon sufficient demand, in a Spanish-speaking country. A survey history of the Spanish language with particular emphasis on the linguistic variations of the chosen region. An in-depth cultural study of the given country with special attention to the contemporary period. May be repeated for credit in a different region. Prerequisite: 202 or equivalent.
- 435/535. LITERATURE OF THE 20TH CENTURY.** (3) Spring. Alternates with 436/536; offered 1985-86. The essay and the novel with historical emphasis on the Generation of 1898 and critical emphasis on the prose of the 20th Century. Prerequisite: Any 300 course or equivalent.
- 436/536. 19TH AND 20TH CENTURY SPANISH DRAMA AND POETRY.** (3) Spring. Alternates with 435/535; offered 1986-87. A study of representative writers of the period. Prerequisite: Any 300 course or equivalent.
- 450/650. INDEPENDENT STUDY.** (1-3) Offered on demand. Individual study for qualified seniors or graduate students majoring in Spanish. Prerequisite: Consent of the instructor and the department chairman.

#### INTERNATIONAL STUDIES

- 270. GLOBAL ISSUES.** (3) Fall. To be offered first time in 1985-86. A study of basic social, economic, and political issues of major concern in the international community. Prerequisite: Pol. Sci. 202.
- 310/510. INDEPENDENT STUDY ABROAD.** (3-12). Guided study abroad in an approved foreign institution of higher learning. Before the student enrolls for the course, the International Studies chairman must approve: the institution, living arrangements, program of study, the specific courses in which credit at Harding University will be granted, and the number of credit hours to be received. The prescribed

program must be completed and an evaluation of the student's performance provided by the foreign institution. Prerequisite: Open only to students with sophomore to graduate standing who have completed the intermediate level of language study in the language of the host country or give proof of equal proficiency.

**660/660. SEMINAR IN INTERNATIONAL STUDIES.** (3) Spring. Offered on sufficient demand.

In-depth research into the culture and major concerns of the student's selected world area. Prerequisite: Senior standing with a major in International Studies or graduate standing.

#### GENERAL SCIENCE

The Departments of Biological Science, Mathematics and Computer Science, and Physical Science cooperate in offering an interdepartmental major. This program in general science is designed for those who need training in several branches of science in order to teach science in high school and for those who for any other reason desire a broad understanding and appreciation of the sciences. Both the Bachelor of Arts and the Bachelor of Science degrees are offered in general science. Since they will need to take 24 hours of approved courses in education, those planning to certify to teach in the minimum time should elect the Bachelor of Arts program, omit from the general education program Mathematics 101 and Physical Science 102, and take Education 203 instead of Psychology 131. CLEP credit in Biology 111 is not accepted for a major or minor in general science or as a prerequisite for more advanced biology courses.

Major (Bachelor of Arts): 57 hours in the biological and physical sciences and mathematics, including Biol. 151, 152, 252; Chem. 121-122 or 114-115; Math. 152; Phy. Sci. 101; Physics 201-202 or 211-212; and a total of 24 hours of upper-level work in two of the following fields — biology, chemistry, computer science, mathematics, physics — with a minimum of 6 hours in each of the two selected. A minor is not required.

Major (Bachelor of Science): 69 hours in the biological and physical sciences and mathematics, including Biol. 151, 152, 252; Chem. 121-122; Math. 201; Phy. Sci. 101, 410; Physics 201-202 or 211-212; and a total of 24 hours of upper-level work in two of the following fields — biology, chemistry, computer science, mathematics, physics — with a minimum of 6 hours in each of the two selected. In addition, one year of German, French or Spanish, or a reading proficiency in one of these languages demonstrated by examination, is required. C. Sc. 211 is highly recommended. A minor is not required.

Minor: 39 hours in the biological and physical sciences and mathematics, including Biol. 151, 152, 252; Chem. 121-122 or 114-115; Math. 152 or 201; Phy. Sci. 101; Physics 201-202 or 211-212; and 6 hours of upper-level work in the area.

For a description of course offerings, see Department of Biology, Department of Mathematics and Computer Science, and Department of Physical Science.

1985-1986 Harding University Catalog

## HARDING UNIVERSITY IN FLORENCE FLORENCE PROGRAM

**Bible 313/513. PAUL.** (2 or 3) Offered only in the Harding University in Florence (Italy) curriculum.

A study of the figure of Paul in the New Testament — apostle, Roman citizen, missionary. Selected passages from Acts of Apostles and Paul's letters will be examined. Background material relating to his apostleship to the Gentiles will be examined in Rome and elsewhere. This or another course in Bible is required as part of the HUF program.

**Humanities 201. INTRODUCTION TO EUROPEAN STUDIES.** (1) Fall, Spring.

Orientation and training for those attending Harding University in Florence, Italy. This course is designed to prepare students for their international experience in living and study in Europe. It will include enhancement in cultural sensitivity and practical matters of survival in a different cultural setting. There will be approximately fifteen hours of class time plus "hands-on" experiences in Europe. Students will be encouraged to do research on places to visit and things to do with reference to their particular major.

**Humanities 260. OUR WESTERN HERITAGE.** (4-6) Offered only in the Harding University in Florence (Italy) curriculum.

This course integrates art, music, history, philosophy, religion, and literature. Hum. 260 may substitute for 4 to 6 hours selected from among the following: Art 101, Music 101, Hist. 111, and Eng. 201 or 202. A department chairman may approve upper-level departmental credit for Hum. 260 provided a student gains approval in advance. This course is required, either for credit or audit, as part of the HUF program.

**Italian 101-102. ELEMENTARY ITALIAN.** (4, 4) 101 offered Fall, Spring in the Harding University in Florence (Italy) curriculum. 102 offered upon sufficient demand either in the HUF curriculum or during the spring semester on the Searcy campus.

A beginning course designed for students with little or no background in Italian. Emphasis is given to oral and written communications, grammar, and culture. Class time per course will equal five class periods per week in a regular semester. A course in Italian is required as part of the HUF program.

**Italian 201-202. INTERMEDIATE ITALIAN.** (3, 3) Offered only upon demand in the Harding University in Florence (Italy) curriculum.

A review of grammar with continued emphasis on oral and written communication. Readings in literature and culture. Prerequisite: 102 or two years of high school Italian.

**Special Studies 290. "Course Title of Special Study."** (3) Offered only in the Harding University in Florence (Italy) curriculum.

A course that will be specifically designed to meet the needs of students (sophomore, junior, or senior) who need the course to meet their educational objectives. A given department chairman may request the Vice President for Academic Affairs to approve department credit with the appropriate course title; for example, English 290, Creative Writing. Prerequisite: Sophomore standing and joint approval of the department chairman and the Vice President for Academic Affairs.

## DEPARTMENT OF HISTORY AND SOCIAL SCIENCE

### PROFESSORS:

Raymond Muncy, Ph.D., Chairman

Clifton L. Ganus, Jr., Ph.D.

Fred R. Jewell, Ed.D

Virgil Lawyer, M.A.

Joe T. Segraves, Ph.D.

### ASSOCIATE PROFESSORS:

Earl W. Cobill, Ph.D.

Thomas M. Howard, Ed.D.

Thomas R. Statom, Ph.D.

Assisting from other departments:

ASSOCIATE PROFESSOR:

Clifford E. Sharp, M.S.T.

The work of the department is designed to give students basic information concerning the social forces and institutions which affect civilization and the fundamental principles underlying enlightened citizenship and international relations; to prepare teachers for elementary and secondary schools; to furnish the knowledge and academic discipline needed for graduate study in history, political science, or social science; to provide the preprofessional background for the fields of law, government service, or some related professional field.

All students certifying to teach, regardless of certification area, must take Hist. 101, Pol. Sci. 205, and Soc. 203. Hist. 111 is a general education requirement.

Students preparing to teach social science in secondary schools must complete 12 hours of American history, 6 hours of European history, 3 hours of American national government, 3 hours of economics, and 6 hours of geography, 3 additional hours of political science, and Soc. 203. Students should take Econ. 201, Pol. Sci. 205, and Soc. 203 before the end of the sophomore year. In addition to certifying in the broad area of social science, 6 hours in a specific field of social science are required for certification in that field. For example, 6 hours of geography are required to certify in geography or 6 hours in European history are required to certify in European history.

## BACHELOR OF ARTS DEGREE

**HISTORY:** Major: 33 hours in history, including 101, 111, 420 or Pol. Sci. 202, History 430, Soc. Sci. 260, 450, and two courses elected from 301, 302, 340, and 403. A minimum of 18 upper-level hours must be elected. In addition, one year of a modern foreign language is required.

Minor: 18 hours in history, of which 6 hours must be upper-level, including 101, 111, 420 or Pol. Sci. 202, and one course elected from 301, 302, 340 or 403.

**POLITICAL SCIENCE:** Major: 33 hours in political science, including 202 or Hist. 420, 205, 251, 254, 255, 300 and Soc. Sci. 450 of which 18 hours must be upper level. In addition, one year of modern foreign language is required.

Minor: 18 hours in political science, of which 6 must be upper level.

**SOCIAL SCIENCE:** Major: 54 hours in social science including Econ. 201-202; one course from Geog. 212, 300 or 301; Hist. 101, 111, 430; two courses elected from Hist. 301, 302, 340, and 403; Pol. Sci. 202 or Hist. 420, 205, 251; Soc. Sci. 260, 450; Soc 203; 6 additional advanced hours in American history; 3 additional advanced hours in non-American history; and 6 additional hours elected from anthropology, economics, geography, political science, and sociology. Those certifying to teach must be certain that they have 6 hours of geography. A minor is not required.

Minor: 18 hours of history, political science, geography, economics; and/or social science, including 6 hours of upper-level credit.

Minor (for students preparing to teach social 1985-1986 Harding University Catalog schools): 36 hours of social science including 6 hours of advanced credit. This must include 12 hours in American history, 6 hours in non-American history, 3 hours in American national government, 3 hours of economics, 6 hours in geography, 3 additional hours of political science, and Soc. 203. For this minor Econ. 201, Pol. Sci. 205, and Soc 203 should be elected in satisfying general education requirements. An upper-level American history course and an upper-level European history course will normally be taken for the upper-level credit.

### BACHELOR OF SCIENCE DEGREE

**AMERICAN STUDIES:** Major: 63 hours in American Studies, including Econ. 201-202; one course from Geog. 212, 300 or 301; Hist 101, 111; two courses elected from Hist. 301, 302, 340, and 403; Mgt. 333; Pol. Sci. 202, 205, 251; Soc. Sci. 260, 450; Soc. 203; 6 hours in American literature from Eng. 271, 272, 360, 408, 411; 6 additional hours in American political science from Pol. Sci. 354, 425, 435; 3 additional hours in American culture from Soc. 305, 355, 405; 6 additional hours in American history from Hist. 301, 302, 340, 366, 403, 420, 441; and Com M 415 or an elective approved by the chairman of the department. In addition, one year of a modern foreign language is required.

Minor: 30 hours in American Studies, including Hist. 101, 111; two courses elected from Hist. 301, 302, 340, and 403; Pol. Sci. 202, 205; Soc. 203; and 9 additional hours selected from three of the five fields listed under the major.

**PUBLIC ADMINISTRATION:** Major: 69 hours, including Acct. 205-206; Bus. 315, 343; CIS 214; Econ. 201-202; Mgt. 332, 368; Pol. Sci. 205, 251, 254, 255, 304, 435, 436; Com 0 260, 262 or 263; and 18 hours of electives approved by the chairman of the Department of History and Social Science with **not more** than 3 hours from the School of Business. No minor is required.

### GEOGRAPHY.

**212. FUNDAMENTALS OF GEOGRAPHY.** (3) Fall, Spring.  
Physical geography including climates, soil, river systems, and mountain ranges. The aspects of geography affecting racial division and human population.

**300/\*500. WORLD GEOGRAPHY.** (3) Fall. Alternate years; offered 1986-87.  
A survey of the major geocultural areas of the world, focusing on both the physical traits (land forms, climate, natural resources, etc.) and the land-man relationships in that area (land uses, population distribution, etc.)

**301/\*501. GEOGRAPHY OF THE UNITED STATES.** (3) Fall. Alternate years; offered 1985-86.  
Emphasis on development of urban centers and economic and social factors.

\*Must have at least 3 hours of undergraduate geography credit as prerequisite for taking for graduate credit.

### HISTORY

**101. AMERICAN HISTORY.** (3) Fall, Spring.  
Survey of American history with attention to geographical factors, social forces, and political and industrial development.

**111. WESTERN CIVILIZATION.** (3) Fall, Spring.  
Development of Western civilization from about 1500 to the present. Emphasis is placed on major political, economic, and social movements.

**102. HISTORY OF THE CIVIL WAR IN AMERICA.** (3) Spring.  
Military, social, and economic aspects of the American Civil War, 1860-65. Class trips to the battlefields of Shiloh and Vicksburg are required of all students. For these trips a fee of \$25 is required at the time of registration. Prerequisite: 101 or consent of department chairman. Trip fee \$25.

**103. EARLY NATIONAL AMERICA 1787-1850.** (3) Fall.  
Prerequisite: 101 or consent of department chairman.

**104. EMERGENCE OF MODERN AMERICA 1850-1900.** (3) Spring.  
Prerequisite: 101 or consent of department chairman.

**105/111. HISTORY AND CULTURE OF THE FAR EAST.** (3) Fall. Alternate years; offered 1986-87.  
A study of China and Japan, including indigenous origins, the impact of the West through the 19th Century, and problems of development through last 50 years.

**107/117. RUSSIA AND THE SOVIET UNION.** (3) Spring.  
A study of Russia from the time of Peter the Great. Particular emphasis will be placed on the emergence of Soviet Russia and the political, social, and economic structure of the Soviet Union.

**108. COLONIAL AMERICA 1608-1787.** (3) Spring. Alternate years; offered 1985-86.  
Prerequisite: 101 or consent of department chairman.

**106. HISTORY OF THE FRONTIER.** (3) Fall.  
Settlement of the West, the laws and policies related to its development, and the effects of the frontier on national life. Prerequisite: 101 or consent of the department chairman.

**100/580. SPECIAL TOPICS IN AMERICAN HISTORY.** (3) Summer.  
A different topic of interest in American history will be taught each time the course is offered, such as "The American Indian," "Utopian Communities," "Sports in History," etc.

**100/590. SPECIAL TOPICS IN EUROPEAN HISTORY.** (3) Summer.  
A different topic of interest in European history will be taught each time the course is offered, such as "World War II," "Revolutions," "Cities of Europe," etc.

**401/501. HISTORY OF ENGLAND.** (3) Spring. Alternate years; offered 1986-87.  
Political, religious, literary, and economic activities of the English people from 1066 to present. Recommended for prelaw students. Prerequisite: 111 or consent of department chairman.

**403/503. TWENTIETH CENTURY AMERICA 1900 TO PRESENT.** (3) Fall. Alternate years; offered 1986-87.  
An historiographical and interpretative treatment. Prerequisite: 101 or consent of department chairman. Recommended for those who plan to do graduate study in history.

**408/508. EUROPEAN HISTORY 1500-1789.** (3) Fall. Alternate years; offered 1985-86.  
Prerequisite: 111 or consent of department chairman.

**420/520. DIPLOMATIC HISTORY OF THE UNITED STATES.** (3) Fall.  
A survey of the diplomacy and foreign policy of the United States from the American Revolution to the present.

**430/530. ANCIENT, MEDIEVAL AND RENAISSANCE HISTORY.** (3) Spring.  
A historical survey from antiquity to 1648. Required for all history and social science majors.

**441/541. HISTORY OF THE SOUTH.** (3) Fall. Alternate years; offered 1985-86.  
A study of the social, political, and economic development of both the old and the new South. Special attention will be given to those forces that made the South unique. Prerequisite: 101 or consent of department chairman.

**446/546. EUROPEAN HISTORY 1789-1900.** (3) Spring. Alternate years; offered 1986-87.  
Prerequisite: 111 or consent of department chairman.

**447/547. MODERN EUROPEAN HISTORY 1900 TO PRESENT.** (3) Spring. Alternate years; offered 1985-86.  
Prerequisite: 111 or consent of department chairman.

### POLITICAL SCIENCE

**202. INTERNATIONAL RELATIONS.** (3) Fall, Spring.  
A study of the interaction of nation-states by surveying international concepts including culture, nationalism, conflict, organizations, law, nuclear arms, economics, and underdevelopment, with focus on why nation-states act as they do.

## DEPARTMENT OF HOME ECONOMICS

### PROFESSOR:

Mildred L. Bell, Ph.D.

### ASSOCIATE PROFESSORS:

Sharen Deacon Crockett, M.S.

Elizabeth K. Wilson, M.A.

Chairman

### ASSISTANT PROFESSOR:

Lynn England, M.A.

### INSTRUCTOR:

Loleta Higginbotham, M.A.T.

Home Economics is a field of study concerned with all aspects of family living, their interrelationships, and the total patterns which they form. The objectives of this department, in keeping with the nature of Home Economics, are (1) the personal development of each student, (2) preparation for home and family living, (3) preparation for a profession, and (4) service to God and mankind.

Harding is approved by the State Department of Education and the Federal Office of Education for the training of teachers in vocational home economics. The University is approved for the training of extension home economists. The University is also approved by the American Dietetics Association for the training at the undergraduate level in the Non-coordinated Plan IV Program.

Echo Haven is the Home Economics Department's modern home where students may gain valuable experience in many phases of managing a home. Those who live there organize themselves into working units and carry out their plans under the supervision of a teacher. All home economics majors live in the home sometime during their junior or senior years. The house accommodates six students, and the residence period is eight weeks. Other arrangements are made for married students. Any junior or senior majoring in another department may live in the house if enrolled in Home Economics 402 as an elective.

The child development laboratory provides for 18 children, and includes areas of dramatics, block play, library, music, creative art, food preparation, rest, isolation, rest room, teachers' conference room, observation booths, and playground. It is licensed by the Social Services of the State of Arkansas as a day care center.

### MAJORS AND MINORS IN HOME ECONOMICS

The Home Economics Department offers the Home Economics degree in any one of the following special areas of study: General; Child Development; Interior Design; Fashion Merchandising; Food Merchandising;

### 205. AMERICAN NATIONAL GOVERNMENT. (3) Fall, Spring, 1985-1986 Harding University Catalog

A study of the constitution, civil rights, and the formal and informal aspects of political decision-making in the United States.

### 251. AMERICAN STATE AND LOCAL GOVERNMENT. (3) Spring.

A study of the nature, functions, public policies, and issues among state and local governments in the United States.

### 254. QUANTITATIVE TECHNIQUES IN POLITICAL SCIENCE. (3) Fall.

An introduction to the basic tools used in modern political science research with special emphasis on statistics used in data analysis and hypothesis testing.

### 255. POLICY ANALYSIS AND RESEARCH. (3) Spring.

A study of public policy made by government in the U.S. utilizing analytical tools, including the computer. A written research paper is also required. Prerequisite: 254. Computer fee \$35.

### 300. COMPARATIVE POLITICAL SYSTEMS. (3) Fall. Alternate years; offered 1986-87.

An analysis of the political processes and institutions of the political systems of major developed nation-states, utilizing contemporary methods in the field of comparative politics.

### 304. PRINCIPLES OF PUBLIC ADMINISTRATION. (3) Fall.

Political influences and management principles of the public bureaucracy.

### 351. INTERNATIONAL LAW AND DIPLOMACY. (3) Spring. Alternate years; offered 1986-87.

An analysis of major cases in international law which have helped to shape the present international system and their relationship to diplomacy between nation-states. Prerequisite: 202.

### 354. AMERICAN POLITICAL INSTITUTIONS. (3) Spring. Alternate years; offered 1985-86.

Analysis of the Constitution and of the decision-making processes in the major federal government institutions, including the Congress, Presidency, Courts, political parties, and elections.

### 410/510. POLITICS AMONG UNDERDEVELOPED NATION STATES. (3) Fall. Alternate years; offered 1985-86.

An examination of the political processes and economic development of the underdeveloped nation states of Africa, Asia, Latin and South America.

### 425/525. AMERICAN POLITICAL THOUGHT. (3) Spring. Alternate years; offered 1986-87.

Origins and development of American political ideas and institutions from precolonial times to the present.

### 435/535. CONSTITUTIONAL LAW. (3) Spring.

A study of the role of the Supreme Court in the American political system, the principles of Constitutional interpretation, and landmark cases in our legal heritage. Special emphasis is given to contemporary Bill of Rights issues.

### 436/536. ADMINISTRATIVE LAW. (3) Fall.

The nature, formulation, implementation, and adjudication of administrative law with attention to the powers and limitations of regulatory agencies. Prerequisite: 205.

### 450/650. PROBLEMS IN POLITICAL SCIENCE. (1-3) Offered on demand.

Open to outstanding political science majors who wish to concentrate, through research and special supervised reading, upon a particular problem, with a special emphasis on an introduction to graduate work in the field of political science. Prerequisite: Consent of the department chairman.

### SOCIAL SCIENCE

### 250. OUR WESTERN CULTURE. (3-6) Summer only.

An integrated course in the art, music, and history of Western Europe offered in the summer International Studies Program.

### 260. INTRODUCTION TO RESEARCH. (1) Fall.

An orientation in the materials, research, and methods of the social sciences. Required of all American Studies, History, and Social Science majors.

### 450/550. SENIOR SEMINAR IN THE SOCIAL SCIENCES. (2) Spring.

Synthesizes the various disciplines in the social science field. Includes course content and bibliography, historiography, scientific research, and critical analysis. Prerequisite: Senior or graduate standing with a major in the social science area.

Vocational Education; and Dietetics. Each emphasis except Dietetics, requires a 12-hour core. The core requirements are:

Home Ec. 101, 202, or 203	—	3 hours
Home Ec. 102, 201, or 331	—	3 hours
Home Ec. 251, 322, or 323	—	3 hours
Home Ec. 405, 406, or 407	—	3 hours
Home Ec. 400 (Senior Seminar)	—	0 hours
		12 hours

### BACHELOR OF ARTS DEGREE

**General Home Economics:** Major: 33 hours in Home Ec. including 3 hours from 101 or 202; 6 hours from 102, 201, or 331; 6 hours from 251, 322, or 323; 3 hours from 405, 406, or 407; 203, 391, 400, 402; and 6 hours of advanced Home Ec. electives. Suggested electives: Art 117; H.Ed. 202, 203; C.Sc. 211 or CIS 214. A minor is required.

**Fashion Merchandising:** Major: 54 hours including 3 hours from H.Ec. 102, 201, or 331; 3 hours from H.Ec. 251, 322 or 323; 3 hours from H.Ec. 405, 406, or 407; H.Ec. 101, 202, 203, 267, 303, 305, 391, 400, 402; Acct. 205; Bus. 315, 350; Econ. 201, 320; Mgt. 368; and 6 hours from Mkt. 330, 335, or 337. Suggested electives: Art 249; C.Sc. 211; H.Ec. 406; Com M 303. A minor is not required.

**Home Economics - Child Development:** Major: 56 hours including 3 hours from H.Ec. 101, 202, or 203; 3 hours from H.Ec. 405, 406, or 407; H.Ec. 251, 267, 322, 323, 331, 391, 400, 402, 425; Educ. 320, 403, 411, S.Wk. 399; Soc. 410; Eng. 350; Art 211; Mus 116; Bible 212, 331; and Soc. 203. Suggested electives: Acct. 205; H.Ed. 202, 203; Mgt. 332 or 368. A minor is not required.

**Home Economics - Interior Design:** Major: 51 hours including 3 hours from H.Ec. 101 or 202; 3 hours from H.Ec. 102, 201, or 331; 3 hours from H.Ec. 251, 322, or 323; H.Ec. 203, 267, 391, 400, 402, 405, 406; Art 103, 117, 260, 312, 370, 372; Acct. 205; Mkt. 330. Suggested electives: Art 104, 200, 249; Bus. 315; CIS 214 or C.Sc. 211; Com M 220; Mgt. 368; Mkt. 335, 337; and H.Ec. 407. A minor is not required.

**Home Economics - Food Merchandising:** Major: 56 hours including 3 hours from H.Ec. 101, 202, or 203; 3 hours from H.Ec. 251, 322, or 323; 3 hours from H.Ec. 405, 406, or 407; H.Ec. 102, 201, 267, 331, 337, 391, 400, 402, 435, 436, 445; Com M 201, 220, 280, 303, 322, 323. Suggested electives: Bus. 350; C.Sc. 211 or CIS 214; Com M 301, 302, 305, 396; Mgt. 368; Mkt. 330, 335, 337. A minor is not required.

### BACHELOR OF SCIENCE DEGREE

**Dietetics:** Major: (American Dietetics Association Plan IV): 71 hours including 3 hours from H.Ec. 101, 202, or 203; 3 hours from H.Ec. 251, 322, or 323; H.Ec. 102, 201, 331, 332, 391, 400, 402, 431, 433, 435, 436; Anthro. 250; Biol. 271, 275; Chem. 114, 115, 271, 324; C.Sc. 211; Econ. 201; Educ. 307; Mgt. 332. A minor is not required.

**Vocational Home Economics:** Major: 42 hours in home economics, including 101, 102, 201, 202 or 303, 203, 251, 322, 323, 331, 391, 400, 402, 405, 406, and 407. Other required courses are Art 117; Soc. 203; Chem. 114; Biol. 111; Phy. Sci. 101; Educ. 307, 320, 336, 416, 417, 424, and 451; and Health Ed. 203. This program includes 9 hours in human development and family; 6 hours in consumer education and home management; 6 hours in housing, furnishings, and equipment; 9 hours in food, family meals, and nutrition; 9 hours in textiles and clothing; and 6 hours in related art. Non-teaching majors must complete Art 101, Psy. 131, and one more hour in physical education activity, but may omit the education courses and Health Ed. 203. A minor is not required. For a student desiring dual certification in home economics and elementary education, it is recommended that the student complete the Bachelor of Arts degree in elementary education after completing the Bachelor of Science degree in home economics.

Minor: 18 hours in home economics, including 6 advanced-level hours.

**101. FAMILY CLOTHING PROBLEMS.** (3) Fall, Spring.

The selection of clothing to meet the needs of various members of the family. Practical experience in cutting, pressing, and construction of selected garments, using a variety of fabrics, interpretation of commercial patterns, and sewing machine maintenance. The choice of ready-made clothing and recognition of good fashion designs. Selection of children's clothing. Two hours lecture and three hours laboratory per week.

**102. FOOD PREPARATION.** (3) Fall, Spring.

Principles underlying the selection and preparation of foods. Study of market standards for products, grades, labeling, and the consumer's responsibility in the economic system. Laboratory experiences in application of scientific principles to cooking food. Two hours lecture and three hours laboratory per week.

**201. MEAL MANAGEMENT.** (3) Spring.

Meal planning for the family, stressing nutrition, organization of work, food, costs, marketing, meal preparation, and table service for all occasions. Two hours lecture and three hours laboratory per week.

**202. CLOTHING TAILORING.** (3) Spring.

Construction techniques of tailoring. A tailored suit or coat is constructed. A combination of professional and custom tailoring is explored. Two hours lecture and three hours laboratory per week. Prerequisite: 101 or equivalent.

**203. TEXTILES.** (3) Fall.

Problems in consumer textiles; selection, maintenance, and serviceability of fabrics for clothing and home furnishings; characteristics of fibers, fabrics, and finishes; laboratory study of selected fabrics. Two hours lecture and three hours laboratory per week.

**251. FAMILY RELATIONSHIPS.** (3) Fall.

Consideration of the family throughout the family life cycle; developmental tasks at each stage. Present-day resources available for strengthening American families. Designed for both men and women students.

**267. FIELD EXPERIENCE.**

See Cooperative Education.

**303. ADVANCED CLOTHING ORIGINAL PATTERN DESIGNING.** (3) Spring.

History of clothing design. The development of original simple designs through draping on the dress form and by flat pattern designing. A study of special fitting problems. Two hours lecture and three hours laboratory per week. Prerequisite: 101 or consent of the instructor.

**305. FASHION AND TEXTILE MERCHANDISING.** (3) Fall.

Merchandising problems applied to fashion, buying, household textiles, and apparel marketing and promotion.

- 322. GUIDANCE IN EARLY CHILDHOOD.** (3) Fall.  
Application of principles of development to the planning of Early Childhood programs. Modification of activities for age level, ability, experience, group, and individual needs. Two hours lecture and three hours participation in Child Development laboratory per week.
- 323. CHILD DEVELOPMENT.** (3) Spring.  
Study of the physical, mental, emotional, social, and aesthetic development of the child from infancy through adolescence. Two hours lecture and three hours laboratory per week.
- 331. NUTRITION.** (3) Fall.  
Principles of normal nutrition and metabolism, food values, and requirements for maintenance and growth.
- 332. NUTRITION IN DISEASE.** (3) Spring. Alternates with 431/531; offered 1986-87.  
Biochemical and physiological conditions which require modification of the normal diet for a part of the therapeutic management of the patient. Role of dietitian as a member of the health care system. Prerequisites: 102, 201, 331, and Chem. 114-115.
- 337. FOOD PRESERVATION.** (2) Spring.  
A survey of special methods of food preservation. Emphasis on all methods of food preservation used in the home as well as commercial food preservation. One hour lecture and three hours laboratory per week.
- 391. CONSUMER EDUCATION AND HOME MANAGEMENT.** (3) Fall.  
Consumer economics, financial records, budgetmaking for the individual and the family, managerial aspects of homemaking, and work simplification for household activities. 102 or 201 is recommended.
- 400. SENIOR SEMINAR.** No credit. Required of all seniors both semesters of the senior year. Resume writing, interviewing, career opportunities, job applications, graduate school opportunities, management training opportunities. Attendance of all seniors in home economics is required.
- 402. HOME MANAGEMENT RESIDENCE.** (3) Fall, Spring.  
Eight weeks of residence in the home management house. Management applied to group living. Practical experience in planning, buying, preparing, and serving meals. Physical care of the home. Social aspects of group living. Prerequisites: 391 and consent of the department chairman for majors; junior or senior standing and consent of the department chairman for non-majors.
- 405/505. HOME EQUIPMENT.** (3) Spring.  
The selection and management of household equipment. Stresses options available to the consumer in the purchase, installation, and use of equipment. Simple repair of home equipment.
- 406/506. HOME FURNISHINGS.** (3) Fall. Alternates with 407/507; offered 1986-87.  
A study of period furniture and styles, draperies, upholstery, slip-covering, and room arrangements. Laboratory experiences include art in its application to the home, refinishing, reupholstering, slip-covers, draperies, and flower arranging. Two hours lecture and three hours laboratory.
- 407/507. HOUSING.** (3) Fall. Alternates with 406/506; offered 1985-86.  
Physical aspects of planning a house. History of housing. Social aspects such as zoning, government regulations, etc. Includes a study of landscaping. Laboratory experiences include planning a house, planning a landscape design, and field trips to observe historical homes. Two hours lecture and three hours laboratory.
- 425/525. ADMINISTRATION OF EARLY CHILDHOOD PROGRAMS.** (3) Fall. Alternate years; offered 1986-87.  
Consideration of housing and equipment, financing, staff, program, records, health protection, school planning, and organization. Prerequisite: Three hours in Child Development.
- 431/531. ADVANCED NUTRITION.** (3) Spring. Alternates with 332; offered 1985-86.  
Aims to extend the student's knowledge of the science of nutrition and metabolism and the recent advances in the field of clinical nutrition. Prerequisites: 331 and Chem. 324.
- 433/533. ADVANCED FOODS.** (3) Fall. Alternates with 445/545; offered 1986-87.  
Presentation of the important components of food materials and of the physical and chemical systems characteristic of food products. The experimental approach to applying these principles to major food problems and evaluation of new commercial products are emphasized. Two hours lecture and three hours laboratory per week. Prerequisites: 102, Chem. 271 or 301.

- 435/535. FOOD SYSTEMS MANAGEMENT I.** (3) Spring. Alternates with 436/536; offered 1985-87.  
Organization, management theory, and principles for all types of food systems; includes menu planning and standard methods of food preparation in quantity. Two hours lecture and three hours laboratory per week. Prerequisite: 201.
- 436/536. FOOD SYSTEMS MANAGEMENT II.** (3) Spring. Alternates with 435/535; offered 1985-87.  
Emphasis on selection, layout, maintenance of food system department, and management of personnel. Two hours lecture and three hours laboratory per week. Prerequisite: 201.
- 443/543. FOOD MERCHANDISING AND RESEARCH.** (3) Fall. Alternates with 433/533; offered 1985-86.  
Study of the principles of food product origination and development including an examination of the factors involved in food acceptability and use. Promotion of products through various merchandising methods will be stressed. Techniques will include show production, special events, displays, demonstrations, food styling, and advertising media.
- 449/549. INDEPENDENT STUDY.** (1-3) Offered on demand.  
The content of this course may be adapted to specific needs of seniors and graduate students. Prerequisite: Consent of instructor and department chairman.

## DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

### PROFESSORS:

Dean B. Priest, Ph.D.

Chairman

Bill W. Oldham, Ed.D.

Director of Mathematics Education

Stephen W. Smith, Ph.D.

Assistant Chairman

Harmon C. Brown Ph.D.

### ASSOCIATE PROFESSORS:

Stephen A. Baber, Ph.D.

Alva Gene Dugger, M.S.

Travis Thompson, Ph.D.

### ASSISTANT PROFESSORS:

\*Timothy B. Baird, M.S.

John W. Nunnally, M.S.

### ASSOCIATE INSTRUCTORS:

\*Randy Maddox, B.S.

Scott S. Ragsdale, B.B.A.

\*On leave of absence 1985-86

The objectives of the Department of Mathematics and Computer Science are to give cultural training in mathematics, to prepare teachers of secondary school mathematics, to give the basic training in mathematics needed by pre-professional students or students of science, to provide basic training in computing, and to lay a broad foundation for students majoring in mathematics.

### BACHELOR OF SCIENCE DEGREE

**Computer Science:** Major: 64 hours in C.Sc. 211, 215, 218, 261, 268, 325, 327, 328, 335, 425, 435; CIS 220; Math. 201, 251, 301 or 313, and 318; Acct.

205-206 or Physics 211-212; Mgt. 368; and 3 additional hours from business, mathematics or physics, with Acct. 205 required if Physics 211-212 is elected. A minor is not required.

**Mathematics:** Major: 30 hours of mathematics, including 251, 301, and five courses numbered 302 or above; 27 hours in two other sciences; and 6 hours in a fourth science. C.Sc. 211, Phy. Sci. 410, and Physics 211-212 are required. A minor is not required.

### BACHELOR OF ARTS DEGREE

**Mathematics:** Major: 30 hours of mathematics, including 251, 301, and five courses numbered 302 or above. C.Sc. 211 and either Physics 201-202 or 211-212 are also required.

Minor: 18 hours of mathematics, including 6 upper-level hours.

**Mathematics Education (for middle school certification):** Major: 22 hours of mathematics, including 115, 171 (or 151, 152), 201, 225, and 6 hours of upper-level work; C.Sc. 211; and 31 hours of Educ., including 203, 204, 303, 307, 320, 336, 401, 403, 412, 417, and 441. The following content and specialization courses must be completed: Art 211; Biol. 308; Econ. 315; Eng. 350; one course from Geog. 212, 300 or 301; Health Ed. 203; Music 116; and P.E. 330. Geog. 212 is accepted as a substitute for Phy. Sci. 101. A minor is not required.

**Mathematics Education (for secondary school certification):** Major: 48 hours in mathematics and computer science including: Math. 201, 251, 260, 306, 313, 318, and 323; C.Sc. 211, 215, and 316; 14 additional hours in mathematics or computer science, one course of which must be upper-level; and all courses necessary for secondary certification. A minor is not required.

**Computer Science:** Minor: 18 hours of computer science, including 6 upper-level hours. 261 and 325 are highly recommended.

Students certifying to teach mathematics at the secondary level must take 3 hours of algebra above Math. 105; Math. 201, 306, and 10 hours of electives in mathematics. Six of the elective hours must be 300-level courses or higher with 313 and 323 highly recommended.

### COMPUTER SCIENCE

**211. INTRODUCTION TO COMPUTING.** (3) Fall, Spring, Summer.  
Introduction to concepts and vocabulary of computer systems, including hardware, software, personnel requirements, and systems development. Basic programming techniques will be introduced and applied using the VAX BASIC programming language. Assignments may include applications to business, math, and the physical sciences. Fee: \$35.

**215. STRUCTURED PROGRAMMING USING PASCAL.** (3) Fall, Spring, Summer.  
The fundamental concepts of program structure and design are presented. Structured programming concepts, testing schemes, flowcharting, pseudo-code, and other program organization and design techniques will be covered. All assignments will be done in PASCAL, a block-structured programming language. Prerequisite: 211 or CIS 214 or equivalent. Fee: \$35.

**218. FORTRAN PROGRAMMING WITH APPLICATIONS.** (3) Fall.  
Programming techniques, program structure, data representation, and problem solving methods will be taught using the FORTRAN programming language. Emphasis will be placed on developing algorithms for scientific applications. Prerequisite: 151 or equivalent. Fee: \$35.

**219. STRUCTURED SYSTEMS ANALYSIS AND DESIGN.** (3) Spring.

Study of the tools and techniques needed to meet the needs of programmers, analysts, computer users, and management during the implementation of computer systems. Project cost and time analysis, project team leadership, productive communication methods, and analysis/design tools will be discussed. Tools used will include structure charts, data flow diagrams, and pseudo-code. Prerequisite: 215 or CIS 220. Fee: \$9.

**218. COMPUTER ORGANIZATION WITH ASSEMBLER PROGRAMMING.** (3) Spring.

A study of machine and assembly language programming with emphasis on computer architecture, data representation, addressing techniques, instruction formats, and logic design. Prerequisite: 215 or 218 or CIS 220. Fee: \$35.

**219/315. WORKSHOP IN MICROCOMPUTERS IN EDUCATION, GRADES K-12.** (3) Summer.

Various applications of the microcomputer will be covered for grades K-12. Techniques for debugging software; introduction to BASIC programming. No prior experience needed. Will not count toward a C.Sc. or CIS major or minor. Fee: \$10.50.

**219/316. TOPICS IN MICROCOMPUTERS.** (3) Offered on sufficient demand.

Word processing, listing, and other special purpose microcomputer software and applications. Some previous experience and a basic operating knowledge of microcomputers are required. Credit in this course will not count toward a C.Sc. or CIS major or minor. Fee: \$10.50.

**219. DATA STRUCTURES.** (3) Fall.

A study of major structures used for storing data on a computer system. Topics include: arrays, sequential and linked lists, tables, trees, graphs, and files. Major searching and sorting techniques will also be presented. Applications will be made to data management and data-base technology. All assignments will be done using the PASCAL programming language. Prerequisite: 215. Fee: \$35.

**219. OPERATIONS RESEARCH.** (3) Spring.

Dynamic programming, linear programming, transportation and network theory (PERT, traveling salesman and shortest route programs), assignment problem, inventory control, equipment replacement, scheduling problem, decision theory, queueing theory, game theory, and simulation. The emphasis will be on methodology. Prerequisites: 218 and either Math. 318 or Business 260. Fee: \$35.

**219. NUMERICAL ANALYSIS.** (3) Fall.

A study of computer solutions to a number of mathematical problems and integration, linear systems of equations, and solutions of non-linear equations. Programming assignments will be done using the FORTRAN programming language. Prerequisites: 218 and Math. 251. Fee \$35.

**219. FILE STRUCTURES AND ACCESS METHODS.** (3) Spring.

A study of advanced data structures used for the storage of files of information on a computer system and various methods for accessing that information. Topics covered will include sequential access files, indexed sequential access files, direct access files, and virtual array files. An in-depth examination of at least one commercially available file system will be presented. Assignments will be done using several programming languages. Prerequisite: 325. Fee: \$35.

**219/350. MICROCOMPUTER INTERFACING.** (3) Summer.

An introduction to the techniques of microcomputer interfacing, analog to digital conversion, and computer electronics. Prerequisite: Consent of the instructor. Fee: \$40, nonrefundable.

**219. COMPUTER ANALYST WORK EXPERIENCE.** (3) Offered on demand.

On-the-job training. Prerequisite: junior or senior standing and approval.

**219. OPERATING SYSTEMS.** (3) Fall.

A study of the historical development and current functions of operating systems. Hardware and software requirements for operating systems which support uniprogramming, multiprogramming, multiprocessing, and time-sharing will be discussed. Systems programming and advanced assembler language programming may also be covered. Prerequisites: 268 and 325.

**219. DATA BASE CONCEPTS.** (3) Fall, Spring.

A study of the fundamental concepts of data base including a history of development, definition of terms, functional requirements of complex data structures, data base administrator functions, data base utilities, data security, data integrity, and future directions. Several commercially available systems will be reviewed. Prerequisite: 325 or CIS 272. Fee: \$35.

450/650. INDEPENDENT STUDY. (1-3) Offered on demand.

Directed reading or project for senior computer science major/qualified graduate student. Prerequisite: consent of department chairman. Fee: determined by department chairman.

### MATHEMATICS

100. BEGINNING ALGEBRA. (3) Fall.

Introduction to elementary algebra. Designed to prepare students with insufficient algebra background to enroll in Math. 105. Does not count as the mathematics general education requirement nor as prerequisite to any course other than Math. 105.

101. COMPUTER LITERACY WITH MATHEMATICAL APPLICATIONS. (3) Fall, Spring.

Reading, writing, executing simple programs. Computer terminology, historical and social implications. Personal, educational, and technical uses of microcomputers as well as large computers will be achieved primarily through mathematical/logical applications. Does not count toward a major or minor in mathematics. Fee: \$9.

105. INTERMEDIATE ALGEBRA. (3) Fall, Spring.

Designed for those students who present fewer than one and one-half entrance units in algebra or have inadequate preparation. Does not count toward a major or minor in mathematics.

115. BASIC MATHEMATICS FOR ELEMENTARY TEACHERS. (3) Fall, Spring.

A course similar in content to 101 but taught with specific emphasis on the needs of the elementary teacher. Required of all elementary and special education majors. Does not count toward a major or minor in mathematics.

151. COLLEGE ALGEBRA. (4) Fall, Spring.

Rapid review of elementary algebra, quadratic equations, functions and graphs, inequalities, logarithms, ratio and proportion, variation, progressions, mathematical induction, binomial theorem, introduction to the theory of equations, determinants and complex numbers. Prerequisite: 105, or its equivalent, or consent of instructor.

152. PLANE TRIGONOMETRY. (3) Fall, Spring.

Trigonometric functions, functional relations, logarithms, solution of right and oblique triangles with application, identities, inverse functions, and equations. Prerequisites: 105, or its equivalent, and one year of plane geometry or consent of instructor.

171. COLLEGE ALGEBRA AND TRIGONOMETRY. (5) Fall.

Integrated course in college algebra and trigonometry. Recommended course for chemistry majors, preengineers, mathematics majors, and physics majors with a good background in mathematics. A student may not receive credit for 171 and 151 and/or 152. Prerequisites: One and one-half years of algebra, plane geometry, and trigonometry. Students who have a weak background in the prerequisites should elect 151 and 152.

201. ANALYTICS AND CALCULUS I. (5) Fall, Spring.

Essentials of analytic geometry with an introduction to differential and integral calculus. Prerequisite: 171, or 151 and 152, or the equivalent. Students who do not make a grade of "C" or higher on the prerequisites are advised not to take this course.

210. QUANTITATIVE BUSINESS ANALYSIS. (3) Fall, Spring.

Rapid review of elementary algebra, functions and graphs, inequalities, percentages, retail markup and markdown, decimals, fractions, simple and compound interest, systems of linear equations, matrix algebra, and linear programming including the simplex method. Prerequisite: 105, or its equivalent, or consent of instructor.

225. MATHEMATICS IN THE ELEMENTARY SCHOOL. (3) Fall, Spring.

A continuation of the topics introduced in 115, experimental and informal geometry, introduction to probability, linear equations and inequalities. Required of elementary education majors. Prerequisite: 115 or consent of instructor. Does not count toward a major or minor in mathematics except for elementary education majors.

251. ANALYTICS AND CALCULUS II. (5) Fall, Spring.

A continuation of 201. Prerequisite: 201.

260. DISCRETE MATHEMATICAL STRUCTURES. (3) Spring.

An introduction to the basic techniques and concepts of combinatorial problem solving. Topics include graph theory, counting principles, permutations, combinations, and recurrence relations. Prerequisite: 171, or 151 and 152, or the equivalent.

301. ANALYTICS AND CALCULUS III. (3) Spring.

A continuation of 251. Prerequisite: 251.

FOUNDATIONS OF GEOMETRY. (3) Spring.

An examination of Euclidean geometry with an introduction to non-Euclidean geometry. Prerequisite: 201.

331/313. LINEAR ALGEBRA. (3) Fall.

Linear equations, matrices and vector spaces, linear transformations, determinants, rational and Jordan forms, inner product spaces, and bilinear forms. Prerequisite: 251 or consent of department chairman.

338/318. PROBABILITY. (3) Fall.

Probability as a mathematical system, random variables and their distributions, limit theorems, and topics in statistical inference. Prerequisite: 251.

333/323. MODERN ALGEBRA I. (3) Fall. Alternate years; offered 1986-87.

Brief development of the complex number system beginning with the natural numbers. A study of abstract algebraic systems including groups, rings, fields, and integral domains. Prerequisite: 201 and junior standing.

331/331. INTERMEDIATE ANALYSIS I. (3) Fall. Alternate years; offered 1985-86.

Real number systems, functions, sequences, additional topics in limits, continuity, differentiation, integration, infinite and power series, and uniform convergences. Prerequisite: 301.

331/351. DIFFERENTIAL EQUATIONS. (3) Spring.

Ordinary differential equations with applications. Prerequisite: 301. Physics 211-212 is highly recommended.

319/319. PROBABILITY AND STATISTICS. (3) Offered on sufficient demand.

Estimation, decision theory and testing hypotheses, relationships in a set of random variables, linear models, and design. Prerequisite: 318.

332/332. ADVANCED CALCULUS. (3) Offered on sufficient demand.

Partial differentiation, applications to geometry of space, maxima and minima, Lagrange's multipliers, indeterminate forms, elliptic integrals, line integrals, Green's theorem, and transformation of multiple integrals. Prerequisites: 301 and consent of instructor.

450/650. DIRECTED READINGS. (1-3) Offered on demand.

Directed reading or project for senior mathematics major/qualified graduate student. Prerequisite: Consent of department chairman.

525. MATHEMATICS FOR THE ELEMENTARY TEACHER. (3) Fall, Spring. Offered in conjunction with 225.

A study of the structure of the real number system to include number bases, modular arithmetic, number operations, sets and set operations, sentences, relations, variables, and an introduction to the language of contemporary algebra. If a student has credit in 225, written approval of the instructor is required before credit in 525 can be earned.

## MEDICAL TECHNOLOGY

Premedical Technology Advisor:

Carroll W. Smith, Ph.D., Professor of Chemistry

The Departments of Biological Science, Mathematics and Computer Science, and Physical Science cooperate in offering the basic science requirements to qualify students to an affiliated and approved hospital school of medical technology for one year's clinical training. A student who satisfactorily completes the three-year program outlined elsewhere in this catalog, subsequently successfully completes the clinical program of work in an approved hospital school of medical technology, has a transcript of the successfully completed clinical program sent to the Registrar, and completes the other cataloged requirements for graduation will become a candidate for the Bachelor of Science in Medical Technology degree. The equivalent of 32 semester hours of upper-level credit will be granted for the successfully completed clinical program.



The student has the responsibility of making admission to an approved clinical program although the University will provide counsel and assistance.

Currently, Harding has affiliation with the following hospitals:

**Saint Edward Mercy Medical Center**, Fort Smith, AR 72903; Educational Coordinator: Gerre Walker.

**Arkansas Baptist Medical Center**, Little Rock, AR 72205; Program Director: Ann Childs, M.Ed.

**St. Vincent Infirmary**, Little Rock, AR 72201; Educational Coordinator: Florida C. Wishard, BSMT (ASCP).

**Baptist Memorial Hospital**, Memphis TN 38146; Program Director: Anola B. Yee, BS, MT (ASCP).

**Methodist Hospitals of Memphis**, Memphis, TN 38104; Program Director: Suzan Davis, MT (ASCP), MEd, CLS (NCA),

**Saint Francis Hospital**, Memphis, TN 38117; Program Director: Debbie Ritchie, BS, MT (ASCP).

Students who are interested in pursuing the clinical year in a hospital other than one of the six with whom Harding is affiliated should inform both the Harding Premedical Technology Advisor and the Program Director of the hospital as early as possible in their preprofessional program.

Since admission to the clinical year is highly competitive, it is recommended that a student achieve well above a 3.00 cumulative average on the 96 hours of preclinical courses outlined in the programs for the College of Arts and Sciences. At least 32 of the last 40 semester hours immediately preceding entry into the clinical year, including at least 12 upper-level hours in the sciences must be completed at Harding with a minimum 2.00 average. Each student planning to pursue the B.S.M.T. degree should obtain a written statement of approval from the Vice President for Academic Affairs of Harding prior to beginning the professional program in an affiliated hospital.

## DEPARTMENT OF MUSIC

### PROFESSORS:

Kenneth Davis, Jr., D.Mus.

Chairman

George Edward Baggett, D.M.E.

Clifton L. Ganus III, D.M.A.

William W. Hollaway, Ph.D.

### ASSOCIATE PROFESSORS:

Jeffrey T. Hopper, M.M.

Ann R. Sewell, M.M.

Arthur Lloyd Shearin, D.M.A.

### ASSISTANT PROFESSORS:

Warren Casey, M.M.E.

David A. Cox, M.M., M.L.S.

Neva White, M.M.

### INSTRUCTOR:

Patricia J. Cox, M.Ed.

The Department of Music at Harding University has been designed to achieve the following objectives.

1. To prepare students to teach music in public and private schools (K-12 and college/university levels) and to enable students to develop as private teachers.
2. To train students for useful service as songleaders, youth directors, and educational directors.
3. To train qualified students for careers in musical performance.
4. To provide for all students the cultural enrichment afforded by musical experiences.

### GENERAL REQUIREMENTS:

1. Music 101 is waived for all music degrees.
2. No more than four credit hours in Music 131-139 may apply toward the minimum 128 required for graduation, except for the Bachelor of Music majors in String Instrument and in Voice; in these majors, eight credit hours may apply.
3. A student must take a Music Skills Placement Examination at the time of initial enrollment.
4. A student must earn credit in private piano for four semesters, beginning with the semester of initial enrollment, and take the Piano Proficiency Examination at the end of the sophomore year. If the examination is not passed at that point, the student must continue to take piano for credit and retake the examination every semester thereafter until the examination is passed.
5. A student is expected to attend recitals, concerts, and lyceums.
6. A student must attend Collegium Musicum each semester except during the supervised teaching semester and earn one hour of credit for each year in residence, up to a maximum of four hours.
7. Every student will be evaluated by the departmental faculty at the close of every fall and spring semester.
8. Nonmajors may enroll in upper-level courses only with the consent of the instructor.

**CORE REQUIREMENTS:** Certain basic music skills should be common to all students who earn degrees in music. For this reason, the following 37-hour core of music courses is required: Music 111, 112, 113, 114, 140 (4 hours), 251, 252, 253, 254, 255, 256, 331 or 332, 333, and 334; 4 hours in Piano 101-202. Majors in Religious Music, Vocal/Choral, and Voice must take 331; majors in Instrumental and String Instrument must take 332. Students must participate in a music ensemble every semester.

## BACHELOR OF ARTS DEGREE 1985-1986 Harding University Catalog

**MUSIC:** Major: In addition to core requirements: 2 hours in Music 131-139, Music 335, 3 additional hours approved by the department chairman, and 6 additional hours of applied music approved by the department chairman. A minor is required. 128 hours are required for the degree.

**RELIGIOUS MUSIC AND BIBLE:** Major: In addition to core requirements, 2 hours in Music 131, 132, or 137; Music 257; 4 hours in Voice 101-202; 19 hours in Bible: 101, 112, 330, 332, 335, 336(3 hours), two courses from 211, 213, 234, and one course from 331, 333, 334. Students are encouraged to take psychology and counseling courses as electives. 128 hours are required for the degree.

### BACHELOR OF MUSIC EDUCATION DEGREE

**INSTRUMENTAL:** Major: In addition to core requirements, 15 hours in Music 211, 212, 335, 337, 338, 403, and 407; 6 hours in Instrument 101-302; 21 hours in Education 204, 307, 320 (2 hours), 336, 417, 426, and 461 (6 hours); general education requirements for certification. 142 hours are required for the degree.

**VOCAL/CHORAL:** Major: In addition to core requirements, 14 hours in Music 115, 258, 335, 403, 406, and 407; 6 hours in Voice 100-302; 21 hours in Education 204, 307, 320 (2 hours), 336, 417, 426, 461 (6 hours); general education requirements for certification. 144 hours are required for the degree.

### BACHELOR OF MUSIC DEGREE

For all three of the Bachelor of Music majors, the following waivers will be made in the general requirements: English 201 or 202, Music 101, Physical Science 101 or 102, and one of the social science courses to be elected from Economics 201, Political Science 202 or 205, and Sociology 203.

Students earning the Bachelor of Music degree are required to present a half recital during the junior year and a full recital during the senior year.

**PIANO:** Major: In addition to core requirements, 4 hours in Music 131-139; Music 213 (2 hours), 335, 404, and 407; 20 additional hours in applied piano; 8 hours in applied instrument and/or voice. 131 hours are required for the degree.

**STRING INSTRUMENT:** Major: In addition to core requirements, 8 hours in Music 136 or 138; Music 335, 405, and 407; 24 hours in String Instrument 101-402; 4 additional hours of applied music. 133 hours are required for the degree.

**VOICE:** Major: In addition to core requirements, 8 hours in Music 131 or 132; Music 335, 406, and 407; 20 hours in Voice 100-402; 4 hours in French; 4 hours in German. 133 hours are required.

**Minor in Music:** 18 hours in music, including 6 hours of upper-level work selected with approval of the department chairman.

988. PRIVATE MUSIC LESSONS. Noncredit.

989. MUSIC APPRECIATION. (2) Fall, Spring, Summer.

A study of representative works of major composers, with attention given to the correlative developments in other art areas. Does not count toward any music major.

111-112. THEORY I. (3, 3) Fall, Spring.

Partwriting, harmonization analysis, and keyboard exercises based upon the diatonic harmonies of major and minor keys. Corequisite: 113-114.

113-114. EAR TRAINING I. (1, 1) Fall, Spring.

Ear training, music reading, keyboard harmony and dictation based upon the diatonic harmonies of major and minor keys. Corequisite: 111-112.

115. ITALIAN, GERMAN, AND FRENCH DICTION. (3) Spring.

Study of songs of the Italian, German, and French repertoires for the purpose of acquiring a familiarity with pronunciation, syntax, and grammar.

116. MUSIC IN THE ELEMENTARY SCHOOL. (3) Fall, Spring, Summer.

Techniques and materials for music instruction in grades K-8. Registration is limited to nonmajors; students pursuing the B.M.E. degree must take 403.

131-139. PARTICIPATION IN MUSIC ORGANIZATION. (1) Fall, Spring.

Participation in any of the several music organizations is open to majors and non-majors. No more than four hours of credit by such participation, whether by participating in two or more organizations during a given semester or one organization for four semesters, will apply toward any degree except the Bachelor of Music degree in String Instrument or in Voice. Prerequisite: Audition before the director.

These courses are: 131 CHORALE, 132 A CAPPELLA CHORUS, 133 BAND, 134 BELLES AND BEAUX, 135 CHAMBER SINGERS, 136 STRING QUARTET, 137 TROUBADOURS, 138 CHAMBER ORCHESTRA, and 139 JAZZ BAND.

140. COLLEGIUM MUSICUM. (1 per year) Fall, Spring.

A weekly seminar designed for music majors, although non-majors may enroll. Time is spent experiencing music and discussing issues not ordinarily considered in regular curricular offerings. Credit for year-long participation is ordinarily granted in the spring semester. A student must register for noncredit in the fall semester and for credit in the spring semester.

211-212. INSTRUMENTAL INSTRUCTION. (2, 2) Fall, Spring.

Class instruction in the playing of band and orchestral instruments. Strings and brasses will be studied in the fall; woodwinds and percussion will be studied in the spring. Instrument rental fee: \$18.

213. ACCOMPANYING PRACTICUM. (1, 1) Fall, Spring.

A directed experience designed primarily for students majoring in piano. Supervision is given for accompaniment of private lessons and ensembles. May be repeated once for credit.

251-252. THEORY II. (3, 3) Fall, Spring.

Partwriting, harmonization, analysis and modulation, involving chromatic alteration. Suggested corequisite: 253-254.

253-254. EAR TRAINING II. (1, 1) Fall, Spring.

Music reading, dictation, and analysis involving chromatic harmonies. Suggested corequisite: 251-252.

255-256. MUSIC LITERATURE. (2, 2) Fall, Spring.

Study of music literature of all principal periods. One class meeting and one supervised laboratory per week.

257. SONG LEADING. (3) Spring.

The role of song leading in the congregational worship of the church with emphasis on selection, understanding, and direction of hymns in a manner conducive to reverent worship. May be applied only toward B.A. major in Religious Music and Bible. Prerequisites: 111-114.

258. ORCHESTRATION/CHORAL ARRANGING. (2) Spring.

Scoring and arranging for orchestral ensembles; arranging for choral groups of two to five parts. Prerequisite: 251.

331. CHORAL CONDUCTING. (3) Fall.

Choral conducting techniques, rehearsal procedures, musical interpretation, repertory, program building, and voice classification. Emphasis on the problems of high school choruses. Prerequisite: 252.

**332. INSTRUMENTAL CONDUCTING.** (3) Spring.

Preparation for the conducting of the high school band. Includes baton technique and rehearsal procedures. Prerequisite: 252.

**333/533-334/534. MUSIC HISTORY.** (3, 3) Fall, Spring.

The development of western music from its beginning in the Greek and Jewish cultures to its manifestations in the present century.

**335. FORM ANALYSIS.** (3) Fall.

The structural principles of music are studied through analysis and listening.

**337-338. INSTRUMENTATION.** (1, 1) Fall, Spring.

Scoring and arranging for instrumental ensembles with emphasis on the concert band.

**403. ELEMENTARY MUSIC METHODS.** (3) Fall.

Techniques and materials for music instruction in grades K through eight, including Orff and Kodaly methods. Registration restricted to music majors.

**404/504. PIANO PEDAGOGY AND REPERTORY.** (3) Fall.

Study of teaching techniques and survey of standard literature for the piano.

**405/505. STRING PEDAGOGY AND REPERTORY.** (3) Fall.

Study of teaching techniques and survey of standard literature for strings.

**406/506. VOCAL PEDAGOGY AND REPERTORY.** (3) Fall.

Study of teaching techniques and survey of standard literature for the voice.

**407. COUNTERPOINT.** (3) Fall.

The contrapuntal procedures of the eighteenth and nineteenth centuries. Practical application in the writing of rounds, canons, and inventions.

**450/650. INDEPENDENT STUDY.** (1-3) Offered on demand.

Independent study on selected topics in music. Prerequisite: Consent of the department chairman and instructor.

**APPLIED COURSES**

Private instruction is offered in piano and voice, and in string, brass, woodwind, and percussion instruments. In private study, one 30-minute lesson per week plus one hour of practice per day (70 per semester) are recommended for 1 hour of credit. An hour lesson per week and 2 hours of practice per day (140 per semester) are recommended for 2 hours of credit. Only Bachelor of Music students may enroll for 3 hours of credit; they must fulfill the 2-hour requirements plus perform additional work as directed.

Special fees are charged for all applied music courses. For each course, there is a private lesson fee. In addition, students who use departmental facilities to practice piano and voice must pay a piano rental fee commensurate with the number of applied hours being taken. The schedule of fees is listed under the special tuition and fees section of the catalog. (See Index)

The normal number of lessons per week in any one performance area is one. Make-up lessons will be given for lessons which are missed by the teacher or by the student if the student's absence is excused.

In addition to regular lessons and practice periods, all applied music students, regardless of major, will be required to attend departmental recitals held periodically throughout the year. Applied music students will also be required to perform on jury examinations at the close of each semester.

Course prefixes and names shall be assigned according to the type of private instruction being taken (PIA - Piano, VOI - Voice, CLA - Clarinet,

etc.). Course numbers will be assigned according to the number of semesters during which credit has been earned in any one area.

**VOI 100. CLASS VOICE.** (1) Fall. Offered on sufficient demand in the spring.

A class for all first-semester voice students emphasizing vocal techniques, methods, and physiology. Separate classes are taught for music majors/minors and for general students. May be repeated once. Voice majors may take Voice 100 and Voice 101 concurrently. Students who pass Voice 100 should proceed to take Voice 102.

101, 102, 201, 202, 301, 302, 401, 402. **PRIVATE LESSONS.** (1-3) Fall, Spring, Summer.

**DEPARTMENT OF  
PHYSICAL EDUCATION,  
HEALTH, AND RECREATION****PROFESSORS:**

Harry D. Olree, Ed.D.

Chairman

Ted M. Altman, Ed.D.

Karyl V. Bailey, Ph.D.

Cecil M. Beck, M.A.

Bob J. Corbin, M.Ed.

Theodore R. Lloyd, M.S.

Wilton Y. Martin, Ed.D.

Clifford John Prock, M.T.

**ASSOCIATE PROFESSORS:**

Barbara G. Barnes, M.A.T.

Jess Bucy, M.S.E.

Kathryn R. Campbell, M.A.T.

David T. Elliott, M.A.T.

Richard A. Johnson, M.A.T.

Phil Watkins, M.Ed.

**ASSISTANT PROFESSORS:**

John Boustead, M.Ed.

Nicky Boyd, M.S.E.

Ronnie D. Peacock, M.A.T.

Marjorie H. Ryan, M.A.T.

**INSTRUCTOR:**

Randy O. Tribble, M.Ed.

The Department of Physical Education, Health, and Recreation is designed to meet the recreational needs of students, the needs of those planning to teach or to coach, and the needs of those interested in recreational leadership positions associated with community organizations, camps, youth clubs, and churches.

The institutional requirement of 4 hours in physical education activity can be met by P.E. 101, and 2 additional hours from any of the following: 112, 117, 118, 119, 120, 121, 122, 124, 126, 127, 128, 214, 215, 222; Rec. 130, 131, 132, 133; and, for physical education majors and minors and sports management majors, P.E. 355, 356. Students who transfer to Harding

lacking fewer than 2 hours of physical education activity will not be required to take P.E. 101.

Veterans who have spent at least one year in the military service may receive credit for the total 4 hours of physical education required by Harding by filing a written request with the registrar.

Every student who certifies to teach at the elementary or secondary level must complete 6 hours of physical education, including Health Ed. 203 and 3 hours of activity classes. Elementary education majors must also complete P.E. 330.

All majors and minors in physical education must pass a series of sports skills tests as a prerequisite to Physical Education 355 and 356. Skills tests must be passed in two team sports selected from football, volleyball, basketball, soccer, softball, track and field, and baseball. A proficiency test must also be passed in swimming and three other dual and individual sports selected from golf, gymnastics, bowling, archery, badminton, handball, tennis, and racquetball.

**HEALTH EDUCATION:** Minor: 18 hours including Health Ed. 202, 203, P.E. 301; Biol. 275, and 6 hours elected from Health Ed. 408, 410, H.Ec. 331, and Psy. 240. Physical Education majors who minor in Health Education must take all of the preceding courses.

**PHYSICAL EDUCATION:** Major: 34 hours, 18 of which must be upper-level hours, including Health Ed. 203, P.E. 206, 301, 302; four hours elected from P.E. 304, 305, 306, 307, and 308; P.E. 355, 356, 404, 405, 415; and Rec. 320. Biol. 275 is required in addition to the 34 hours in health, physical education, and recreation. A minor is required. In addition to the courses required for the major, any student who desires to certify to teach at the secondary level must also complete Educ. 203, 204, 307, 320, 336, 417, 427, and 451. Any major who desires to certify to teach at the elementary level must complete the following courses in addition to those required for the major: P.E. 327, 329, 330; and Educ. 203, 204, 307, 320, 336, 417, and 461. Any student who desires to certify K-12 must complete the following courses in addition to those required for the major: P.E. 327, 329, 330; Educ. 203, 204, 307, 320, 336, 417, 427, and 461. All students must complete the general education courses required for certification.

Minor: 18 hours, 6 of which must be upper-level hours, including Health Ed. 203; P.E. 206; and either P.E. 355 or 356. Students certifying to teach physical education in high school must complete a minimum of 26 hours of physical education properly selected. Students should check with the department chairman as early as possible regarding meeting the prerequisites for P.E. 355 or 356.

**RECREATION:** Minor: 18 hours, 6 of which must be upper-level, including Rec. 320, 325; Soc. 203; and 9 hours elected from Art 211 or 235; Health Ed. 202 or P.E. 302; Music 116; P.E. 215, 250; Rec. 130, 131, 132, 133, 265; and Com T 204 or 206. Courses must be taken from two of the three fields of art, music and communication. Physical Education majors must have 18 hours in addition to the courses required for the major.

**SPORTS MANAGEMENT:** Major: 69 hours, including P.E. 206, 207, 250, 302, 355 or 356, 405, 407, 416; Rec. 320, 325; Acct. 205; CIS 214 or C.Sc. 211; Econ. 201; Mgt. 368; Mkt. 330; 4 hours elected from P.E. 304, 305, 306, 307, and 308; 6 hours elected from Acct. 206, Bus. 315, Mgt. 332, Mkt. 335, 336; and 12 additional career related hours approved by the chairman of the department.

#### HEALTH EDUCATION

302. **FIRST AID.** (2) Fall, Spring.

Standard Red Cross First Aid course.

303. **PERSONAL AND COMMUNITY HEALTH AND SAFETY.** (3) Fall, Spring.

Consideration of personal, school and community health and safety problems. Required of all prospective teachers.

311/511. **DRIVER AND TRAFFIC SAFETY EDUCATION I.** (3) Fall, Summer.

This course is designed to prepare teachers to organize and teach driver education and traffic safety programs in secondary schools. Fee: \$11.50.

312/512. **DRIVER AND TRAFFIC SAFETY EDUCATION II.** (3) Spring, Summer.

An advanced course in driver and safety education designed to provide prospective teachers with dual control simulation and multilar laboratory teaching experience. The course includes teaching beginners, developing programmed lessons, and a survey of methods and materials. Prerequisite: 311. Fee: \$11.50.

(High school and college students who do not have a valid driver's license may take a noncredit "learn to drive course" in connection with 312 by calling Dr. Harry D. Olree, Chairman of the Department, 501/268-6161, Ext. 249. Fee for noncredit "learn to drive course" \$86.50.)

408/508. **ORGANIZATION AND ADMINISTRATION OF THE SCHOOL HEALTH PROGRAM.** (3) Fall.

A study of the organization, administration, and supervision of the total school health program, including health services, health instruction, and healthful school environment. Consideration will be given to staff and program assessment, enlisting public support and implementation of new ideas.

410/510. **SCHOOL HEALTH INSTRUCTION.** (3) Spring.

A study of health interests and needs of the elementary and secondary school child, curriculum development, and instructional methods and materials for health education.

#### PHYSICAL EDUCATION

101. **INTRODUCTION TO PHYSICAL ACTIVITY.** (2) Fall, Spring.

A course designed to give the student concise and factual information relative to the how, what, and why of physical activity. One hour of lecture and one hour of laboratory per week plus outside class activity. Required of all freshmen.

112. **BEGINNING AND INTERMEDIATE SWIMMING.** (1) Fall, Spring.

Teaches how to adjust to the water, to breathe properly, to change direction and position in the water, and to swim by use of a basic swimming stroke. Emphasizes development of leg and arm strokes, sculling, treading water, and simple rescue methods of assisting drowning persons. Not open to a student capable of passing an intermediate swimming test.

117. **AEROBICS.** (1) Fall, Spring.

A complete aerobic workout using a variety of exercises done to music.

118. **BEGINNING BASKETBALL.** (1) Fall, Spring.

Instruction and practice in the basic skills of basketball.

119. **CONDITIONING ACTIVITIES.** (1) Fall, Spring.

Participating in exercises in order to improve body mechanics, posture, and physical fitness.

120. **ARCHERY AND BADMINTON.** (1) Fall, Spring.

Instruction and practice in the basic skills of archery and badminton. Fee: \$4.

121. **VOLLEYBALL AND TABLE TENNIS.** (1) Fall, Spring.

Instruction and practice in the basic skills of volleyball and table tennis.

122. **TENNIS AND RACQUETBALL.** (1) Fall, Spring.

Instruction and practice in the basic skills of tennis and racquetball.

- 124. GOLF AND BOWLING.** (1) Fall, Spring.  
Instruction and practice in the skills of golf and bowling. Fee: \$17.
- 126. ADAPTED ACTIVITIES.** (1) Fall, Spring.  
Instruction and practice in adapted activities for those students who are excused by the school physician from the regular activity program. May be taken four semesters for credit.
- 127. GYMNASTICS.** (1) Fall, Spring.  
Instruction and practice of the basic skills of gymnastics.
- 128. WEIGHT TRAINING.** (1) Fall, Spring.  
Instruction and practice in the basic skills of weight training.
- 206. SURVEY OF PHYSICAL EDUCATION (K-12).** (3) Fall.  
A study of the historical development of physical education, its underlying principles, and its place in the educational program.
- 207. SPORT IN AMERICA.** (3) Spring.  
A study of the social, recreational, and economic impact of sport on American society in the twentieth century.
- 214. LIFESAIVING CERTIFICATION.** (1) Fall, Spring.  
Upon successful completion of this course the student will be awarded the American Red Cross Advanced Lifesaving Certificate. Prerequisite: 112 or consent of the instructor. Fee: \$3.
- 215. WATER SAFETY INSTRUCTOR'S COURSE.** (2) Spring.  
This course consists of lectures on methods and organization, and practice in teaching the American Red Cross swimming and water safety courses. Open to card-carrying Red Cross Water Safety Instructors whose appointments have lapsed and persons holding current advanced lifesaving certificates. American Red Cross WSI Cards will be issued to those satisfactorily completing the course.
- 222. ADVANCED TENNIS.** (1) Fall, Spring.  
Instruction and practice in the advanced skills and techniques of tennis. Prerequisite: 122 or the ability to pass an intermediate tennis test.
- 250. SPORTS OFFICIATING.** (2) Fall.  
A study of the principles and techniques of officiating competitive sports.
- 301/501. KINESIOLOGY AND BIOMECHANICS.** (3) Fall.  
A study of major muscle groups and their relationship to various body movements. Consideration is also given to various activities which contribute to the functional development of major muscle groups. Prerequisite: Biology 275 or consent of the instructor.
- 302/502. PREVENTION AND TREATMENT OF ATHLETIC INJURIES.** (3) Fall.  
A study of the prevention of athletic injuries and the different forms of therapy in the treatment of injuries common to athletics and physical education. Fee: \$5.
- 304. COACHING FOOTBALL.** (2) Fall.  
Coaching and officiating football.
- 305. COACHING TRACK AND FIELD.** (2) Spring.  
Coaching and officiating track and field.
- 306. COACHING BASKETBALL.** (2) Spring.  
Coaching and officiating basketball.
- 307. COACHING BASEBALL.** (2) Spring.  
Coaching and officiating baseball.
- 308. COACHING SOFTBALL AND VOLLEYBALL.** (2) Fall. Alternate years; offered 1986-87.  
A study of the theory and techniques of coaching and officiating softball and volleyball.
- 327. BASIC MOVEMENT AND GYMNASTICS FOR CHILDREN.** (3) Fall. Alternate years; offered 1985-86.  
Instruction in developmental movement patterns and basic body control for preschool and elementary children. Also includes fundamentals of beginning gymnastics. Required of all who seek elementary or K-12 certification in physical education.
- 329. RHYTHMIC ACTIVITIES AND LEAD-UP GAMES FOR CHILDREN.** (3) Spring. Alternate years; offered 1985-86.  
Principles and practices of body movement and response to rhythm. Primary and lead-up games for children. Required of those students who desire to teach physical education in the elementary or K-12 level. Required of all who seek elementary or K-12 certification in physical education.

- A study of methods as they apply to the total program and to the organization, instruction, and selection of activities at the class level. Required of prospective elementary teachers. Fee: \$4.
- 309. THEORY AND TECHNIQUES OF TEACHING SPORT SKILLS I.** (3) Fall.  
Theory and techniques of teaching tennis, golf, soccer, and aerobics, and a thorough development of skills in these activities. For majors and minors only. Prerequisite: Must have passed a proficiency skills test in two team sports, swimming, and three other dual and individual sports. Fee: \$7.50.
- 309. THEORY AND TECHNIQUES OF TEACHING SPORT SKILLS II.** (3) Spring.  
Theory and techniques of teaching gymnastics, volleyball, badminton, and archery, and a thorough development of skills in these activities. For majors and minors only. Prerequisite: Must have passed a proficiency skills test in two team sports, swimming, and three other dual and individual sports. Fee: \$4.
- 309/504. MEASUREMENT AND EVALUATION IN PHYSICAL EDUCATION.** (3) Fall.  
Acquaints students with the various testing devices in physical education and gives practice in the use of these devices.
- 309/505. ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION (K-12).** (3) Fall.  
A study of the principles of organization and administration of physical education and the athletic programs. Consideration will be given to personnel, schedules, equipment and facilities, records, budget and finance, legal aspects, publicity and public relations, athletic associations, eligibility regulations, contracts and officials.
- 309/506. MOTOR LEARNING AND PERFORMANCE.** (3) Offered on sufficient demand.  
Psychological and physiological factors related to the development of motor skill; emphasis on the teacher's role in facilitating learning. Includes review and analysis of appropriate research.
- 309/507. PHYSIOLOGY OF EXERCISE.** (3) Spring. Alternate years; offered 1985-86.  
Fundamental concepts of human physiology and their application to programs of physical education and sports.
- 415/515. ADAPTED PHYSICAL EDUCATION AND RECREATION ACTIVITIES.** (3) Fall, Spring.  
Methods, techniques, screening, and special programs for physical education and recreation activity for the atypical student. Required of all special education majors.
- 416. FIELD PLACEMENT.** (6) Fall, Spring, Summer.  
Participation in an approved business or recreational setting. Placement made with the student's career goal in mind. Prerequisite: Approval of the department chairman.
- 450. SEMINAR IN PHYSICAL EDUCATION.** (2) Offered on sufficient demand.  
Open only to majors in physical education in their senior year.

## RECREATION

- 130. OUTDOOR ACTIVITIES.** (1) Fall, Spring.  
The course will introduce students to various activities that are associated with the out-of-doors. Instruction will be provided in survival techniques, boat handling safety, canoeing, camping and activities associated with camping, supervision of outdoor activities, gun safety, and cookery. In addition, opportunity for practical experiences in a number of out-of-doors activities will be provided. Fee: \$23.
- 131. HUNTING AND GUN SAFETY.** (1) Fall.  
Instruction in gun care and safety as well as techniques used in big game, waterfowl, and upland game hunting. This course meets all state requirements for hunter safety certification.
- 132. BAIT CASTING, FISHING, AND BOATING SAFETY.** (1) Spring.  
Instruction in the proper use of bait casting equipment, fishing techniques for various species, current boating laws, and regulations designed for the safe operation of water craft.
- 133. RECREATIONAL ACTIVITIES.** (1) Offered on sufficient demand.  
One or two activities will be taught each time the course is offered. The offering will vary from term to term but will include such activities as snow skiing, canoeing, backpacking, and bicycle touring. The course may be taken any number of times for credit as long as activities are not repeated. Fee: Varies with activity.

265. **CAMP LEADERSHIP.** (2) Spring.

Study of and participation in camp organization, camp promotion, campfire programs, nature observation, camp athletics, hiking, and outdoor cooking. Fee: \$8.50.

320. **ORGANIZATION AND SUPERVISION OF RECREATION PROGRAMS.** (3) Fall.

History of the recreation movement, methods of organizing and supervising various types of institutional and community recreation programs, and a survey of vocational opportunities in the field.

325. **RECREATIONAL SPORTS AND ACTIVITIES.** (3) Spring.

Deals with aims and objectives, organization, administration of competitive and noncompetitive activities and games for all ages, schedule making, scoring plans, rules and regulations, publicity, and public relations.

## DEPARTMENT OF PHYSICAL SCIENCE

### PROFESSORS:

William D. Williams, Ph.D.

Chairman

James Donald England, Ph.D.

James E. Mackey, Ph.D.

Joseph E. Pryor, Ph.D.

Carroll W. Smith, Ph.D.

Edmond W. Wilson, Jr., Ph.D.

### ASSOCIATE PROFESSORS:

Lambert E. Murray, Ph.D.

Clifford E. Sharp, M.S.T.

The Department of Physical Science is organized with the following objectives in view: to increase the general culture of all students; to prepare high school science teachers; to provide the basic training for preprofessional students of medicine, engineering, and other professional fields; and to prepare chemistry and physics majors for graduate study or industrial work. The Bachelor of Science degree is awarded to chemistry and physics majors. **A breakage deposit of \$30 (returnable less breakage) is required in each course that has a laboratory.** The general science degree programs are outlined elsewhere in this catalog. (See Index)

**BIOCHEMISTRY:** Major: 72 hours in chemistry, biology, mathematics, and physics, including Chem. 121, 122, 261, 262, 301, 302, 310, 324, 325, 326, 327, 411, 412; Biol. 151, 420; Physics 211, 212; Phy. Sci. 410; and Math. 171 (or 151, 152), 201, 251. C.Sc. 211 and German 105-106 are also required. Biol. 315, Chem. 312, and Math. 301 are recommended. Premedical and pre dental students will need to take Biol. 251 and 263 prior to taking their respective admissions tests. A minor is not required.

**CHEMISTRY:** Major: 35 hours of chemistry, including 121, 122, 261, 301, 302, 310, 411, 412, and 6 additional upper-level hours. The following supporting courses or equivalents must be completed: Physics 211-212, C.Sc. 211, Math. 251, Phy. Sci. 410, and additional science, computing and/or mathematics to total 69 hours in this area. Participation in a departmental seminar, Chem. 310, with a passing grade is required of all junior and senior majors. In addition, German 105-106 is required. Chem.

Math. 301, 351, and Physics 301 are recommended. A minor is not required.

**CHEMISTRY (with a minor in management):** Major: Requirements are same as Chemistry major except 32 hours of chemistry and omit German 105-106. Minor includes Econ. 201, Acct. 205, Mgt. 368, 354, and 6 hours selected from Bus. 315, Mkt. 330, Mgt. 332, Econ. 202, or one additional course in C.Sc. or CIS.

Minor: 18 hours of chemistry, including 6 upper-level hours.

**PHYSICS:** Major: 34 hours of physics, including 211, 212, 301, 305, 310, 312, 325, 411, 412, 425, 431, and at least 2 hours of intermediate and/or advanced laboratory. The following supporting courses or equivalents must be completed: Chem. 121, 122; C.Sc. 218; Math 301 and 351; Phy. Sci. 410; and additional natural science; computer science and/or mathematics to total 69 hours in this area. Two semesters of a modern foreign language or the equivalent proficiency are required. A double major in physics and mathematics or physics and computer science is highly recommended. A minor is not required.

**Cooperative Major:** A major in physics is also offered in cooperation with the University of Arkansas. The student will normally enroll at the University of Arkansas for the senior year. A 3-2 program is offered in cooperation with Georgia Institute of Technology.

Minor: 18 hours in physics including 6 hours of upper-level credit.

### CHEMISTRY

**114-115. GENERAL CHEMISTRY.** (4, 4) Fall, Spring.

The fundamental principles and applications of chemistry. 114 includes basic inorganic concepts and 115 presents a survey of organic chemistry and applications to biological systems. Prerequisites: Two years of high school algebra or Math. 105 and, for freshmen, minimum scores of 14 on both the English and mathematics sections of the ACT. Credit in both 115 and 122 will not be granted.

**121-122. COLLEGE CHEMISTRY.** (4, 4) Fall, Spring.

The theoretical and quantitative principles of inorganic chemistry, including laboratory qualitative analysis. Prerequisites: One year of high school chemistry or 114 and Math. 151 or higher which may be taken concurrently. Credit in both 115 and 122 will not be granted.

**261. ANALYTICAL CHEMISTRY I.** (4) Fall.

The basic theories and techniques of qualitative and quantitative chemical separations and analyses emphasizing chemical equilibrium, gravimetric and volumetric analysis. Two class periods and six hours laboratory per week. Prerequisite: 122. Computer Fee: \$17.50.

**262. ANALYTICAL CHEMISTRY II.** (4) Spring. Alternate years; offered 1985-86.

Continuation of 261 emphasizing instrumental analysis. Two class periods and six hours laboratory per week. Prerequisite: 261. Computer fee: \$17.50.

**271. ORGANIC CHEMISTRY PRINCIPLES.** (4) Fall.

A one-semester study of organic chemistry. This course is designed for students of biology, home economics, nursing, education, and preprofessional curricula requiring only four hours of organic chemistry. Approved by NAACLS for medical technology majors. Three class periods and four hours of laboratory per week. Prerequisite: 115 or 122. Credit is voided by earning credit in 301 and/or 302.

**301-302. ORGANIC CHEMISTRY.** (4, 4) Fall, Spring.

An integrated approach to structure and mechanism in organic chemistry, including nomenclature, classification, synthesis, properties, and uses of the compounds of carbon. Three class periods and four hours laboratory per week. Prerequisite: 122.

**310. CHEMICAL COMMUNICATIONS.** (1) Fall, Spring.

The sources of information in the field of chemistry, the use of chemical literature, and departmental seminar. Required of all junior and senior majors, but credit is earned only in the spring semester of the senior year.

**312. ADVANCED INORGANIC CHEMISTRY.** (3) Spring. Alternate years; offered 1986-87  
Advanced topics in inorganic chemistry including atomic structure, periodic system, chemical bonding, coordination chemistry, and radioactivity. Three class periods per week. Prerequisite: 122, Physics 202 or equivalent.

**324. BIOCHEMISTRY I.** (3) Spring.

The basic concepts of the chemistry of metabolism and carbohydrates, lipids, proteins, nucleic acids, vitamins, and hormones are considered with special consideration being given to biochemical energetics and molecular biochemistry. Three class periods per week. Prerequisite: 271 or 301.

**325. BIOCHEMISTRY LABORATORY I.** (1) Spring.

A laboratory designed to study physiology and biochemistry at the cellular level. Prerequisite: Enrollment or credit in 324. Voids credit in Biol. 421/521.

**326. BIOCHEMISTRY II.** (3) Fall.

Continuation of 324 with added emphasis given to enzymology, protein and nucleic acid metabolism, and photosynthesis. Additional special topics in the field of biochemistry may be considered. Three class periods per week. Prerequisite: 324.

**327. BIOCHEMISTRY LABORATORY II.** (1) Fall.

The laboratory exercises are designed to build upon the physical and bioorganic applications of biochemistry. Prerequisites: 325 and enrollment in or credit in 326.

**405/505. RESEARCH TECHNIQUES.** (1 or 2) Fall, Spring.

An introduction to research methodology and techniques. Inorganic, organic, analytical, radioisotope, physical or biochemical research projects may be chosen according to student goals and staff interests. A minimum of three hours of laboratory per week for each hour of credit. May be repeated but not more than 2 hours may count toward the 35 required for a major. Prerequisites: Junior standing and consent of faculty member who will advise.

**411/511-412/512. PHYSICAL CHEMISTRY.** (4, 4) Fall, Spring.

Fundamental principles of physical chemistry including states of matter, thermodynamics, equilibria, kinetics, electrochemistry, spectroscopy, and quantum mechanics. Three class periods and four hours laboratory per week. Prerequisites: 261 and 302, Physics 211-212 and Math. 251. Computer Fee: \$17.50.

## PHYSICAL SCIENCE

**101. EARTH SCIENCE.** (2) Fall, Spring.

An introduction to the philosophy and methodology of science. Some basic concepts of astronomy, geology, meteorology, and conservation of natural resources.

**102. PHYSICAL SCIENCE.** (2) Fall, Spring.

Some basic concepts of chemistry and physics.

**410. THE CHRISTIAN VIEW OF SCIENCE AND SCRIPTURE.** (2 or 3) Spring.

Some of the topics considered are the Bible and science, presuppositions, logic, probability, scientific methods, origins, evolution, ethics, and the reasonableness of Christian faith. Open only to senior B.S. science and mathematics majors and to senior B.A. science and mathematics majors with the breadth and depth of scientific background needed for the course. Required of all B.S. science and mathematics majors. Approved as an upper-level Bible substitute.

## PHYSICS

**201-202. GENERAL PHYSICS.** (4, 4) Fall, Spring.

Beginning physics course primarily for preprofessional programs. This may not be applied to a major or minor in physics without approval of the department chairman. Material normally covered will be mechanics, thermodynamics, acoustics, optics, and electricity. Three hours lecture and three hours laboratory per week. Prerequisite: Math. 151, 152, or equivalent. Credit in both 201-202 and 211-212 will not be granted.

**211-212. COLLEGE PHYSICS.** (4, 4) Fall, Spring.

Beginning physics course for physical science and mathematics majors and preengineers. This course is designed to provide a fundamental background for further studies in physics. Material normally covered will be mechanics, thermodynamics, acoustics, optics, and electricity. Three hours lecture and three hours laboratory per week. Prerequisite: Concurrent

credit in Math. 251 and a grade of "C" in Math. 201. Credit in both 201-202 and 211-212 will not be granted.

**301. MODERN PHYSICS.** (4) Fall.

Some of the important twentieth century advances in the field of physics selected from electromagnetic radiation, atomic structure, X-rays, spectroscopy, theory of relativity, the quantum theory, and nuclear physics. Three class periods per week and three hours laboratory per week. Prerequisites: 201-202 or 211-212 and Math. 251.

**302. ELECTRONICS.** (2) Fall, Spring.

An introduction to the basic principles of digital and analog circuits. Students will study the functions of basic digital gates or operational amplifiers and learn how to interconnect these devices to make electronic devices. Some knowledge of Ohm's law and basic electricity is helpful but not required. Three to five hours laboratory per week. Prerequisite: Consent of the instructor.

**303. PHYSICS COMMUNICATIONS.** (1) Fall, Spring.

The sources of information in the field of physics, the use of physics literature, and departmental seminar. Required of all junior and senior majors, but credit is earned only in the spring semester of the senior year.

**304. OPTICS.** (3) Spring. Offered on sufficient demand.

A study of geometrical and physical optics, including a rigorous treatment of basic principles and the theory of certain optical instruments. Three class periods per week. Prerequisites: 201-202 or 211-212 and Math. 301. The latter may be taken concurrently.

**305. APPLIED MATHEMATICS FOR SCIENCE AND ENGINEERING.** (3) Fall.

A survey of various mathematical techniques employed in the study of physics. Topics covered will vary according to the background of the students. Normally included are Fourier series, complex analysis, calculus of variations, and integral transforms. Prerequisite: Math. 301.

**306. ANALYTICAL MECHANICS.** (3) Spring.

Kinematics of point masses and bodies with an introduction to vector analysis, stressing the use of mathematics in interpreting natural phenomena. Three class periods per week. Prerequisite: 211-212 and Math. 351. Physics 312 is strongly recommended.

**308. INTERMEDIATE LABORATORY.** (1-2) Offered on demand.

Experiments related to intermediate courses in physics with emphasis on modern physics and optics. Normally the laboratory is taken concurrently with the respective intermediate course. Three hours of laboratory per week for each hour of credit. Prerequisites: 211-212 and enrollment or credit in some course beyond general physics, or consent of the instructor.

**411/511-412/512. ELECTROMAGNETIC THEORY.** (3, 3) Fall, Spring. Alternate years; offered 1986-87.

The properties of electric and magnetic fields, electrostatics, and Maxwell's equations. Both semesters must be taken. Three hours lecture per week. Pre- or corequisite: Math. 351.

**415/515. ADVANCED LABORATORY.** (1) Offered on demand.

Selected experimental problems of an advanced undergraduate level from various areas of physics. Not less than three laboratory hours per week. May be taken two times for credit. Prerequisite: Advanced standing in physics and approval of instructor.

**425/525. THERMODYNAMICS AND STATISTICAL MECHANICS.** (3) Spring. Alternate years; offered 1985-86.

A study of the thermal properties of matter including the first, second, and third laws of thermodynamics and their applications with an introduction to statistical mechanics. Three hours lecture per week. Prerequisite: 211-212 and Math. 301 or consent of the instructor.

**431/531. QUANTUM MECHANICS.** (3) Fall. Alternate years; offered 1985-86.

An introduction to the formulation of nonrelativistic quantum mechanics and its applications. Prerequisites: 301, Math. 351, or Chem. 412, or consent of the instructor.

**444/544. SELECTED TOPICS.** (3) Offered on sufficient demand.

Study of certain advanced physics topics. Class meetings will be arranged by the instructor. Prerequisite: Consent of the instructor.

**450/650. INDEPENDENT STUDY.** (1-3) Offered on demand.

Directed readings and/or research for qualified senior/graduate physics majors. Prerequisite: Consent of the appropriate member of physics faculty.

DEPARTMENT OF  
PSYCHOLOGY

PROFESSORS:

Jack D. Thomas, Ph.D.  
Chairman

Walter L. Porter, Ph.D.

ASSOCIATE PROFESSORS:

Robert McKelvain, Ph.D.

Lewis L. Moore, Ph.D.

ASSISTANT PROFESSOR:

Dwight Ireland, Ed.D.

The Department of Psychology has been designed to achieve the following objectives:

1. To provide a basic education in the science of psychology.
2. To assist the students in promoting their skills in human relations.
3. To prepare students for advanced study leading to a professional career in psychology and/or counseling.
4. To relate and integrate the psychological truths found in the Word of God with the knowledge of modern psychological science in order to promote a more complete understanding of human nature.

**PSYCHOLOGY:** Major: 36 hours in psychology, including 201, 325, 380, 382, 385, 400, 409, 412, and 438. Students preparing for graduate study in psychology should also take 240, 315, 375, and 424. In addition, Math. 105 or a more advanced course is also required. Also, Psy. 440/540, Field Experiences, is highly recommended.

**PSYCHOLOGY** (for those certifying to teach psychology): Major: 36 hours in approved psychology courses, 18 of which must be upper-level hours, including 201, 240, 307, 315, 380, 382, and 438. In addition, certification in a second teaching field, including supervised teaching, is required.

Those students who plan to do graduate study in psychology are **strongly encouraged** to elect Biol. 275, 276 and C.Sc. 211 in their undergraduate program.

Minor: 18 hours in psychology, including 201 and 6 hours of upper-level work.

Minor (for Bible majors): 201, 240, 380, 382, 385, and 412.

**131. PRINCIPLES OF HUMAN PSYCHOLOGY.** (3) Fall, Spring.

Application of principles of learning, personality, physiological, developmental, abnormal and social psychology to human behavior. Emphasis on use of psychological principles and skills for personal growth.

**201. GENERAL PSYCHOLOGY.** (3) Fall, Spring.

An introductory course which is a prerequisite to all higher-level courses in psychology. The course deals with learning, thinking, development, social behavior, motives and emotions, and both the normal and abnormal personality. The course provides an overview of modern psychology in terms of both biological and social factors. Open to first semester freshmen.

**240. DEVELOPMENTAL PSYCHOLOGY.** (3) Fall, Spring.

General study of all aspects of psychological development from infancy through adulthood with emphasis on physical and motor, mental and language, emotional and social development. Prerequisite: 201.

**325/380. BIOLOGICAL PSYCHOLOGY.** (4) Fall.

A study of the basic biological processes contributing to human behavior, including a detailed review of the nervous system with an emphasis on sensory processes. Three class periods and two hours laboratory per week. Prerequisite: 201 or consent of instructor. Fee: \$11.50.

**325/525. STATISTICS.** (3) Fall.

An introduction to the scientific method as applied to psychology through a study of research techniques and mathematical analysis. Emphasis upon developing skill with descriptive statistics. Two class periods and two hours laboratory per week. Prerequisites: 201, C.Sc. 211 or consent of instructor. Fee: \$11.50.

**375. EXPERIMENTAL PSYCHOLOGY.** (4) Spring.

Introduction to the methods of psychological science. Emphasis in the design and analysis of experiments including experience with laboratory techniques for both animal and human subjects. Three class periods and three hours laboratory per week. Prerequisite: 325. Fee: \$11.50.

**376. EXPERIMENTAL PSYCHOLOGY SEMINAR.** (3) Offered on demand.

Supervised study in conducting psychological research, including experience in the review of research literature, design, data gathering and analysis, and report writing. Emphasis will be on preparing students for graduate-level research. Prerequisites: 375 and consent of instructor.

**380/580. PSYCHOLOGY OF PERSONALITY.** (3) Fall.

Representative theories of personality are analyzed for their contribution to understanding human growth and development, psychopathology, and behavior change. The relationship of theory to assessment and research is examined. Prerequisite: 201.

**382/582. BEHAVIORAL DISORDERS.** (3) Spring.

A study of basic concepts of psychopathology with emphasis on the development of behavior deviations and descriptions of various types of behavioral disorders. Prerequisite: 201 or Educ. 203.

**385/585. COUNSELING.** (3) Fall, Spring.

A course designed to give students a thorough knowledge of the theories and philosophies underlying current practices in the field of counseling. Special attention is given to helping students develop their own theory and techniques. Prerequisites: Junior standing, 380, and 382.

**400/500. PSYCHOLOGICAL TESTING.** (3) Spring.

History and development of mental measurements, theory of test construction, and techniques for test evaluation. Emphasis upon developing familiarity with various tests of intelligence, personality, interest, and special aptitudes. Prerequisites: 201 and 325, or consent of instructor. Fee: \$11.50.

**409/509. EXPERIMENTAL SOCIAL PSYCHOLOGY.** (3) Fall, Spring.

Study of theories, methods, and findings in social psychology. Emphasis on critical reading of research literature. Prerequisite: 375.

**412/512. TECHNIQUES OF COUNSELING.** (3) Spring.

Methods of gathering, analyzing, and interpreting case data in counseling. The analysis of counselor-counselee relationship. Interviewing techniques. Three class periods and two hours laboratory per week. Prerequisite: 385. Fee: \$11.50.

**424/524. HISTORY AND SYSTEMS.** (3) Fall.

A study of the historical and philosophical developments of psychology, emphasis upon contributions of important leaders and schools of psychology, and consideration of current problems in psychology. Prerequisite: 18 hours of psychology or consent of instructor.

**438/538. PSYCHOLOGY OF LEARNING.** (3) Spring.

A study of the psychological principles involved in learning, including memory and motivation, and their applications to the understanding of human development and personality. Prerequisite: 201 or consent of instructor.

**440/540. FIELD EXPERIENCE IN PSYCHOLOGY.** (1-3) Offered on demand.

Participation in an approved mental health, mental retardation school, industrial or experimental setting. Experience supervised by a professor in the area of the student's interest. Prerequisites: 12 hours in psychology and consent of the department chairman.

**450/650. INDEPENDENT STUDY.** (1-3) Fall, Spring.

Individual study or research for qualified senior/graduate majors in psychology. May be taken three times for credit. "Psychology from the Bible" is normally available each fall and spring to those who have 12 hours of psychology credit. Other studies that may be chosen are "Health Psychology," "Analysis of Psychological Data," "Psychotropic Medications," and "Industrial Psychology." Prerequisite: Consent of department chairman and instructor.



1995-1996 Harding University Catalog  
DEPARTMENT OF SOCIOLOGY  
AND SOCIAL WORK

PROFESSOR:

Billy D. Verkler, Ph.D., L.S.W.  
Chairman

ASSOCIATE PROFESSOR:

Francis Van Tate, Ph.D.

ASSISTANT PROFESSORS:

Maribeth Downing, Ph.D.

Mary Shock, M.S.S.W., L.C.S.W.

Director of Social Work Program

Ann Louise Pace, M.S.S.W., A.C.S.W., L.S.C.W.

INSTRUCTOR:

Dirk W. Creason, M.S.W., L.C.S.W.

The Department of Sociology and Social Work seeks to achieve the following objectives:

1. Develop in students an understanding of the social and cultural aspects of human behavior.
2. Acquaint students with the nature of society through application of the scientific method.
3. Provide basic background for students who seek careers in sociology and various social services.
4. Prepare students adequately for graduate and professional study in sociology and social work.
5. Provide students with other majors a fundamental knowledge of human relations so that they can function more efficiently in various facets of modern society.
6. Assist students interested in mission work to understand cultures other than their own.

**BACHELOR OF ARTS DEGREE**

**SOCIOLOGY:** Major: 33 hours in approved courses, including 203, 325, 330, 408, 430, 440, 450; and Anthro. 250. Six hours of a foreign language are highly recommended. A minor is required.

Minor: 18 hours, including 203 and 6 hours of upper-level work.

**APPLIED SOCIOLOGY:** Major: A 24-hour core of Anthropology 250, Sociology 203, 325, 330, 408, 430, 440, and 450. **For a research emphasis:** 31 hours, including C.Sc. 211, 215, 218; Eng. 281; Com M 280, 301; Math. 151; SW 400; and six elective hours in the department. **For a corrections emphasis:** 33 hours, including Psy. 380, 382, 385; Soc. 342, 350, 355; SW 400; and 9 elective hours selected by the department. **For an administration and planning emphasis:** 30 hours, including 281; Geo. 212; Mgt. 332; Pol. Sci. 304; Soc. 350, 355, 451; and 9 elective hours selected by the department. **For a public relations and marketing research emphasis:** 34 hours, including Soc. 350 or Mgt. 386, 355; SW 400; Anthro. 381 or Psy. 380; Com M 280, 303, 394, 396; Mkt. 330, 400; Eng. 281; C.Sc. 211.

Recommended electives are Com M 251, Soc. 405, Pol. Sci. 304, and Com M 301. A minor is not required.

**Minor in Anthropology:** 18 hours from the department, including Anthro. 305, 320, 381, 401, and Soc. 440.

**Minor in Family Life:** 22 hours, including Bible 234; Econ. 320; Home Ec. 351; Psy. 240 or Home Ec. 323; Soc. 401, 345; and 3 hours elected from Anthro. 381, Bible 321, Home Ec. 322, and SW 399. If one of the courses is included in the major, then another elective must be chosen as part of the 22 hours.

**Minor in Human Services:** 21 hours, including SW 275, 300 and 350 or 351; Soc 350 and 405 or 408; and 6 hours from SW 399, 400 and Soc. 342, 345.

**BACHELOR OF SOCIAL WORK DEGREE**

The principal educational objective of the major in social work is to prepare students beginning social work practice. The program is accredited at the baccalaureate level by the Council on Social Work Education, the national professional accrediting agency for social work.

**Admission to the Social Work Program**

Students who wish to enter the social work program must apply to the Director of the Social Work Program after they have completed SW 275 (Introduction to Social Welfare and Social Work). Criteria for admission are:

- A. A cumulative grade point average of 2.0.
- B. The 16 Personality Factor Inventory (16PF) profile is discussed with each student's advisor.
- C. Evaluations completed by two teachers other than social work instructors.
- D. Completion of the application for admission forms.

The Social Work Program Admission Committee evaluates all students on the basis of these factors. When the committee has completed its evaluation of the applicant, a report is sent to individual applicants for their information. Students admitted to the Social Work Program are ready for Social Work 350 (Methods I).

**Admission to the Senior Year Program.**

Upon completion of SW 351 (Methods II) the Social Work Program Admission Committee meets to discuss the academic performance and the growth of each student within the Social Work role. Students not approved for admission to the senior year field placement consult with their faculty advisors to develop an individual program of academic and/or personal enrichment. Either the student or faculty advisor, acting on behalf of the student, may ask for admission to the senior year program after one semester.

**Adjudication of Grievances**

In instances where student rights are allegedly denied or violated as part of either the admission process or classroom experience in the Social Work

Program, the student may file a grievance by contacting the Social Work Program Director or other University faculty.

Transfer credit: Credit for course work taken elsewhere is given based on an investigation of course content rather than course title. In general, no transfer credit may be substituted for the following courses: SW 350, 351, 352, 450, and 451.

Honor Society: The Beta Lambda chapter of Alpha Delta Mu, national college honor society in social work, was chartered at Harding University in April 1980. Membership is by invitation based on scholastic achievement, character and involvement.

**SOCIAL WORK:** Major: 66 hours of anthropology, psychology, social work, and sociology, including Anthro. 250, 381; Psy 201, 382; SW 275, 300, 350, 351, 352 412, 450 (for 9 hours), 451; and Soc. 203, 305, 325, 330, 350, 405, 408, 410. A minor is not required. A curriculum plan for each year is presented elsewhere in this catalog. (See Index.)

#### ANTHROPOLOGY

**250. ANTHROPOLOGY.** (3) Spring.

An introduction to the diversity of culture. Comparison of behavioral patterns and values in various societies with an emphasis on understanding and appreciating cultural diversity. Attention is given to the problems of cross-cultural communication.

**320. ETHNOLOGY.** (3) Offered on sufficient demand.

Study of a variety of world cultures with emphasis placed upon kinship, political and economic systems, religion, value systems, and social change. Prerequisite: Consent of instructor and department chairman.

**381. CULTURE AND PERSONALITY.** (3) Fall.

The impact of culture on the development of individual personality. A survey of different theories of personality and their contribution toward understanding human behavior. Relation of theory to research and applications. Prerequisite: Soc. 203 and/or Psy. 201.

**401. APPLIED ANTHROPOLOGY.** (3) Spring. Alternate years; offered 1985-86.

Practical application of the understanding of man. How to identify and communicate with other people within and across cultures. Important for anyone who will be communicating with others, especially in foreign cultures and subcultures within American culture. Prerequisite: 250 or consent of instructor.

#### SOCIAL WORK

**275. INTRODUCTION TO SOCIAL WELFARE AND SOCIAL WORK.** (3) Fall.

A study of the development of social work and the social welfare institution: structure, function, and process. An introduction to social work practice, values, and professional orientation. Prerequisites: Psy. 201 and Soc. 203 or consent of program director.

**300. SOCIAL WELFARE POLICY.** (3) Spring.

Examination of basic social welfare policies and their relation to current social work practice. Consideration of both legislative and agency processes of policy formulation. Special attention is given to Social Security guidelines. Prerequisite: 275 or consent of program director.

**350. METHODS OF BASIC HELPING SKILLS (Methods I).** (3) Fall.

A study of values clarification from a social work perspective along with an enhancement of student use of systems approach to problem solving. Developing communication skills (verbal and nonverbal) by small group training and practice experience as well as examining practitioners' use of self in the change process and development of a personal identity within the social work role. Prerequisite: 275.

**351/551. METHODS OF COUNSELING (Methods II).** (3) Spring.

Development, knowledge, and skill in problem identification, strategy selection, and implementation of varied intervention approaches with individuals, groups, and in the larger communities. Practice in expository writing, including assessments and case recording. Prerequisite: 350 or consent of program director.

**355. ISSUES IN SOCIAL PRACTICE (Methods III).** (3) Fall.

Examining and developing methods of dealing with current social issues and social work practice, including minorities, women issues, etc. Prerequisite: 351.

**355/399. PRINCIPLES OF CASEWORK WITH CHILDREN.** (3) Spring.

Developing skills needed in working with children who have unique problems who may be from unstable homes or who have been removed from their natural parents. Particular attention will be given to the cause and effect of overt behaviors that are manifestations of inner turmoil.

**355/400. GROUP PROCESSES.** (3) Spring.

Organization of group and development of leadership, group modification of individual conduct, group work, research, and the use of groups in the promotion of mental health.

**451. COMMUNITY PRACTICUM.** (3) Fall.

A combination of seminar and extended community contact with service agencies designed to expose the student to practice in an agency setting. Teams of students will carry out project assignments under the joint supervision of the department and the community agency. Prerequisites: 351 and Soc. 305.

**480. FIELD PLACEMENT.** (9) Offered on demand.

Placement of student in social work agency for 480 hours of supervised field practice. All core courses must be completed prior to placement.

**481. SOCIAL WORK SEMINAR.** (3) Offered on demand.

Review of latest developments in social work; analysis of problems encountered in field placement; development of self-awareness and individual worker style. Corequisite: 450.

#### SOCIOLOGY

**203. GENERAL SOCIOLOGY.** (3) Fall, Spring.

An introduction of the general principles of sociology giving a broad perspective of the nature of society and its problems in terms of social institutions, forces, and changes. Attention is given to cultural diversity and understanding of group interaction in our multiethnic society.

**205. THE AMERICAN COMMUNITY.** (3) Spring.

A study of the organization and structure of the American community. Emphasis is given to the various elements of community living and the function of the community. Prerequisite: 203.

**325. INTRODUCTORY STATISTICS.** (3) Fall.

Review of principles of basic mathematics and algebra. Introduction to measurements in statistical techniques as used in sociology and social work. Development of skill in the use of these processes and techniques in scientific analysis of social situations. Prerequisite: Math. 105 or consent of instructor.

**330. SOCIAL STATISTICS AND RESEARCH.** (3) Spring.

Introduction to the major steps in scientific inquiry into social relations. Use of analytical statistics. Emphasis will be placed on survey design and analysis. Prerequisites: 203, 325.

**342. CRIME AND DELINQUENCY.** (3) Spring.

A study of crime and juvenile delinquency emphasizing causes, law enforcement, and treatment. Prerequisite: 203.

**345. INTRODUCTION TO GERONTOLOGY.** (3) Fall.

Role of the aged in American society; impact of social change and special problems of the elderly.

**350. ORGANIZATIONAL BEHAVIOR.** (3) Fall.

Social aspects of the structure and functioning of modern formal organizations, including industrial, governmental, and educational systems. The effect of bureaucracy and formation of informal groups within the systems. Prerequisite: 203.

**355. PUBLIC OPINION AND COLLECTIVE BEHAVIOR.** (3) Fall.

The factors which influence public opinion, how public opinion affects policy-making and execution, the problem of measurement, the effect of mass media communication, the content of propaganda, mass movement and the effect on the individual. Prerequisite: 203 or consent of department chairman.

**401/501. COURTSHIP AND MARRIAGE ADJUSTMENT.** (3) Spring.

Study of role relationships and interpersonal behavior in courtship and marriage. Emphasis on practical application of basic facts and different perspectives on the family to assist in establishing guidance for behavior.

405/505. CONTEMPORARY SOCIAL PROBLEMS. (3) Fall.

The study of major theories of social problems. Relation of cultural values to social problems. Study of problems such as mental disorder, crime, poverty, sexual relations, overpopulation, environment, and race. Prerequisite: 203.

408/508. SOCIAL PSYCHOLOGY. (3) Fall.

Psychology of the individual and the group situation, socialization, and personality development. Study of interpersonal relationships, crowd behavior, leadership and prejudice. Prerequisite: 203 or Psy. 201.

410/510. MINORITY GROUPS. (3) Fall.

The identity, goals, and organizations of minority groups; race relations as a social problem. Prerequisite: 203.

430/530. URBAN DEVELOPMENT. (3) Spring. Alternate years; offered 1986-87.

Theory of urban development, the growth of cities in modern times, and social characteristics of fringe and suburban areas. Urban problems and the social processes underlying change. Prerequisite: 203.

440/540. HISTORY OF SOCIOLOGICAL AND ANTHROPOLOGICAL THEORY. (3) Spring. Alternate years; offered 1985-86.

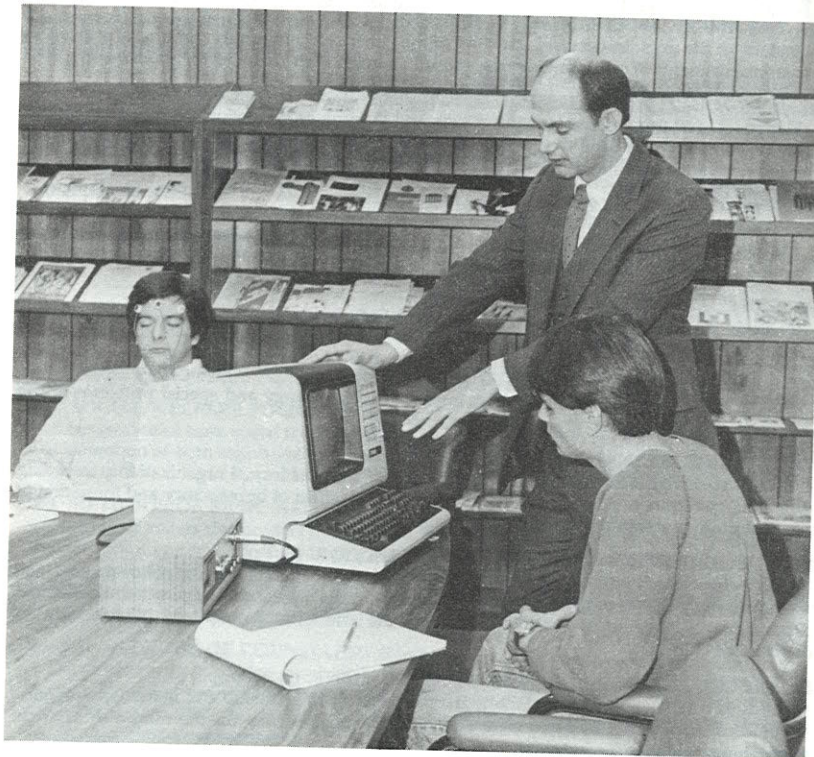
Major theoretical contributions to sociology, social psychology, and anthropology. A study of the historical development and theoretical interrelationships of the three fields. Prerequisites: 15 hours of anthropology and/or sociology, including Soc. 203 and Anthro. 250; and, for juniors, permission of the instructor.

450/650. INDEPENDENT STUDY. (1-3) Offered on demand.

Individual study or research for seniors/graduates majoring in sociology and social work. Prerequisites: 203 and consent of the instructor and chairman of the department.

451. INTERNSHIP IN REGIONAL AND URBAN AFFAIRS. (3) Offered on demand.

Experience in working with some agency of the state or local government under supervision of agency personnel and an academic advisor. Prerequisites: 203 and consent of the department chairman.



## SCHOOL OF BUSINESS

DEAN: David B. Burks, Ph.D., CPA

### PROFESSORS:

David B. Burks, Ph.D., CPA

Director of American Studies Program

Donald P. Diffine, Ph.D.

Director, Belden Center for Private Enterprise Education  
and Economics Program

Kenneth Johnson, D.B.A., CPA

Director, Accounting Program

Robert J. Kelly, Ed.D.

Director, Business and Office Education

### ASSOCIATE PROFESSORS:

James Randal Henderson, Ph.D., CPA

Assistant Dean, Director of MS Program

Robert H. Reely, Jr., Ed.D.

Director, Center for Management Excellence and  
Management and Marketing Program

Marvin Hilliard Robertson, B.S., J.D.

William W. Ryan, Jr., Ph.D.

Director, Computer Information Systems Program

Barbara Karaffa Statom, M.Ed.

Charles R. Walker, M.S.

### ASSISTANT PROFESSORS:

James Behel, M.B.A.

Lavon Carter, M.B.A.

David M. Johnson, M.B.A.,

CPA Administrative Assistant to the Dean

Terry R. Pearson, M.S.

David Perkins, M.B.A., CPA

David Tucker, M.B.A., CPA

Mark VanRheenen, M.B.A., CPA

Steven D. White, M.B.A., CPA

### INSTRUCTORS:

Walter Smith, M.B.A.

### VISITING LECTURER IN ACCOUNTING:

Mike Emerson, B.A., CPA

### PURPOSE

The primary purpose of the School of Business is to prepare students in a Christian environment for professional careers in business. Morality in business is stressed. Business 435 is required of all majors during the junior or senior year and is an approved substitute for a Bible course the semester it is taken, if the minimum 8 hours of textual Bible has been

taken. The School seeks to develop **Christian professionals**. Specific goals are:

1. To provide students with a good understanding of the common body of knowledge in business administration.
2. To provide students with opportunities for high-quality advanced work in areas where majors are offered.
3. To prepare students for imaginative and responsible citizenship and leadership roles in business and society.
4. To help students clarify the role of their profession in relation to their ministry and commitment to the Kingdom of God.
5. To teach spiritual concepts which flow naturally from business curriculum.
6. To assist in the personal and professional development of students.
7. To aggressively help students secure satisfactory employment upon graduation.
8. To provide opportunities for students to grow professionally through leadership roles in business and economics competition, clubs, etc.

The following majors are offered in the School of Business.

#### MASTER OF SCIENCE IN ACCOUNTING DEGREE

The primary purpose of the Master of Science in Accounting program is to prepare students in a Christian environment for technically-oriented careers in accounting. The functional areas of management, finance, and computer information systems are included in the graduate core requirements.

#### BACHELOR OF BUSINESS ADMINISTRATION DEGREE

**Accounting:** Preparation for entry level positions leading to careers in corporate, public, and governmental accounting; preparation for uniform Certified Public Accountant examination.

**Economics:** Preparation as professional economists in industry or in government; preparation for either law or business school. Graduate or professional school highly recommended.

**Management:** Preparation for supervisory positions in institutional, commercial, and industrial organizations; personnel positions; retailing positions; and selling positions with insurance companies.

**Marketing:** Preparation for positions in personal selling, retailing sales management, and marketing research.

**Computer Information Systems:** Preparation in business and computing for professional careers in basic programming, supervision of programming, and systems analysis and design.

#### BACHELOR OF ARTS DEGREE

**Business Education:** Preparation for certification to teach all high school business courses. All Arkansas requirements fulfilled.

**Office Systems:** Preparation for administrative assistant, executive secretarial and supervisory positions.

#### ASSOCIATE OF ARTS DEGREE

**Applied Office Science:** Preparation for general, clerical and secretarial office positions.

#### SPECIAL PROGRAMS/FACILITIES

##### American Studies Program

All students in the School of Business have an opportunity to hear presentations made by internationally known authorities who are guests on the campus as a part of the lecture series of the American Studies Program. The guest lecturers keynote at least one program for the American Studies group.

In addition to the lecture series, the American Studies Program provides an opportunity for juniors and seniors with a 3.0 or higher GPA to make week-long trips each semester to major cities for practical exposure to problems encountered.

##### Intercollegiate Business Gaming

Business students at Harding have distinguished the University as a national leader in intercollegiate marketing and business competition, having won a record three championships at the Intercollegiate Marketing Games at Michigan State University and four championships at the Emory University Business Games in Atlanta, Georgia. Harding won its first divisional title at the University of Nevada - Reno Invitational Games in 1979. Students are selected for the intercollegiate team on the basis of scholarship in the School of Business and leadership potential.

##### Belden Center for Private Enterprise Education

Begun in 1976, the Belden Center for Private Enterprise Education is basically staffed by student volunteers. The Center's goal is to collect, write, and disseminate in a multi-media fashion private enterprise-related information which is positive, non-partisan, and balanced in its approach. The *ENTREPRENEUR*, a quarterly publication of the Center, is mailed around the country to alumni and to other interested individuals, businesses, Chambers of Commerce, and professional associations.

##### Economics Team

The Harding University Economics Team is composed of students who are interested in free enterprise economics and are willing to develop creative and effective ways to promote it. These teams have won eight of the nine regional Students in Free Enterprise competitions since 1976. Harding won first place in national competitions with other colleges and universities in 1980, 1981, 1982, and 1984. The 1979 and 1983 teams were National Runners-up.

##### Center for Management Excellence

Organized in the summer of 1981, the Center for Management Excellence promotes management expertise through workshops, seminars, and consulting services. The Center was designated a "Small Business Development Center" in 1982. Students in the Small Business Institute program serve as consultants to local small businesses providing management counseling.

**Management Seminar**

The School of Business in conjunction with the American Studies Program and the Small Business Development Center initiated in January of 1973 annual management seminars. Business executives of Arkansas and surrounding states have attended these seminars which are open to students.

**Society for the Advancement of Management**

Organized in the spring of 1981, the Society provides management majors opportunities to hear outside speakers and make visits to various industrial firms.

**Phi Beta Lambda**

The collegiate big brother to Future Business Leaders of America, Phi Beta Lambda is open to any student majoring in the School of Business who desires to grow professionally toward a successful career in business. State and national leadership conferences and award programs provide outlets for competition based on interest and talents of chapter members.

**Pi Gamma Psi**

Composed of students majoring in Accounting, Pi Gamma Psi provides services and educational opportunities for students interested in professional careers in accounting. Various outside speakers are invited to the campus each year. A lecture series, "Current Topics in Accounting," serves as the core of Pi Gamma Psi's meeting schedule, with attendance required of all members. Additionally, beginning in the 1985-1986 school year, an Accounting Symposium for all declared accounting majors will bring to the campus professional accountants to share ideas and experiences with accounting students and faculty.

**Chi Delta Epsilon**

Open to any student with a major or minor in Business and Office Education, Chi Delta Epsilon provides opportunities for students to develop leadership skills, to enjoy fellowship, to promote Christian standards, and to encourage professional awareness. Various speakers provide educational and professional information to students interested in working in office- or business-related environments.

**Data Processing Management Association**

Harding sponsors a student chapter affiliated with the Data Processing Management Association. It complements classroom instruction in the computer area. Outside speakers, field trips, and special projects add to the experience of student members.

**Marketing Club**

Designed to provide marketing majors with professional experiences in the real world. The experiences generally consist of having visiting sales persons present lectures designed to promote sales and tours of industrial marketing centers.

**Computer Facilities**

Harding has a fully-equipped academic Computer Center which utilizes a time-sharing Digital VAX 11/750 computer system. The Computer Center

owns 32 computer terminals for student use and instruction. All students are required to take at least one three-hour course in computing. A micro-computer laboratory provides 24 terminals for student use.

**Harding Invitational Business Games**

Initiated in 1983, a national interscholastic business gaming competition for high schools and junior colleges is sponsored by Harding. University students gain valuable experience as they administer this competition.

**BUSINESS ADVISORY BOARD**

The Business Advisory Board is comprised of CEO's and top executives from major companies and organizations throughout the nation. Members of the Advisory Board work with the School of Business to provide advice and counsel regarding the continuing development, promotion, and support of quality education in business at Harding University. The endorsement and involvement of these key leaders in business lend considerable support to the attainment of our goals and objectives. Members of the Business Advisory Board meet annually.

**BUSINESS ASSOCIATES**

Effective with the fall semester, 1984, Harding began a new organization called "Business Associates." It is made up of alumni and friends of the School of Business who are interested in actively assisting with the implementation of School of Business goals and objectives.

Business Associates assist the faculty in the planning of curriculum and programs offered students, providing periodic career counseling for students by giving special presentations on campus, assist graduates in finding job opportunities, serve as resource personnel for special presentation, and help identify and recruit students for Harding. Business Associates serve for a three-year term with reappointment possible.

**SPIRITUAL EMPHASIS****Fall Seminar**

An annual all-day fall seminar is conducted for seniors in the School at Camp Wyldewood on the topic of Business Ethics. Outside speakers as well as faculty members and students are used in discussing how goals can be set and implemented that will allow all involved to fully utilize their talents in working in the Kingdom.

**Christian Business Ethics**

To give further emphasis to the development of a Christian professional, a unique course entitled "Christian Business Ethics" is required of all students in the School and serves as their Bible requirement during the semester in which it is taken, if the minimum 8 hours of textual Bible has been taken. A case study discussion approach is used in this class.

**Vocational Christian Outreach**

Students are continually encouraged to develop an interest in vocational evangelism. Faculty members encourage students to consider career choices in the light of the need of the Kingdom of God. Christian

leadership opportunities in geographical areas where churches of Christ are numerically small are discussed in connection with career selection.

## HONOR SOCIETY

### Delta Mu Delta

The Alpha Upsilon chapter of Delta Mu Delta, a national honor society in business administration, was formed at Harding in 1976. The purpose of the society is to encourage higher scholarship and to recognize and reward scholastic achievement in business administration programs. Candidates for membership must have completed a minimum of 64 hours with a cumulative average of 3.2 or better and be in the top 20 percent of the class.

## AWARDS FOR STUDENTS

The following awards are presented annually to outstanding students in the School of Business: Arthur Young & Co. Accounting Scholarship Award; Outstanding Senior Accounting Award; Outstanding Business and Office Education Award; Robert H. Reely, Sr., Outstanding Senior Management Award; B.P. Cochran Outstanding Junior Management Award; North Central Arkansas Personnel Association Scholarship Award; Orbit Valve Systems Scholarship Award; S.R. Pearson Outstanding Senior Marketing Award. In addition, the Wall Street Journal Award is given annually to the best overall student in the School of Business.

## GRADUATE PROGRAM IN ACCOUNTING

### PURPOSE OF THE PROGRAM

A new Master of Science in Accounting program was approved by the Board of Trustees in November, 1983, to begin with the fall semester, 1984. The primary purpose of the MS program in accounting is to prepare students in a Christian environment for technically-oriented careers in accounting. The functional areas of management, finance, and computer information systems are included in the graduate core requirements. Throughout the MS program, preparation for Christian service is stressed.

### APPEAL OF THE PROGRAM

The MS program is designed to appeal to two particular groups: (1) students planning to sit for the Uniform CPA Examination by providing them the opportunity to fulfill academic requirements of regulatory agencies in all 50 states; (2) students having a non-business degree or a non-accounting degree who desire to pursue an accounting program at the master's level.

### STRENGTHS OF THE PROGRAM

The following strengths are advantages to students in the program: Harding's strong reputation for excellence in undergraduate accounting education; strong accounting faculty resources; excellent facilities; nation-

1985-1986 Harding University Catalog  
recognized American Studies Program; emphasis on Christian business ethics; and an active placement network.

## ADMISSION REQUIREMENTS

Students are accepted into the MS program from a wide variety of undergraduate programs. While many have studied business administration, graduates of other scholastic disciplines are encouraged to apply.

Requirements for admission to graduate study in the School of Business are:

1. A baccalaureate degree from an accredited institution.
2. A formal application.
3. An official transcript from each institution attended for undergraduate work. (If the course work was done at Harding, the transcript need not be official.)
4. Completion of the Graduate Management Admissions Test (Applications to take the test can be obtained from Dr. Tom Howard in the Testing Office or from the Educational Testing Service in Princeton, New Jersey. The test is designed to measure aptitude for graduate study in business and is not a measure of knowledge in specific subjects).
5. A composite score of 1000 or above, determined as follows: the score on the GMAT plus 200 times the overall undergraduate grade-point average under a 4.0 system.
6. Two letters of reference.
7. In certain cases, a formal interview may be required. This decision will be made by the graduate committee.

Permission to enroll for graduate credit may be granted to students who lack not more than 12 semester hours meeting the requirements for the bachelor's degree but who satisfy other scholastic requirements for graduate study. This does not imply formal admission to the MS program. For continued enrollment in graduate study, these students must submit an application for admission to graduate study.

In addition to these general requirements, the applicant must show high promise of success in graduate study. The selection by the graduate committee is based on a balanced appraisal or aptitude, ability, and achievement.

## DESCRIPTION OF THE PROGRAM

The exact program of study will be dependent on the educational background of the potential graduate school candidate. A student with an undergraduate degree in business with a major in accounting may complete the proposed program by taking 32 semester hours in one year. Students with an undergraduate degree in business but not accounting may complete the graduate degree in 44 semester hours. A non-business major with no hours in business may be required to take a maximum of 81 semester hours. These students could complete the program in 24 months.

Prerequisites:

1. Undergraduate degree
2. Completion of Harding's undergraduate business core or equivalent\*
3. Acct. 301/302, 306, and Bus. 316.

Requirements:

1. Core

- Acct. 604, Seminar in Contemporary Accounting Topics
  - Acct. 607, Auditing II
  - Acct. 608, Cost II
  - Acct. 609, Seminar in Accounting Theory
  - CIS 605, Systems Analysis and Design
  - Bus. 606, Financial Management
- 18 Hours

2. Bible:

(Bus. 535 may be substituted for the graduate Bible requirement if not previously taken.)

2

3. Electives:\*\*

- Acct. 501, 502, 503, 505, 507, 510, 650
  - CIS 529
  - Econ. 510, 511, 520, 540
  - Mgt. 525
  - Bus. 544
- 12
- 32 Hours

\* Graduate students will be exempted from taking Bus. 315 and Bus. 350.  
 \*\* All graduates must have credit for a minimum of 39 hours in accounting taken at the undergraduate and graduate level. Any students who have not previously taken Acct. 305, 401, and 410 must enroll in these as part of their graduate electives.

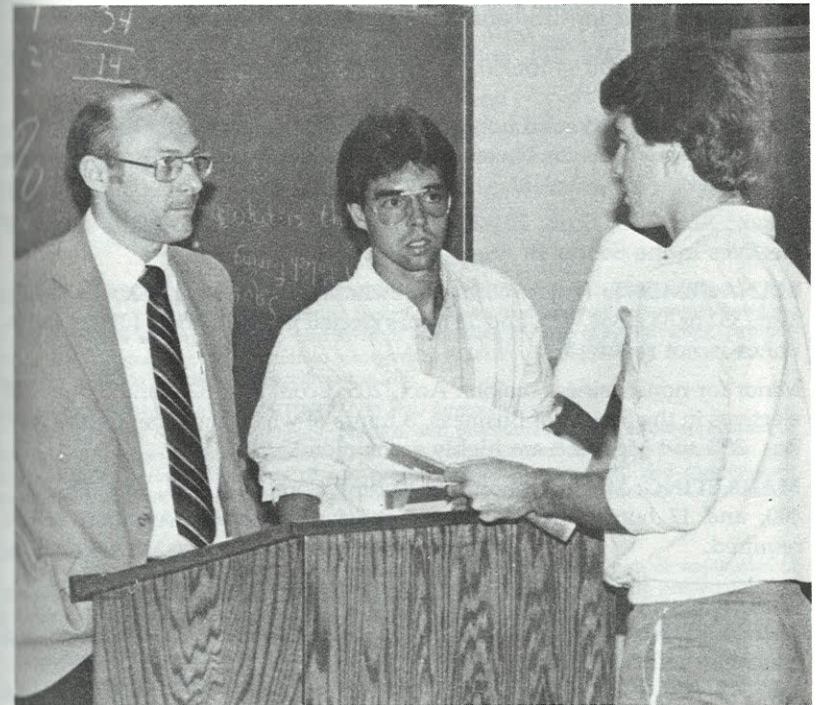
GRADUATION REQUIREMENTS

A student who is admitted to the master's degree program must enroll for credit at least once during each calendar year (June through May). Any student who is unable to meet the enrollment requirement may request a leave status for that year. In any case, the graduate program must be completed in five years, including leave time. Any student requiring more than five years may be subject to further study to be determined by the graduate committee.

Students must maintain a cumulative grade point of 3.0. Any student whose cumulative grade point dips below 3.0 will be placed on academic probation. Any student on academic probation must make above 3.0 the following semester or be subject to dismissal from the program. To remove probation, the cumulative GPA must be 3.0 or higher at the end of the most recent semester. If a grade below C is made, the student is subject to dismissal from the program. When a student repeats a course, both the first and the second grade earned in the course will be utilized to calculate the cumulative average for probation or dismissal from the graduate program.

A minimum of 26 hours of graduate study must be completed on the Harding University campus. A maximum of 15 graduate hours or 18 graduate and undergraduate hours may be taken in a given semester.

Candidates must pass a comprehensive oral examination for graduation. The examination will cover the core requirements of study.



BACHELOR OF BUSINESS ADMINISTRATION DEGREE  
CORE REQUIREMENTS

All Bachelor of Business Administration degrees require a uniform business core of 41 hours. The purpose of the core requirements is to provide students with an understanding of a generally recognized common body of knowledge in business. The core requirements are:

Courses	Hours Credit	Courses	Hours Credit
Acct. 205-206 .....	6	CIS 214 .....	3
Bux. 260-261* .....	6	Econ. 201-202 .....	6
Bus. 315 .....	3	Mgt. 368 .....	3
Bus. 343 .....	3	Mgt. 430 .....	3
Bus. 350 .....	3	Mkt. 330 .....	3
Bus. 435 .....	2		

\* Math 210 is a prerequisite for Bus. 260 and serves as the general education requirement for all BBA business majors.

ACCOUNTING: Major: 71 hours, including Core; Bus. 316; Acct. 301, 302, 305, 306, 401, 410, and 6 additional hours in accounting; and 3 hours of electives in the School of Business. A minor is not required.

Minor: 18 hours in accounting. The following additional courses are recommended: Bus. 315, 316; Econ. 201-202; Mgt. 368.

**COMPUTER INFORMATION SYSTEMS:** Major: 68 hours, including Core; CIS 220, 221, 271, 272, 421, C. Sc. 435, and 9 hours of electives in the School of Business chosen from the following: Acct. 301, 305, CIS 329, 412, Mgt. 354; Mkt. 335 or 336; or any C. Sc. course (other than 211); three hours must be from CIS courses. A minor is not required.

Minor: CIS 214, 220, 271, and 9 hours in either CIS or C.Sc., 3 of which must be upper-level.

**ECONOMICS:** Major: 68 hours including Core; Econ. 310, 311, 340, 420, Mgt. 333; and 12 hours elected in the School of Business. A minor is not required.

Minor: Acct. 205; Econ. 201-202, 310, or 311, 340 or 420, and 3 hours of electives in the School of Business.

**MANAGEMENT:** Major: 68 hours including Core; Acct. 306; Bus. 316; Mgt. 332 or 333, 354, 425, and 12 hours elected in the School of Business. A minor is not required.

Minor for non-business majors: Acct. 205; Econ. 201, 320; and 9 hours of electives in the School of Business, 3 hours of which must be upper-level. Bus. 350 and Mgt. 368 are highly recommended.

**MARKETING:** Major: 68 hours, including Core; Mkt. 331, 335, 336, 337, 400; and 12 hours elected in the School of Business. A minor is not required.

### BACHELOR OF ARTS DEGREE

**BUSINESS EDUCATION:** Major (Plan I): 75 hours in business and education courses, including Acct. 205, 206; Bus. 102, 107, 117, 219, 251, 253, 315, 350, 435; CIS 214; Econ. 201, 202, 320; Mgt. 368; Mkt. 330; and School of Education courses Educ. 203, 205, 307, 320, 336, 417, 421, 451; and Soc. 203. A minor is not required.

Minor: (Plan I to qualify for certification as a second teaching field): 25 hours, including Acct. 205-206; Bus. 107, 117, 219, 251, 315, and 350; and Econ. 201.

**BUSINESS EDUCATION:** Major (Plan II): 71 hours in business and education courses including Acct. 205, 206; Bus. 106, 107, 117, 219, 253, 315, 350, 435; CIS 214; Econ. 201, 202, 320; Mgt. 368; Mkt. 330 and School of Education courses Educ. 203, 205, 307, 320, 336, 417, 421, 451; and Soc. 203. A minor is not required.

Minor: (Plan II, to qualify for certification as a second teaching field): 25 hours, including Acct. 205-206; Bus. 106, 117, 315, 350; Econ. 201-202; and 3 hours of upper-level work elected in the School of Business.

**OFFICE SYSTEMS:** Major: 55 hours including Acct. 205, 206; Bus. 107, 117, 218, 219, 251, 253, 315, 350, 435; CIS 214; Econ. 201, 202, 320; Mgt. 368; Mkt. 330; and 9 hours elected from the School of Business. A minor is not required.

Minor is Office Systems: 18 hours, including Bus. 106, 107, 117, 219, and 9 hours electives in the School of Business, 6 of which must be upper-level.

### ASSOCIATE OF ARTS

**DEGREE APPLIED OFFICE SCIENCE:** 64 hours, including 8 hours of Bible (101, 112, and 4 hours elected from 204, 211, 212, and 213); 28 hours of General Education (Biol. 111; 6 hours from Eng. 102-103- 104; Hist. 101; Math 101 or higher; P.E. 101; Psy. 131; Com 0 101 and 5 hours electives); and 28 hours from the School of Business; including Bus. 106, 107, 117, 218, 219, 251; CIS 214; Econ. 201; Acct. 205; and 6 hours elected from Bus. 101, 102, 253, 315, 350; CIS 220; Acct. 206. In addition, a 2.00 grade point overall and a 2.00 grade point in the major in all work completed at Harding and 32 hours in residence at Harding, including 24 of the last 32 hours, are required.

### ACCOUNTING

**205-206. FUNDAMENTALS OF ACCOUNTING I and II.** (3, 3) Fall, Spring, Summer.

Introduction to elementary accounting theory, practice, and analysis; conceptual development of the full accounting cycle; discussion of accounting for sole proprietorships, partnerships, and corporations; introduction to managerial applications of accounting. A grade of "C" or better in 205 is required for enrollment in 206.

**301. INTERMEDIATE ACCOUNTING I.** (3) Fall, Summer.

In-depth study of accounting theory, practice, and procedures; emphasis on application of theoretical concepts to problem analysis and accounting practice, including preparation and interpretation of financial reports of sole proprietorships, partnerships, and corporations; exposure to alternative accounting treatments. Prerequisite: 206 with a grade of "C" or better. A grade of "C" or better in 301 is required for 302.

**302. INTERMEDIATE ACCOUNTING II.** (3) Spring, Summer.

In-depth study of accounting theory, practice, and procedures; emphasis on application of theoretical concepts to problem analysis and accounting practice, including preparation and interpretation of financial reports of sole proprietorships, partnerships, and corporations; exposure to alternative accounting treatments. Prerequisite: 206 with a grade of "C" or better. A grade of "C" or better in 301 is required for 302.

**305/505. COST ACCOUNTING I.** (3) Fall, Spring.

Elements of production under the job cost, process cost, and standard cost systems; inventorying materials; payrolls and taxes; budgets; wage plans and other related topics. Prerequisite: 206.

**306/506. FEDERAL TAXATION I.** (3) Fall, Summer.

Broad coverage of federal tax structure and tax law relating to individuals. Includes preparation of tax returns and tax planning under current tax law. Prerequisite: 206; 306/506 required for 307/507.

**307/507. FEDERAL TAXATION II.** (3) Spring, Summer.

Broad coverage of federal tax structure including tax law relating to partnerships, corporations, estates, trusts; includes preparation of tax returns and tax planning under current tax law. Prerequisite: 206; 306/506.

**401/501. ADVANCED ACCOUNTING I.** (3) Fall.

Intensive analysis of accounting theory and practice; primary coverage is corporate consolidation; additional coverage of accounting for home-office/branch, installment sales of real estate, franchisers, and personal financial statements.

**402/502. ADVANCED ACCOUNTING II.** (3) Spring.

Continued intensive analysis of complex accounting topics, including accounting for governmental units, hospitals, schools; partnership formation, operation, liquidation; foreign operations, estates and trusts; interim reports.

**403/503. CPA REVIEW.** (3) Spring.

Detailed review of Generally Accepted Accounting Principles as promulgated by the official pronouncements of the APB, FASB, AICPA, etc.; review of past CPA examinations. Prerequisite: 302.



**410/510. AUDITING I.** (3) Fall, Spring.

Discussion and application of audit theory and procedure; emphasis on internal control, audit techniques, working papers, auditor opinions, legal responsibilities, professional ethics. Prerequisite: 302.

**604. SEMINAR IN CONTEMPORARY ACCOUNTING TOPICS.** (3) Fall.

A study of the current issues and research now impacting the accounting profession. A critical examination of subject matter presented in current periodicals and bulletins in the field of accounting. Prerequisite: 302.

**607. AUDITING II.** (3) Spring.

Emphasis on auditing theory. Also will include study of detailed working paper methods and hands-on experience in auditing through the computer. Prerequisite: 410/510.

**608. COST ACCOUNTING II.** Summer.

An advanced course in internal accounting with emphasis on accounting implications to management decision making. Various methods of budgeting, transfer pricing, and costing techniques will be stressed. Prerequisite: 302/502, 305/505.

**609. SEMINAR IN ACCOUNTING THEORY.** (3) Spring.

Brief survey of history of accounting and development of fundamental principles followed by intensive study in evaluation of accounting concepts and their application to assets, determination of income and measurements, classification and reporting of equities. Emphasis placed on events in accounting profession's past in relationship to accounting profession of present and future. The current thinking of the American Institute of Certified Public Accountants, the American Accounting Association, the Securities and Exchange Commission, the Financial Accounting Standards Board will be reviewed. Prerequisite: 401/501.

**650. INDEPENDENT STUDY.** (1-3) On Demand.

Individual study for qualified graduate students.

**BUSINESS****101. SHORTHAND I.** (3) Fall.

Principles of Gregg Shorthand. Presentation of theory with extensive practice in reading and writing. Introduction to transcription. Extra dictation practice in multi-channel dictation laboratory. Class meets five times a week. Prerequisite or co-requisite: 105 or equivalent. Fee: \$6.00.

**102. SHORTHAND II.** (3) Spring.

A review of fundamental principles, with assignments which stress speed, accuracy, fluency, and vocabulary. Intensive transcription practice. Extra dictation practice in multi-channel dictation laboratory as needed. Prerequisite: A grade of "C" or better in 101 or equivalent ability. Fee: \$6.00.

**105. BEGINNING TYPEWRITING.** (2) Fall.

Introduction to keyboard and basic operating techniques on manual and electric typewriters. Practice in personal and routine office problems. Meets three times a week. Fee: \$14.50.

**106. INTERMEDIATE TYPEWRITING.** (2) Fall, Spring.

Continuation of speed and accuracy drills; practice in office problems with emphasis on office standards of achievement. Meets three times a week. Prerequisite: 105 or equivalent ability. Fee: \$14.50.

**107. ADVANCED TYPEWRITING AND MACHINE TRANSCRIPTION.** (2) Spring.

Development of occupational competency in typewriting with special attention to speed, accuracy, and production skills. Training in machine transcription. Fee: \$14.50.

**117. BUSINESS MACHINES.** (2) Fall, Spring.

Instruction and practice in the use of modern calculating machines; calculating machines; extensive practice and application of business problems on electronic display and printing calculators. Fee: \$14.50.

**218. RECORDS MANAGEMENT.** (1) Fall.

An overview of managing records in the office, including filing systems and procedures.

**219. INTRODUCTION TO WORD PROCESSING.** (3) Fall, Summer.

Development and application of word processing skills. Training on word processing system. Emphasis on keyboarding, editing, and transcribing from both hard copy and voice dictation. Prerequisite: Bus. 107 or permission of instructor. Fee: \$31.50.

**251. SECRETARIAL PROCEDURES.** (3) Fall.

An intensive study of the duties required of secretaries, with special emphasis on appearance, attitudes and personality traits, as well as the technical requirements. Prerequisites: 105, and 218 or equivalent skills.

**268. WORD PROCESSING SYSTEMS.** (3) Spring.

The study of office information systems and concepts of word processing. Emphasis on learning terminology and developing knowledge and understanding of current office technology and practices for the purpose of improving office productivity. Prerequisite: Bus. 219 or equivalent. Fee \$31.50.

**269. QUANTITATIVE METHODS I.** (3) Fall, Spring, Summer.

QMI consists of a mathematical review of the principles used in the quantitative aspects of business and economics, a development of the basic techniques of statistics, which include problems of sampling, frequency distribution, probability, and hypothesis testing. Prerequisite: Math 210.

**269. QUANTITATIVE METHODS II.** (3) Fall, Spring, Summer.

QMI continues the study of statistic topics, chi square, analysis of variance, correlation, linear regression, multiple regression, statistical computer applications and the use of SPSS statistical package. Prerequisite: Bus. 260.

**353, 316/516. BUSINESS LAW.** (3, 3) Fall, Spring.

History of legal development; organization of courts and administrative agencies; legal principles involved in the law of agency; bailments, bankruptcy, carriers, contracts, corporations, creditors' rights, mortgages and liens, insurance, negotiable instruments, partnerships, and property, sales, suretyship, torts and trusts.

**363. MANAGERIAL FINANCE.** (3) Fall, Spring, Summer.

Forms of business organization including the promotion, organization, capitalization, expansion, reorganization and fiscal operations; management and financing of modern corporate forms of business enterprise. Prerequisites: Acct. 206 and Econ. 201-202.

**364. INVESTMENTS.** (3) Fall.

Principles of investments - basic theory, concepts, and principles of investment decisions. Emphasis on portfolio construction and management; investment media; fundamental and technical analysis; tools of investment analysis and the psychological aspects of the market. Prerequisite: 343.

**366. BUSINESS COMMUNICATIONS.** (3) Fall, Spring, Summer.

The composition of effective business letters and reports. Emphasis on characteristics of good business writing and development of basic letter plans applicable to principal business functions. Preparation of personal resume and application letter. Fundamentals of oral communication in business. Prerequisite: English 103.

**355. CHRISTIAN BUSINESS ETHICS.** (2 or 3) Fall, Spring.

A study of the ethical teachings of the Bible as applied to the field of business; including a study of Biblical passages related to business conduct, corporate ethics, individual ethics, and mutual responsibilities of employers and employees. This course is open only to junior and senior business majors, is required for graduation, and is an approved substitute for Bible the semester it is taken.

**350. INDEPENDENT RESEARCH.** (1-3) Offered on demand.

For majors with high scholastic ability and clearly defined professional goals. Emphasis placed on research techniques and procedures assignments. Prerequisite: Consent of the major advisor and Dean.

**406. FINANCIAL MANAGEMENT.** (3) Fall.

A study of the financial framework within which business operates and of the principles governing the operation of financial markets. Financial planning and decision making will be discussed with a special emphasis on controllership responsibilities. Selected case materials and directed readings will be utilized. Prerequisite: 343.

**425. PRINCIPLES AND PHILOSOPHIES OF BUSINESS EDUCATION** (3) Offered on demand.

Brief historical review of business education; current philosophies and attitudes affecting business education; curriculum development at the secondary school level; the challenging role of business education in a changing business and industrial environment.

**450. INDEPENDENT RESEARCH AND DIRECTED READINGS.** (3-6) Offered on demand.

Individual study for qualified graduate students. Prerequisite: Consent of Director of Business Education.

**458. THESIS.** (3) Offered on demand.

**214. FUNDAMENTALS OF COMPUTER PROCESSING.** (3) Fall, Spring, Summer.  
This course is designed to give the student an introduction to the concepts of computer systems. Two hours lecture per week includes a discussion of hardware, software, personnel requirements, and systems development. Two hours of lab per week include a practical introduction to the topics of programming in BASIC, spread-sheet development, word processing, hands-on experience with an accounting system, and working with a statistical processor. Fee: \$35.00.

**220. INTRODUCTION TO STRUCTURED PROGRAMMING USING COBOL.** (3) Fall, Spring, Summer.  
The fundamental concepts of program structure and design are presented with a vocational emphasis. Computer organization, charting and design techniques, structured programming concepts, and testing schemes will be practiced using COBOL. Prerequisite: 214. Fee: \$35.00.

**221. APPLICATIONS PROGRAMMING.** (3) Spring.  
Students will develop programs for random-access files, learn about data structures, and utilize the full set of COBOL instructions to form structured programs in the common applications areas. Prerequisite: 220. Fee: \$35.00.

**271. SYSTEMS ANALYSIS.** (3) Fall.  
In-depth initiation into the system development life cycle. Documentation and communication aids are introduced as well as interpersonal approaches and techniques used in analysis. Prerequisite: 220.

**272. SYSTEMS DESIGN.** (3) Spring.  
In-depth study of design techniques with emphasis on structured systems, data base, data structure. Project management concepts will be covered, such as user involvement, structured walk-through, testing, implementation, auditing. Prerequisite: 271. Fee: \$35.00.

**329. SMALL BUSINESS COMPUTERS SYSTEMS.** (3) Fall.  
Configuration of computer systems for small business involving analysis and design characteristics. Typical business applications and their solutions using advanced spread-sheet development, data base concepts, word processing and BASIC programming. Fee: \$35.00.

**412. DISTRIBUTED DATA PROCESSING.** (3) Fall.  
Features of centralized, decentralized, and distributed systems will be examined. Technological implications of computer hardware, software and communications are discussed as they relate to the design, development, and implementation of DP systems.

**421. SOFTWARE DEVELOPMENT PROJECT.** (3) Spring.  
This course is taught in a team environment and is used to demonstrate application system development, maintenance programming, and project management. It is intended to be the capstone course for students majoring in systems analysis, pulling together the concepts from each of the previous CIS courses and many of the accounting and business courses. The student must be proficient in COBOL. Prerequisite: 272. Fee: \$35.00.

**450. INDEPENDENT STUDY.** (1-3) Offered on demand.

**605. SYSTEMS ANALYSIS AND DESIGN.** (3) Summer.  
A study of system development life cycle and design techniques. Project management concepts, documentation, and communication aids will be discussed. An emphasis will be placed on various types of accounting systems. Prerequisite: 214.

#### ECONOMICS

**201. PRINCIPLES OF MACROECONOMICS.** (3) Fall, Spring, Summer.  
The overall-workings of the economy and its major subdivisions, the free enterprise system, monetary and fiscal policy.

**202. PRINCIPLES OF MICROECONOMICS.** (3) Fall, Spring, Summer.  
Individual consumers; business; monopoly and agricultural pricing; pricing in product and resource markets. Prerequisite: 201 or consent of instructor.

**310. INTERMEDIATE MACROECONOMICS.** (3) Fall. Alternate years; offered 1985-86.  
An in-depth study of general equilibrium. The overall-workings of the economy studied in terms of the investment market, goods market, and money market. Stabilization policies are analyzed. Special attention is given to fiscal and monetary policy. Prerequisite: 201-202.

**311. INTERMEDIATE MICROECONOMICS.** (3) Spring. Alternate years; offered 1985-86.  
The nature of economics systems is studied with reference to efficiency, equity, and growth. Prices and free-enterprise markets are analyzed in terms of efficiency and equity. Consumer choice and production theory are studied in-depth. Prerequisite: 201-202.

**606. ECONOMIC EDUCATION FOR ELEMENTARY TEACHERS.** (3) Fall, Spring.  
Basic economic concepts. The importance of economic education as a means of improving decision making in the market place and at the polls. Emphasis will be placed on how economic knowledge can be incorporated into the elementary school curriculum. Required for certification of all elementary teachers.

**606. PERSONAL FINANCE.** (3) Fall.  
Managing personal finances; topics include inflation, tax problems, insurance, annuities, credit, home ownership, bank accounts, investments, old age and survivors disability insurance and other social security programs.

**606/640. ECONOMIC HISTORY.** (3) Spring. Alternate years; offered 1986-87.  
A study of the evolution of economic ideas and events from ancient to modern times with analysis of the American economy from colonial times, including particular emphasis on the period from the industrial revolution to the present. Prerequisite: 201-202.

**606/620. COMPARATIVE ECONOMIC SYSTEMS.** (3) Fall. Alternate years; offered 1986-87.  
Application of macro and microeconomics analysis to evaluate traditional, command, market, mixed economies with respect to fulfilling the economic goals of freedom, efficiency, growth, stability, justice, and security. Prerequisite: 201-202.

**606/645. FREE MARKET ECONOMICS.** (3) Summer. Offered on sufficient demand.  
Instruction to dramatize, simplify, and enrich the understanding of economic individualism and the concept of freedom applied to a market economy. Cost-benefit analysis is applied to evaluate the balance achieved between the private and the public sector in economic policy and performance.

#### MANAGEMENT

**601. CHRISTIAN LEADERSHIP.** (3) Offered on sufficient demand.  
Intensive study of Biblical principles designed to enrich the leadership skills of present and potential church leaders. Course modules include New Testament concepts of leadership, leadership style, leadership by objectives, motivation, organization and delegation, group dynamics, initiating change, and time management. Primarily for Bible and other non-business majors.

**602. PERSONNEL MANAGEMENT.** (3) Fall, Spring, Summer.  
Study of selection, placement, training, wage administration, performance evaluation; and discharge of employees.

**603. COLLECTIVE BARGAINING.** (3) Fall, Spring.  
Legal and social framework for labor-management relations, union and management viewpoints; organizational relationships, the collective bargaining process, contract negotiation and administration.

**604. PRODUCTIONS/OPERATIONS MANAGEMENT.** (3) Fall.  
Study of production function in business, systems theory, product and capacity decision systems, and operating decisions systems.

**605/665. SMALL BUSINESS INSTITUTE.** (2 or 3) Spring and on sufficient demand.  
A practical training ground for departmental majors, supplementing academic training, to furnish management assistance counseling to members of the small business community. Clients are provided by the U.S. Small Business Administration. Prerequisite: Junior or senior standing and consent of the instructor.

**608. ORGANIZATIONAL BEHAVIOR.** (3) Fall, Spring, Summer.  
Techniques and policies needed to handle human relations problems in business, government, and education. Fundamentals of organizational behavior, motivation, leadership, formal and informal organization, social environment, and communication and group processes.

**625/525. ORGANIZATIONAL THEORY AND STRUCTURE.** (3) Fall, Spring.  
Study of human relations factors. Use of case study approach. Prerequisite: 368.

**630. ADMINISTRATIVE POLICY SIMULATION.** (3) Fall, Spring.  
Use of a management game to integrate and utilize decision-making concepts and techniques studied in earlier courses. Students act as top managers of a company in competition with their rivals in computer-simulated industry. Emphasis on formulation of business objectives, forecasting, planning, and analytical decision-making. Prerequisite: Senior standing or consent of school dean; Mkt. 330; Bus. 343; Acct. 206; Bus. 261. Fee: \$9.00.

**330. PRINCIPLES OF MARKETING.** (3) Fall, Spring, Summer.  
An introductory survey course covering the principles of choosing target markets, assessing their needs, developing products and services, and delivering them at a value to the customer and a profit to the company. Emphasis is placed on developing a managerial point of view in planning and evaluating marketing decisions of the firm.

**331. CONSUMER BEHAVIOR.** (3) Spring.  
An analysis of sociological and psychological applications in consumer behavior with an emphasis on the relevance of these concepts for the marketing manager. The development of concepts and constructs employed to identify and measure market segments and to analyze behavioral patterns of these segments as a basis for marketing strategy. Prerequisite: 330.

**335/535. SALES STRATEGY.** (3) Fall.  
The art of personal selling is examined with emphasis on understanding the buyer, selling environment and selling techniques. It covers personal selling fundamentals as well as vital sales management topics. Role playing, case analysis, films, and outside speakers are utilized.

**336. INDUSTRIAL MARKETING.** (3) Fall.  
This course focuses on the marketing of industrial products, including the topics of buyer behavior, negotiating, buyer-seller interaction, product strategy, marketing channels, market segmentation, industrial distribution, pricing, advertising, and sales force management. Special attention is given to understanding industrial buyers, their purchasing problems, and their behavior.

**337/537. RETAIL MARKETING.** (3) Spring.  
The development of policies, methods, and managerial strategies to accommodate the rapidly-changing retail environment.

**400. MARKETING RESEARCH.** (3) Spring.  
This course provides an understanding of research methodology and the application of current research techniques in solving marketing problems. Focus is upon a research project encompassing all aspects of research from problem definition to report presentation. Prerequisite: Bus. 260. Fee: \$9.00.

**PROGRAMS FOR SCHOOL OF BUSINESS**

**Associate of Arts Degree in Applied Office Science**

First Year		Second Year	
F.	Sp.	F.	Sp.
Bible 112, 101.....	2 2	From Bible 211, 213, 234.....	2 2
Bus. 106, 107.....	2 2	Econ. 201, Hist. 101.....	3 3
Biol. 111, Math. 101/105.....	3 3	Bus. 117, Com O 101.....	2 3
Bus. 218.....	1	Bus. 251, CIS 214.....	3 3
Eng. 103, 104.....	3 3	Bus. 219, Bus. electives.....	3 3
Psy. 131.....	3	Bus. elec., Gen. elect.....	3 2
P.E. 101.....	2		
Acct. 205.....	3		
Gen. Educ. electives.....	3		
	<hr/> 16		<hr/> 16

**ACCOUNTING (B.B.A.):** For those majoring in accounting the following program is outlined.

First Year		Second Year	
F.	Sp.	F.	Sp.
Acct. 205-206.....	3 3	Acct. 301-302.....	3 3
Eng. 103, Biol. 111.....	3 3	CIS 214, Music 101.....	3 2
Hist. 101, Psy 131.....	3 3	Eng. 201, 202.....	3 3
Econ. 201-202.....	3 3	Phy.Sci. 102, *Math 210.....	2 3
P.E. 101, Phy.Sci. 101.....	2 2	P.E. activity, Com O 101.....	1 3
Bible 101, 112.....	2 2	Pol.Sci. 202, 205 or Soc. 203....	3
	<hr/> 16	From Bible 211, 213, 234.....	2 2
			<hr/> 16

Third Year	F.	Sp.	Fourth Year	F.	Sp.
Acct. 305, Hist. 111.....	3	3	Acct. 401, Acct. elective.....	3	3
Acct. 306, Acct. elective.....	3	3	Bus. 315, 316.....	3	3
Bus. 343.....		3	Bus. 350, Bus. elective.....	3	3
Bus. 260, 261.....	3	3	Mgt. 430, Acct. 410.....	3	3
Mkt. 330, Mgt. 368.....	3	3	P.E. activity, elective.....	1	1
Bible.....	2	2	Bus. 435, Bible.....	2	2
Art 101.....	2				
	<hr/> 16	<hr/> 17		<hr/> 15	<hr/> 15

\* Students not adequately prepared to take Math 210 in the fall should take Math 105 in the fall. If the student has had only one year of algebra in high school or his mathematical background is otherwise weak, Math 105 must be taken before 210 is attempted.

**BUSINESS EDUCATION (B.A.):** Students preparing to teach business should follow one of the two programs outlined below.

**A. For certification to teach general business and secretarial subjects (Plan 1):**

First Year	F.	Sp.	Second Year	F.	Sp.
Bible 112, 101.....	2	2	From Bible 211, 213, 234.....	2	2
Art 101, Bus. 102.....	2	3	Acct. 205, 206.....	3	3
Bus. 107.....		2	Bus. 117.....		2
Eng. 103, 104.....	3	3	Econ. 201, 202.....	3	3
Hist. 101, 111.....	3	3	Bus. 219, 253.....	3	3
Biol. 111, Com O 101.....	3	3	Math 101 or 105.....	3	
Phy.Sci. 101.....	2		Educ. 203, 204.....		5
P.E. 101, P.E. elective.....	2	1	Eng. 201.....	3	
	<hr/> 17	<hr/> 17		<hr/> 17	<hr/> 18

Third Year	F.	Sp.	Fourth Year	F.	Sp.
Bible elective.....	2	2	Bus. 435, Educ. 320.....	2	2
Pol. Sci. 205.....	3		Econ. 320, Educ. 417.....	3	3
H. Educ. 203.....	3		Soc. 203, Educ. 421.....	3	3
Educ. 307, 336.....	3	3	Bus. 350, Educ. 451.....	3	6
Phy.Sci. 102, Music 101.....	2	2	Bus. 315.....	3	
Mgt. 368, Mkt. 330.....	3	3	Bus. 251.....	3	
CIS 214.....		3			
Eng. 202.....		3			
	<hr/> 16	<hr/> 16		<hr/> 17	<hr/> 14

**B. For certification to teach general business, bookkeeping, and economics (Plan II):**

First Year	F.	Sp.	Second Year	F.	Sp.
Bible 112, 101.....	2	2	Bible 211, 213, 234.....	2	2
Bus. 106, Art 101.....	2	2	Acct. 205, 206.....	3	3
Bus. 107.....		2	Bus. 117.....		2
Eng. 103, 104.....	3	3	Econ. 201, 202.....	3	3
Hist. 101, 111.....	3	3	Bus. 219, 253.....	3	3
Biol. 111, Com O 101.....	3	3	Math 101 or 105.....	3	
Phy.Sci. 101.....	2		Educ. 203, 204.....		5
P.E. 101, P.E. elective.....	2	1	Eng. 201.....	3	
	<hr/> 17	<hr/> 16		<hr/> 17	<hr/> 18

Third Year	F.	Sp.
Bible elective .....	2	3
Pol. Sci. 205 .....	3	
H. Educ. 203 .....	3	
Educ. 307, 336 .....	3	3
Phy. Sci. 102, Music 101 .....	2	2
Mgt. 368, Mkt. 330 .....	3	3
CIS 214 .....	3	
Eng. 202 .....	3	
	<hr/>	<hr/>
	16	17

Fourth Year	F.	Sp.
Bus. 435, Educ. 320 .....	3	3
Econ. 320, Educ. 417 .....	3	
Soc. 203, Educ. 421 .....	3	
Bus. 350, Educ. 451 .....	3	
Bus. 315 .....	3	
	<hr/>	<hr/>
	14	14

Fourth Year	F.	Sp.
Bus. 260, 261 .....	3	3
Bus. 315, *Econ. 340 .....	3	3
Econ. 310, *Econ. 311 or 420 .....	3	3
Mgt. 368, Mkt. 330 .....	3	3
Pol. Sci. 202, or 205 .....	3	
**Electives .....	3	
Bible .....	2	2
	<hr/>	<hr/>
	17	17

Fourth Year	F.	Sp.
Bus. 343, Mgt. 333 .....	3	3
Bus. 350, P.E. activity .....	3	1
Mkt. 330, *Econ. 311 or 420 .....	3	3
Mgt. 430 .....	3	3
**Electives .....	6	4
Bus. 435, Bible .....	2	2
	<hr/>	<hr/>
	17	16

\* Alternate-year courses.  
\*\* 6 hours must be elected from the School of Business.

**COMPUTER INFORMATION SYSTEMS (B.B.A.):** The following program is outlined for computer information systems majors.

First Year	F.	Sp.
Eng. 102 or 103, ComO 101 .....	3	3
Hist. 101, Psy. 131 .....	3	3
*Math 210, CIS 214 .....	3	3
Music 101, Art 101 .....	2	2
P.E. 101, Phy. Sci. 101 .....	2	2
Bible 101, 112 .....	2	2
	<hr/>	<hr/>
	15	15

Second Year	F.	Sp.
Acct. 205-206 .....	3	3
CIS 220, 221 .....	3	3
Econ. 201-202 .....	3	3
Eng. 201, 202 .....	3	3
P.E. activity .....	1	1
Phy. Sci. 102 .....	2	
From Bible 211, 213, 234 .....	2	2
	<hr/>	<hr/>
	17	15

**MANAGEMENT (B.B.A.):** The following program is outlined for management majors. The first and second years are the same as for economic majors.

Third Year	F.	Sp.
Acct. 306 .....	3	
Bus. 315, 316 .....	3	3
Mgt. 332 or 333 .....	3	
Mgt. 368, Mkt. 330 .....	3	3
Pol. Sci. 202 or 205 .....	3	
*Electives .....	3	
Bible .....	2	2
Bus. 260, 261 .....	3	3
	<hr/>	<hr/>
	17	17

Fourth Year	F.	Sp.
Bus. 343, Mgt. 425 .....	3	3
Bus. 350 .....	3	3
Mgt. 354, 430 .....	3	3
P.E. activity .....	1	
*Electives .....	7	6
Bus. 435, Bible .....	2	2
	<hr/>	<hr/>
	16	17

\* 12 hours of electives must be in the School of Business.

Third Year	F.	Sp.
Bus. 315, Mkt. 330 .....	3	3
Bus. 343, Mgt. 368 .....	3	3
Bus. 260, 261 .....	3	3
CIS 271, 272 .....	3	3
Hist. 111, Pol. Sci. 202, 205, or Soc. 203 .....	3	3
Bible .....	2	2
	<hr/>	<hr/>
	17	17

Fourth Year	F.	Sp.
Bus. 350, Biol. 111 .....	3	3
CIS 421 .....	3	3
Mgt. 430, C. Sc. 435 .....	3	3
**Electives .....	9	4
Bus. 435, Bible .....	2	2
	<hr/>	<hr/>
	17	15

**MARKETING (B.B.A.):** The following program is outlined for marketing majors. The first and second years are the same as for economics majors.

Third Year	F.	Sp.
Bus. 260, 261 .....	3	3
Bus. 315 .....	3	
Mgt. 368, Mkt. 330 .....	3	3
Mkt. 335, 337 .....	3	3
Pol. Sci. 202 or 205 .....	3	
*Electives .....	3	3
Bible .....	2	2
	<hr/>	<hr/>
	17	17

Fourth Year	F.	Sp.
Bus. 343, Mgt. 430 .....	3	3
Mkt. 331, Bus. 350 .....	3	3
Mkt. 336, 400 .....	3	3
P.E. activity .....	1	
*Electives .....	6	4
Bus. 435, Bible .....	2	2
	<hr/>	<hr/>
	17	16

\* 12 hours of electives must be in the School of Business.

**ECONOMICS (B.B.A.):** The following program is outlined for economics majors.

First Year	F.	Sp.
Eng. 103, Com O 101 .....	3	3
Hist. 101, Psy. 131 .....	3	3
*Math 210, Biol. 111 .....	3	3
Music 101, Art 101 .....	2	2
P.E. 101, Phy. Sci. 101 .....	2	2
Bible 101, 112 .....	2	2
	<hr/>	<hr/>
	15	15

Second Year	F.	Sp.
Acct. 205-206 .....	3	3
Econ. 201-202 .....	3	3
Eng. 201, 202 .....	3	3
Phy. Sci. 102 .....	2	
P.E. activity .....	1	
Hist. 111, CIS 214 .....	3	3
From Bible 211, 213, 234 .....	2	2
	<hr/>	<hr/>
	16	15

**OFFICE SYSTEMS (B.A.):** The following program is outlined for office systems majors.

First Year	F.	Sp.
Bible 112, 101 .....	2	2
Art 101, Mus. 101 .....	2	2
Bus. 117, 107 .....	2	2
Eng. 103 .....	3	
Hist. 101, 111 .....	3	3
P.E. 101, P.E. Activity .....	2	1
Bus. 218 .....	1	
Math 101 or 105 .....	3	
Psy. 131 .....	3	
	<hr/>	<hr/>
	15	16

Second Year	F.	Sp.
Bible 211, 213, 234 .....	2	2
Acct. 205, 206 .....	3	3
Eng. 201, 202 .....	3	3
Bus. 219, 253 .....	3	3
Phy. Sci. 102, 101 .....	2	2
Econ. 201, 202 .....	3	3
	<hr/>	<hr/>
	16	16

\* Students not adequately prepared to take Math 210 should take Math 105 and plan to take Math 210 the following summer session. A grade of "B" in 105 is prerequisite to 210.  
\*\* 9 hours of elective from Acct. 301, 305; CIS 329, 412; Mgt. 354; Mkt. 335, 336; or any C.Sc. course (other than 211); 3 hours must be from CIS courses.

Third Year		F.	Sp.
Bible elective .....		2	2
Econ. 320, Mgt. 368 .....		3	3
Mkt. 330, Bus. elective .....		3	3
Bus. 315, Bus. elective .....		3	3
Bus. 251 .....		3	
Electives .....		2	6
		<u>16</u>	<u>17</u>

Fourth Year 1985-1986 Harding University Catalog

Bus. 435, Bible elective .....	2
Bus. elective .....	3
Electives .....	3
Elective, CIS 214 .....	3
Biol. 111 .....	3
Pol. Sci. 202 or 205 .....	3
Com O 101 .....	3
Bus. 350, P.E. activity .....	3
	<u>17</u>

### Accounting (M.S.)

#### Accounting Undergraduate:

Summer	Semester Hours
Acct. 608 .....	3
CIS 605 .....	3
	<u>6</u>

Fall	Semester Hours
Acct. 604 .....	3
Bus. 606 .....	3
Bible .....	2
Electives .....	6
	<u>14</u>

Spring	Semester Hours
Acct. 607 .....	3
Acct. 609 .....	3
Electives .....	6
	<u>12</u>

TOTAL \*32

\* This schedule includes a minimum of 42 hours of accounting. Most will have 45.

#### Non-Accounting Business Undergraduate: (Student can complete this in 15 months.)

Summer	Semester Hours
Acct. 301 .....	3
Acct. 302 .....	3
Acct. 506 .....	3
Acct. 410/510 .....	3
	<u>12</u>

Fall	Semester Hours
Acct. 501 .....	3
Acct. 505 .....	3
Acct. 604 .....	3
Bus. 606 .....	3
	<u>12</u>

Spring	Semester Hours
Acct. 609 .....	3
Acct. 607 .....	3
Bible .....	2
Grad. Acct. Electives, (502, 503, 507, 650) .....	3
Bus. 316 .....	3
	<u>14</u>

Summer	Semester Hours
Acct. 608 .....	3
CIS 605 .....	3
	<u>6</u>

TOTAL 44  
\* This schedule includes 39 hours of accounting. It should be noted that this is the maximum number of hours that a student would need to take. Hours may be less due to specific courses the individual student has already completed.

Business Major: (Student can complete this in 22 months.)

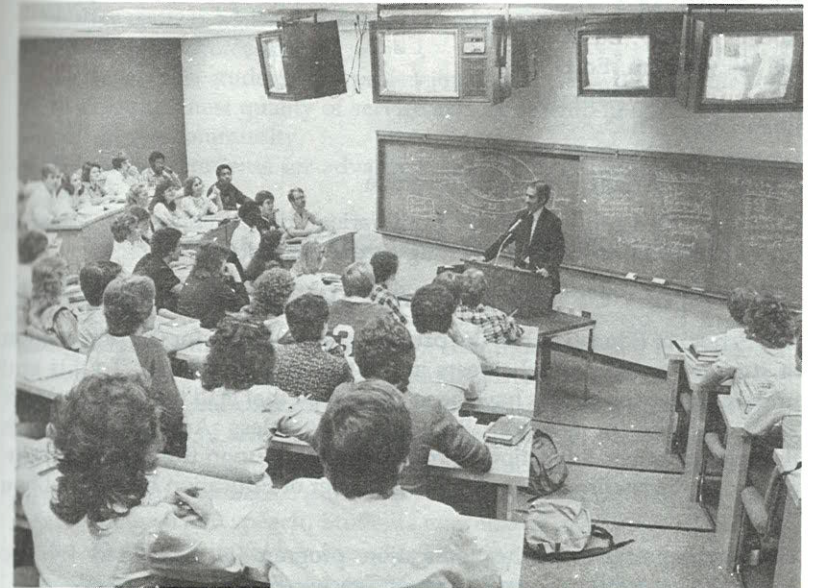
Fall	Semester Hours	Spring	Semester Hours
Acct. 205 .....	3	Acct. 206 .....	3
Econ. 201 .....	3	Econ. 202 .....	3
Bus. 315 .....	3	Bus. 535 .....	2
CIS 214 .....	3	Bus. 260 .....	3
Math 210 .....	3	Mgt. 368 .....	3
	<u>15</u>	Bus. 316 .....	3
			<u>17</u>

Interession	Semester Hours	Summer	Semester Hours
Mkt. 330 .....	3	Acct. 301 .....	3
		Acct. 302 .....	3
		Acct. 306 .....	3
		Bus. 343 .....	3
			<u>12</u>

Fall	Semester Hours	Spring	Semester Hours
Acct. 501 .....	3	Grad. Acct. Electives, (502, 503, 507, 650) .....	3
Acct. 510 .....	3	Acct. 607 .....	3
Acct. 505 .....	3	Acct. 609 .....	3
Acct. 604 .....	3	Mgt. 530 .....	3
Bus. 606 .....	3		<u>12</u>
	<u>15</u>		

Summer	Semester Hours	TOTAL	Semester Hours
Acct. 608 .....	3		
CIS 605 .....	3		
	<u>6</u>		<u>80</u>

This includes 39 hours of accounting. It should be noted that this is the maximum number of hours that a student would need to take. Hours may be less due to the specific undergraduate major.



## SCHOOL OF EDUCATION

DEAN: Bobby L. Coker, Ed.D.

DIRECTOR OF GRADUATE STUDIES:  
Wyatt Jones, Ed.D.

### PROFESSORS:

Bobby L. Coker, Ed.D.  
Director of Teacher Education

Jerome M. Barnes, Ed.D.

James F. Carr, Jr., Ed.D.

### ASSOCIATE PROFESSORS:

H. Wade Bedwell, Ph.D.

Lois L. Brown, M.A.

Betty Work Watson, M.A.

### ASSISTANT PROFESSORS:

Richard Duke, Ph.D.

### ASSISTANT PROFESSORS:

Lewis Finley, Ed.D.

James Nichols, Ed.D.

Assisting from other departments:

George Edward Baggett, D.M.E.

Karyl V. Bailey, Ph.D.

Rodger Lee Brewer, M.S.

Sharen Deacon Crockett, M.S.

Loleta Higginbotham, MAT.

Fred R. Jewell, Ed.D.

John Kellar, M.A.

Robert J. Kelly, Ed.D.

Bill W. Oldham, Ed.D.

Elaine C. Thompson, M.A.

Evan Ulrey, Ph.D.

George W. Woodruff, Ed.D.

Winfred O. Wright, Dr. de l'Universite

Other qualified representatives from various departments may assist in the supervision of student teaching as the need arises.

### OVERVIEW OF THE TEACHER EDUCATION PROGRAM

The School of Education has the primary responsibility for the preparation of students for successful careers in the teaching profession. To this end undergraduate programs have been developed that lead to the Bachelor of Arts, Bachelor of Science, Bachelor of Business Administration, or Bachelor of Music Education degree, depending upon the major. Graduate programs leading to the degree of Master of Education have also been developed.

The undergraduate teacher education program is accredited by the National Council for Accreditation of Teacher Education.

A complete curriculum of advanced work in the various subject-matter fields and professional areas is available. Students with suitable personal qualities holding the bachelor's degree are eligible for admission to graduate study. Admission, however, is provisional for those who do not hold a six-year teacher's certificate or its equivalent based on a degree. Graduating seniors within nine semester hours of graduation are eligible for admission to graduate work provided they observe the regulations concerning admission to the graduate program.

The undergraduate program is structured to meet the needs of two groups of clients; namely, students who need pre-service preparation for teaching and experienced teachers who need additional preparation for self-improvement. Course work for the former group will be scheduled in the fall semester and largely repeated in the spring semester. Course work for in-service teachers will appear on evening schedules during the regular school year and on summer session schedules.

### AIMS OF THE TEACHER EDUCATION PROGRAM

The aims of the School of Education at Harding University are:

1. To assist students to gain an understanding of human behavior.
2. To contribute to the objectives of the general education of the individual student.
3. To develop in students a proper understanding and appreciation of the contribution of the schools to our civilization and life.
4. To identify and encourage students with professional promise to enter the teaching profession.
5. To develop in such students the competencies and qualities essential in successful teachers.
6. To provide adequate preparation in both professional and subject-matter courses which the teachers need to meet fully the responsibilities of their profession.
7. To develop in students the professional attitudes which enable them to give the finest quality of service and leadership in their profession and in the community.
8. To prepare students for advanced training in education and related fields.

### SCOPE AND LIMITATIONS OF THE PROGRAM

One of the major functions of Harding is the preparation of elementary and secondary school teachers. This function is served at both the undergraduate and graduate levels. On the undergraduate level elementary teachers are prepared to teach in kindergarten, in grades one through eight, and in special education, and secondary teachers are prepared to teach in the fields of art, biology, business, chemistry, driver's education, English, French, general science, health education, home economics, journalism, mathematics, music, physical education, physics, social science, Spanish and speech. Students may also be certified to teach in the middle school and in speech therapy. The graduate program is designed primarily to develop superior elementary and secondary teachers in a

limited number of areas. The graduate program is not designed to provide administrative personnel or specialized services except in the area of elementary administration.

### BASIC BELIEFS OF THE PROGRAM

The education of teachers embraces three areas: general education, professional education, and subject field education.

The basic beliefs can be summarized as follows:

1. The minimum amount of training required must be a bachelor's degree.
2. Prospective teachers should develop a real commitment to their chosen profession and to the program of work required in preparing for it.
3. The teacher should be an educated person in both the liberal arts and in the fields of specialization.
4. The teacher should be a professionally educated person.
5. The teacher should enter his professional career as a qualified competent practitioner and as a responsible member of the community.

The following assumptions are made:

1. The minimum amount of training required must be a bachelor's degree.
2. Graduates of the teacher training program must be prepared to teach in schools of Arkansas and other states of the United States. Elementary teachers must receive training in broad subject areas and specialized content areas as well as in professional courses. Secondary teachers must be trained as specialists in their teaching fields.
3. Graduates from the institution will participate in the total school program and will assume leadership in their school's co-curricular activities and community responsibilities to a degree compatible with their training and ability.
4. Graduates from the institution must be adequately prepared to continue their training at the graduate level in the larger and stronger universities.
5. Selective admission procedures must insure the recruitment of prospective teachers at a steadily increased level of achievement.
6. Teacher preparation requires a balance of general, professional, and subject field education.

### SENIOR EXAMINATIONS

All seniors in the teacher education program must take the Core Battery Test and the appropriate Specialty Area Test of the National Teacher Examinations. By action of the Arkansas General Assembly, appropriate NTE scores must be submitted to the Arkansas Department of Education in each area for which certification is sought. During the summer of 1982, the Arkansas Department of Education set minimum scores that must be achieved on the various sections of the NTE in order for a student to obtain

admission in Arkansas. An official transcript of each student's score report must be on file in the Testing Office.

### GRADUATE STUDIES

Those interested in the Master of Education or Master of Science in Education program at Harding University should write: Dr. Wyatt Jones, Director of Graduate Studies, Harding University, Box 884, Searcy, Arkansas 72143, for a Graduate Catalog and application for admission forms.

### ORGANIZATION FOR TEACHER EDUCATION

Responsibility for the administration of the total undergraduate teacher education program is assigned to the Dean of the School of Education. The Teacher Education Committee is an institution-wide interdepartmental committee with student representation and is responsible for formulating policies and coordinating all aspects of the teacher education program. The Committee on Admission and Retention to Teacher Education recommends criteria in this area and applies the criteria adopted by the Teacher Education Committee.

### GENERAL EDUCATION REQUIREMENTS

The following general education requirements are specific requirements of the state department of education and must be satisfied by course credit. These requirements cannot be satisfied by exemption tests.

1. English (may include Com O 101, but excludes Humanities, Journalism and other Speech) - 12 semester hours.
2. Biological Science, Physical Science, and Mathematics (one course in each) - 9 semester hours.
3. Social Studies (including a minimum of one course in U.S. History and one course in U.S. Government) - 12 semester hours. (To meet Harding's requirements, Sociology 203 must also be included.)
4. Physical Education (including Health Education 203 and 3 semester hours of physical education activity) - 6 semester hours.

### ADMISSION TO THE TEACHER EDUCATION PROGRAM

All students who wish to prepare for a career in teaching must apply for and be formally admitted to the teacher education program. The faculty believes that those who enter the teaching profession should compare favorably with those entering other professions. The criteria for admission to and retention in the teaching education program include: emotional stability; ability to communicate effectively through speaking and writing; personal, social, moral, and ethical fitness; general intellectual ability; physical fitness; and pre-teaching laboratory experience.

To be admitted to the teacher education program, a student must:

1. Satisfy all requirements for admission into the University.

2. File a formal application for admission into the program with the Director of Field Experiences. This application should be filed no later than the second semester of the student's sophomore year. Transfer students who plan to teach should make formal application for admission to the Teacher Education Program if they have completed 45 or more semester hours of work. Admission to the Teacher Education Program is a prerequisite for admission to all required professional education courses except Education 203, 204, and 303.
3. Have satisfactorily completed Education 203 and 204. Any substitute must be approved by the Dean of the School of Education.
4. Obtain an up-to-date transcript from the Registrar's Office to submit with the application for admission to the Teacher Education Program.
5. Have a minimum cumulative grade point average of 2.25 at the time of application.
6. Have demonstrated proficiency in English by the successful completion of 6 hours from Eng. 102-103-104, with at least a minimum grade of "C" in each course. (For students certifying to teach English, Eng. 281 is accepted in lieu of Eng. 104. A student must earn a minimum grade of "C" in Eng. 281 if it is used as a substitute for Eng. 104.)
7. Be free of mental or physical conditions inimical to effective teaching and complete a speech and hearing screening administered by the communication disorders clinic.
8. Meet acceptable standards of adjustment in the areas of personal, social, moral, and ethical behavior. Letters of recommendation, conferences with University personnel acquainted with the student, and special interviews with the student may be used to make evaluations in these areas.
9. Have favorable recommendation of the chairman of the appropriate major academic area or the recommendation of at least two faculty members with whom the student has or has had courses.
10. Not be on academic probation at the time of making application.

The Teacher Education Committee may impose further standards not catalogued or change standards which are catalogued as the need arises in order to conform to the standards of the National Council for Accreditation of Teacher Education and the regulations of the Arkansas State Department of Education. Such changes become a part of the Teacher Education Program requirements at the time specified by this Committee.

Formal admission to the teacher education program is a prerequisite for enrollment in all junior-senior level education courses required for certification, except Education 303. Students are requested to make application to the program no later than the end of the second semester of their sophomore year, provided all prerequisites have been satisfactorily completed. Every possible effort will be made to counsel the students wisely and adequately; but the students have the responsibility of planning their program so that all requirements are met.

**ADMISSION TO THE SUPERVISED TEACHING SEMESTER**

Initial admission to the teacher education program does not guarantee retention in it. At least one semester in advance of the semester during

which supervised teaching is to be done, request for admission to supervised teaching should be made by filling out the required application forms and filing them with the Director of Field Experiences.

This student can be admitted to the supervised teaching semester who has not completed the general education requirements or has not programmed them to the satisfaction of the Committee on Admission to and Retention in Teacher Education.

Applicants for the supervised teaching semester in elementary education must have completed Educ. 203, 204, 307, 336, 412, and 15 semester hours selected from Art 211, Biol. 308, Econ. 315, Eng. 350, Math 225, Music 116, P.E. 330, Com 0 315, one course from Geog. 212, 300, or 301 prior to the supervised teaching semester. Educ. 320 may be completed prior to or during the supervised teaching semester.

Applicants for the supervised teaching semester in secondary education, except for vocational home economics majors, must have completed Educ. 203, 204, 307, 320, 336, and one course from Educ. 419-430, unless the audio-visual and special methods courses are scheduled as a part of the supervised teaching semester. They must also have completed, or be able to complete during the supervised teaching semester, the minimum Arkansas certification requirements in the subject-matter area in which supervised teaching is to be done. Students in vocational home economics must have completed Educ. 307, 320, 336, 424, and Home Ec. 322 or 323.

Applicants for the supervised teaching semester in Special Education/ Mildly Handicapped must have completed Educ. 203, 204, 303, 307, 315, 336, 400, 407, 408, 412, 414; 18 semester hours from Eng. 350, Health Educ. 203, Math 115, 225, P.E. 415, Soc. 203, Com D 250; and two courses selected from Art 211, Music 116, Com 0 315, P.E. 330 prior to the supervised teaching semester. Educ. 320 and 409 may be completed prior to the supervised teaching semester, or they may be completed during the supervised teaching semester.

All but one of the courses Educ. 203, 307 and 336 must be taken in residence at Harding, and it is strongly recommended that all be taken in residence. None of these courses may be taken by correspondence.

To be eligible for admission to the supervised teaching semester students must:

1. Have been admitted to the Teacher Education Program.
2. File formal application to the supervised teaching semester. This must be filed prior to the semester in which supervised teaching is to be done.
3. Obtain an up-to-date transcript from the Registrar's Office to file with the application for admission to supervised teaching.
4. Have approval of chairman of their academic teaching area.
5. Have approval of the professional advisor.
6. Have on file in the office of the School of Education a curriculum plan showing a program of study which has the approval of both their academic and professional advisors.



7. Have completed satisfactorily all catalogued prerequisites for supervised teaching semester.
8. Have completed, or be able to complete during that semester, the minimum Arkansas requirements in approved subject-matter courses for the area in which they are to do supervised teaching. Home economics majors must have a minimum of 32 hours of the home economics requirements completed.
9. Have a minimum cumulative grade point average of 2.35.
10. Have a minimum grade point average of 2.50 in their major teaching area for the secondary program. OR: Have a minimum grade point average of 2.50 in the professional and content and specialization courses required for the elementary or special education major.
11. Not be on academic probation.
12. Have a minimum grade of "C" in each Education course that is required in the particular Teacher Education Program they are following.

### SUPERVISED TEACHING SEMESTER

During the supervised teaching semester, elementary education majors will be enrolled in Educ. 401, 402, 403, 413, 441, and 320 if not already completed. Special education (mildly handicapped) majors will be enrolled in Educ. 401, 403, 409, 413, 475, and 320 if not already completed. Secondary education majors, except for vocational home economics majors, will be enrolled in Educ. 320, 417, 419-430, and 451 or 461. Students majoring in vocational home economics will be enrolled in Educ. 320, 417, 451, and Home Ec. 405, 412. Special methods for secondary teachers, Educ. 419-430, must be taken prior to or concurrent with the supervised teaching semester. Courses required in the supervised teaching semester must be taken in residence at Harding unless approved otherwise by the Dean of the School of Education.

### CURRICULA

Major in Elementary Education: 34 hours, including Education 203, 204, 303, 307, 320, 336, 401, 402, 403, 412, 413, 441. The following content and specialization courses must be completed: Art 211; Biol. 308; Econ. 315; Eng. 350; one course from Geog. 212, 300 or 301; Health Ed. 203; Math 115, 225; Music 116; P.E. 330; Soc. 203; and Com O 315. **Students seeking certification as a kindergarten teacher must also take Educ. 381 or 383, 410, and 411.** A minor is not required.

Major in Secondary Education: 30 hours, including Educ. 203, 204, 307, 320, 336, 417, one course from 419-430, 451, and at least 6 additional hours of education elected from Educ. 303, 400, 405, 406, 407, 408, 409, 414, 416, and another course from 419-430. In addition, Soc. 203, Health Ed. 203 and 3 hours of physical education activity courses, must be completed.

It is strongly recommended that secondary teachers major in a subject-matter area rather than in education. Secondary teachers, however, must include in their programs Education 203, 204, 307, 320, 336, 417, one course from 419-430, 450, 451 (or 461); Sociology 203; and 6 hours of

physical education including Health Education 203 and 3 hours of physical education activity. All students planning to teach on the secondary level must major in a subject-matter area or, with the exception of students who major in Bible or psychology, **meet minimum Arkansas certification requirements in at least two subject-matter areas.** Meeting minimum requirements set by the State Department of Education does not constitute a program approved by the National Council for Accreditation of Teacher Education (NCATE). **NCATE accreditation applies only to those areas where the student completes a catalogued major through the Teacher Education Program.**

Major in Special Education (Mildly Handicapped): 77 hours in Education 303, 204, 303, 307, 315, 320, 336, 400, 401, 403, 407, 408, 409, 412, 413, 414, and 475; P.E. 415; Com D 250; two courses selected from Art 211, Music 116, Com O 315, and P.E. 330; and the following content and specialization courses; Eng. 350, Health Ed. 203, Math 115, 225; Soc. 203.

Health Ed. 203, Hist. 101, Pol. Sci. 205, Soc. 203, and **3 hours of credit in mathematics** are required of all students certifying to teach.

**303. HUMAN GROWTH AND DEVELOPMENT.** (3) Fall, Spring, Summer.

The physical, mental, emotional, social, and psychological development of the human individual. Special attention is given to the application of the principles of psychology to an understanding of human growth and development from infancy through adulthood. It cannot be taken by correspondence. Six hours of observation are required.

**304. DIRECTED EXPERIENCES.** (2) Fall, Spring.

Participation in a variety of instructional activities and observations in a school setting. Required of students certifying to teach. Fee: \$10.50.

**303/503. PSYCHOLOGY OF THE EXCEPTIONAL CHILD.** (3) Fall, Spring, Summer.

A study of those children considered to be exceptional, in reference to their educational and psychological needs, with discussion of all phases and concepts of exceptionality. Prerequisite: 303 or Psy. 240.

**307. EDUCATIONAL PSYCHOLOGY.** (3) Fall, Spring, Summer.

The basic processes and principles of human behavior, the development and growth of man's equipment for learning, the learning process, learning and forgetting, motivation, principles of learning, with special efforts to make application of the principles of psychology to the problems of the classroom teacher. **Requires a minimum of 12 hours of laboratory work.** Either 307 or 336, preferably both, must be completed in residence at Harding. Cannot be taken by correspondence. Prerequisite: Formal admission to the teacher education program.

**315/515. ADVANCED HUMAN GROWTH AND DEVELOPMENT.** (3) Spring, Summer.

Advanced study of the development of the human individual from conception through the young adult. Special attention is given to the application of the principles of the major theories of development. Six hours of observation are required. This course is required of all special education majors. Prerequisite: Education 203 and formal admission to the teacher education program.

**320. AUDIO-VISUAL AIDS.** (2 or 3) Fall, Spring, Summer.

Technical problems related to audio-visual equipment, the value and importance of these aids to learning and their use in actual teaching situations. Laboratory periods to be arranged. Prerequisite: Formal admission to the teacher education program. Fee: \$11.50.

**336. HISTORY AND PHILOSOPHY OF EDUCATION.** (3) Fall, Spring.

A study of the history and some of the major philosophies of education in the United States. Requires a minimum of 6 hours of laboratory work. Either 307 or 336, preferably both, must be taken in residence at Harding. Cannot be taken by correspondence. Prerequisite: Formal admission to the teacher education program.

**381. KINDERGARTEN PRACTICUM.** (3) Fall, Spring.

Practical application of theories and methods in working with pre-school children. Students who have completed, or will complete, 441 in grades 1-3 need to take this for only 3 hours. Other students certifying for kindergarten will need to take 382 for 6 hours. Prerequisite: 203, 204, 307, 336, 410 or 411; a minimum of 15 hours from Art 211, Biol. 308, Econ. 315, Eng. 350; one course from Geog. 212, 300 or 301; Math 225, Music 116, Physical Education 330, Com O 315; and junior standing. Fee: \$25.

383. **KINDERGARTEN PRACTICUM.** (6) Fall, Spring.  
Same as 381 except twice as much time must be spent working with pre-school children. **Must be taken by students who have completed or will complete, 441 in grade 4 or higher.** Prerequisites: Same as for 381. Fee: \$50.
- 400/500. **MEASUREMENT AND EVALUATION OF THE EXCEPTIONAL CHILD.** (3) Fall.  
Special diagnostic procedures for children who are exceptional, with emphasis on the interpretation and application in the educational process. The course is accompanied with a lab which is required. Fee: \$11.50.
401. **METHODS IN ELEMENTARY MATHEMATICS.** (2) Fall, Spring.  
**Requires at least 6 hours of laboratory work** which includes collection and organization of materials for supervised teaching. Student will have some out-of-pocket expense in developing collections. Prerequisites: Same as for Education 441. This course should be taken during the supervised teaching semester.
402. **METHODS IN ELEMENTARY SCIENCE.** (2) Fall, Spring.  
**Requires at least 6 hours of laboratory work** which includes collection and organization of materials for supervised teaching. Student will have some out-of-pocket expense in developing collections. Prerequisites: Same as for Education 441. This course should be taken during the supervised teaching semester.
403. **LANGUAGE ARTS IN THE ELEMENTARY SCHOOL.** (2) Fall, Spring.  
A course designed to acquaint teachers with research, methods, and materials for creative writing. **Requires at least 6 hours of laboratory work.** Prerequisites: Same as for Education 441. This course should be taken during the supervised teaching semester. Fee: \$11.50.
- 407/507. **PRINCIPLES OF BEHAVIORAL MANAGEMENT.** (3) Fall.  
Study of behavioral management principles with special emphasis on behavior modification with attention given to the planning of individualized educational programs for each child. Prerequisite: Formal admission to the teacher education program.
- 408/508. **NATURE/NEEDS OF CHILDREN MILDLY HANDICAPPED.** (3) Fall.  
Problems encountered by the child with learning disabilities and his specific needs in terms of educational, social, and psychological development. Prerequisite: Formal admission to the teacher education program.
- 409/509. **EDUCATIONAL PROCEDURES FOR CHILDREN MILDLY HANDICAPPED.** (3) Spring.  
Disorders of auditory and written language, reading, arithmetic, and non-verbal disorders of learning with emphasis placed on the educational and psychological needs of the learning disabled students. Prerequisite: Formal admission to the teacher education program. Usually taken during supervised teaching semester.
- 410/510. **KINDERGARTEN CURRICULUM.** (3) Fall.  
Study of techniques of teaching content of the kindergarten curriculum. **Minimum of 6 hours of laboratory work.** Prerequisite: Admission to the teacher education program.
- 411/511. **KINDERGARTEN METHODS AND MATERIALS.** (3) Spring.  
Objectives, materials and methods of teaching in the kindergarten curriculum. **Minimum of 6 hours of laboratory work.** Prerequisite: Admission to the teacher education program.
- 412/512. **DEVELOPMENTAL READING I.** (3) Fall, Spring, Summer.  
Teaching reading in the primary grades with an emphasis on understanding the nature of reading, readiness skills necessary for successful reading, word recognition skills, comprehension skills, approaches to teaching reading, and diagnostic teaching of reading. Prerequisite: Admission to the teacher education program.
- 413/513. **DEVELOPMENTAL READING II.** (3) Fall, Spring.  
Teaching reading in the upper elementary grades with emphasis on diagnostic teaching, structural analysis, vocabulary development, comprehension skills, functional reading skills, study skills, and reading in the content areas. Prerequisites: Same as for Education 441. Should be taken during the supervised teaching semester.
- 414/514. **PSYCHOLOGY OF THE EMOTIONALLY DISTURBED CHILD.** (3) Spring.  
Acquaints student with a variety of diagnostic and theoretical approaches to children who are emotionally disturbed and behaviorally disordered. The course is organized so that all the major theoretical approaches are reviewed, compared, and contrasted. This course is designed to give the necessary practical tools for implementation of a program for children in conflict. Prerequisite: Admission to the teacher education program and junior standing or higher.
416. **THE MIDDLE SCHOOL.** (3) Spring, Summer.  
A practical and contemporary study of methods and materials of teaching in the Middle School along with a study of the organization and the development of the Middle School curriculum. An exploration of future trends in the subject-field content at the Middle School level will be explored through discussion, problem solving, and projects.
417. **TESTS AND MEASUREMENTS.** (3) Fall, Spring.  
Deals with problems of evaluation; how to improve the grading systems in the school; construction and evaluation of tests; uses and interpretation of test results. Prerequisites: Same as for Education 451 or 461. Should be taken during the supervised teaching semester; exceptions must be approved in advance by the Dean of the School of Education.
- 419-430. **SPECIAL METHODS OF TEACHING HIGH SCHOOL SUBJECTS.**  
The courses listed below deal with the curriculum and methods of teaching the various high school subjects. At least one of these special methods courses is either a prerequisite or a co-requisite to the supervised teaching semester. Prerequisite: Formal admission to the teacher education program. Fee: \$11.50 each.
419. **METHODS OF MODERN FOREIGN LANGUAGE TEACHING.** (3) Fall.  
Instruction in modern methods of language teaching, and training in their uses. Required of all students certifying to teach a foreign language on the secondary level. Fee: \$11.50.
420. **TEACHING ART.** (3) Spring.  
Techniques and methods of teaching art in the secondary school. Required of all art education majors. Fee: \$11.50.
421. **TEACHING BASIC BUSINESS.** (3) Spring.  
The objectives and place of business education in the curriculum, the application of methods for the basic business understanding, and techniques and methods of teaching business subjects in the secondary schools. Fee: \$11.50.
423. **TEACHING ENGLISH.** (3) Spring.  
Techniques and methods of teaching English in the secondary school. Fee: \$11.50.
424. **TEACHING HOME ECONOMICS.** (3) Fall.  
The basic philosophy of vocational home economics and its place in the total educational program of the school and community, collection and organization of teaching materials, evaluation, teaching aids, equipment, and management of the department. Fee: \$11.50.
425. **TEACHING MATHEMATICS.** (3) Spring.  
Techniques and methods of teaching mathematics in the secondary school. Required of all mathematics education majors. Fee: \$11.50.
426. **SECONDARY MUSIC METHODS.** (3) Fall, Spring.  
Organization and objectives of music education programs, methods of instruction and the directing of choral organizations in high school. Registration restricted to music majors. Fee: \$11.50.
427. **METHODS AND MATERIALS IN PHYSICAL EDUCATION.** (3) Spring  
A study of methods as they apply to the total program and to the organization, instruction and selection of activities at the class level. Fee: \$11.50.
428. **TEACHING SCIENCE.** (3) Fall.  
Techniques and methods of teaching the biological, physical and earth sciences in the secondary school. Fee: \$11.50.
429. **TEACHING SOCIAL SCIENCE.** (3) Fall.  
Techniques and methods of teaching social science in the secondary school. Fee: \$11.50.
430. **TEACHING SPEECH.** (3) Fall.  
Methods of instructing speech at the secondary level: speech fundamentals, public speaking, discussion, debate, interpretation, radio and drama. Fee: \$11.50.
- 450/550. **STUDIES IN EDUCATION.** (1-3) May be taken for a maximum of 6 hours.  
Specialized study in a particular field of education.
441. **SUPERVISED TEACHING: ELEMENTARY.** (6-8) Fall, Spring.  
A minimum of eight weeks of teaching in a regular school situation under the supervision of a qualified supervising teacher is required. Prerequisites: Educ. 203, 204, 303, 307, 320, 336, 412; a minimum of 15 hours from Art 211, Biol. 308, Econ. 315, Eng. 350; Geog. 212, 300 or 301, Math. 225, Music 116, P.E. 330, Com O 315; and formal admission to the supervised teaching semester. Transfer students who took Educ. 307 or 336 elsewhere may be requested to do additional laboratory work in the course taken in residence here. Application to the supervised teaching semester must be filed with the Director of Field Experiences the semester prior to the semester in which supervised teaching is to be done. The maximum credit that can be earned during the supervised teaching semester is normally 17 hours, but the Dean may permit 18

hours when circumstances justify. Credit by transfer for courses required in the supervised teaching semester will be accepted only upon approval of the Dean of School of Education. Fee: \$50.

**451. SUPERVISED TEACHING: SECONDARY.** (6-8) Fall, Spring.

A minimum of eight weeks of teaching in a regular school situation under the supervision of a qualified supervising teacher is required. Prerequisite: Education 203, 204, 307, 320, 336, one course from 419-430, and formal admission to the supervised teaching semester. Education 419-430 may be taken concurrently. Transfer students with advanced standing credit in Educ. 307 or 336 may be required to do additional laboratory work in the course taken in residence here. Application to the supervised teaching semester must be filed with the Director of Field Experiences the semester prior to the semester in which supervised teaching is to be done. The maximum credit which can be earned during the supervised teaching semester is normally 17 hours, but the Dean may permit 18 hours when circumstances justify. Credit by transfer for courses required in the supervised teaching semester will be accepted only upon approval of the Dean of the School of Education. The final grade in this course will not be submitted to the Registrar's Office until all certification requirements, in two fields where applicable, have been satisfactorily completed. Fee: \$50.

**461. SUPERVISED TEACHING: K-12.** Fall, Spring.

All students certifying in Art or Music must take Education 461. Prerequisites for admission are the same as for Education 451 except for additional courses that will be designated by the Dean of the School of Education. Read the course description for Educ. 451. Fee: \$50.

**475. SUPERVISED TEACHING: MILDLY HANDICAPPED.** (6-8) Spring.

A minimum of eight weeks of teaching under supervision of a qualified supervising teacher. Prerequisites: a minimum of 15 hours from Education 303, 336, 408, 409; Educ. 414; Psy. 400; and Com O 250; a minimum of 15 hours from Art 211, Biol. 308, Econ. 315, Eng. 350, Geog. 212, 300 or 301, Math. 225, Music 116, and P.E. 330; and formal admission to the supervised teaching semester. Application to the supervised teaching semester must be filed with the Director of Field Experience the semester prior to the semester in which supervised teaching is to be done. The maximum credit that can be earned during the supervised teaching semester is normally 17 hours, but the Dean may permit 18 hours when circumstances justify. Credit by transfer for courses required in the supervised teaching semester will be accepted only upon approval of the Dean of the School of Education. Fee: \$50.

**481. STUDENT TEACHING PRACTICUM.** (3) Fall, Spring.

A minimum of four weeks of teaching, or its equivalent, in a regular school situation under the supervision of a qualified supervising teacher is required. This course is available only to those students who need more than the normal six hours of teaching and to those who have satisfied all requirements for admission to the student teaching semester. May be repeated as needed. Fee: \$25.

**PROGRAMS FOR SCHOOL OF EDUCATION**

**ELEMENTARY EDUCATION - Grades 1-6 (B.A.):** The following is the suggested program for elementary education majors Grades 1-6:

First Year		Second Year		Third Year		Fourth Year		
F.	Sp.	F.	Sp.	F.	Sp.	F.	Sp.	
From Eng. 102-103-104.....	3	3	Geog. 212, Soc. 203.....	3	3	Educ. 320, 401.....	2	2
Hist. 101, 111.....	3	3	Educ. 203, 204.....	3	2	Educ. 412, 402.....	3	2
Math. 115, Biol. 111.....	3	3	Eng. 201, 202.....	3	3	Educ. 403.....	2	2
Music 101, Art 101.....	2	2	Music 116, Art 211.....	3	3	Electives, Educ. 413.....	6	3
P.E. 101, Com O 101.....	2	3	P.E. activity.....	2	1	Pol. Sci. 205, Educ. 441.....	3	6
Bible 112, 101.....	2	2	Phy. Sci. 102, 101.....	2	2	Bible.....	2	2
			From Bible 211, 213, 234.....	2	2			
				16	16			
				15	16			
				17	17			

**ELEMENTARY EDUCATION - Grades K-6 (B.A.):** The following is the suggested program for elementary education majors certifying Grades K-6:

First Year		Second Year		Third Year		Second Year			
F.	Sp.	F.	Sp.	F.	Sp.	F.	Sp.		
Same as first year of Elementary Education—Grades 1-6				Geog. 212, Eng. 350.....	3	3	H. Ed. 203, Educ. 401.....	3	2
		Educ. 203, 204.....	3	2	Pol. Sci. 205, Educ. 402.....	3	2		
		Eng. 201, 202.....	3	3	Educ. 412, 403.....	3	2		
		Music 116, Art 211.....	3	3	Educ. *381, 413.....	3	3		
		P.E. activity.....	2	1	Soc. 203, Educ. 320.....	3	2		
		Phy. Sci. 102, 101.....	2	2	Bible, Educ. 441.....	2	6		
			17	17			17	17	

\* A student who does directed teaching in grades 1-3 will take 381 for 3 hours; a student who does directed teaching in grades 4-6 will need to take Educ. 383 for 6 hours.

**SECONDARY EDUCATION (B.A.):** Students planning to teach at the secondary level are strongly urged to major in a subject-matter field and to take the professional education requirements for certification; however, the following program is arranged for those who may choose to major in secondary education.

First Year		Second Year		Third Year		Fourth Year	
F.	Sp.	F.	Sp.	F.	Sp.	F.	Sp.
Art 101, Music 101.....	2	2	Educ. 203, 204; Pol. Sci. 205.....	4	3	The directed teaching block consists of the following courses: Education 320, 417, one course from 419-430**, 451 or 461. This block may be taken either in the fall or the spring semester. During the other semester the student must complete 2 hours in Bible and 15 hours in elective courses.	
From English 102-103-104.....	3	3	Eng. 201, 202.....	3	3		
History 101, 111.....	3	3	Health Educ. 203.....	3	3		
Math. 101, Biol. 111.....	3	3	Phy. Sci. 102, 101.....	2	2		
P.E. 101.....	2	2	Soc. 203.....	3	3		
Com O 101.....	2	3	Electives: Teaching fields.....	3	3		
Bible 112, 101.....	2	2	From Bible 211, 213 or 234.....	2	2		
				17	16		
				15	16		
				33	33		

\*The above program is for education majors only. Those majoring in subject matter fields, except home economics, need only 24 hours including Educ. 203, 205, 307, 320, 336, 417, one course from 419-430 and 451 or 461. For home economics see the vocational home economics schedule.

\*\*Several of these courses are offered only in the spring semester and students doing supervised teaching during the fall semester may need to schedule the appropriate methods course in the spring semester of the junior year.

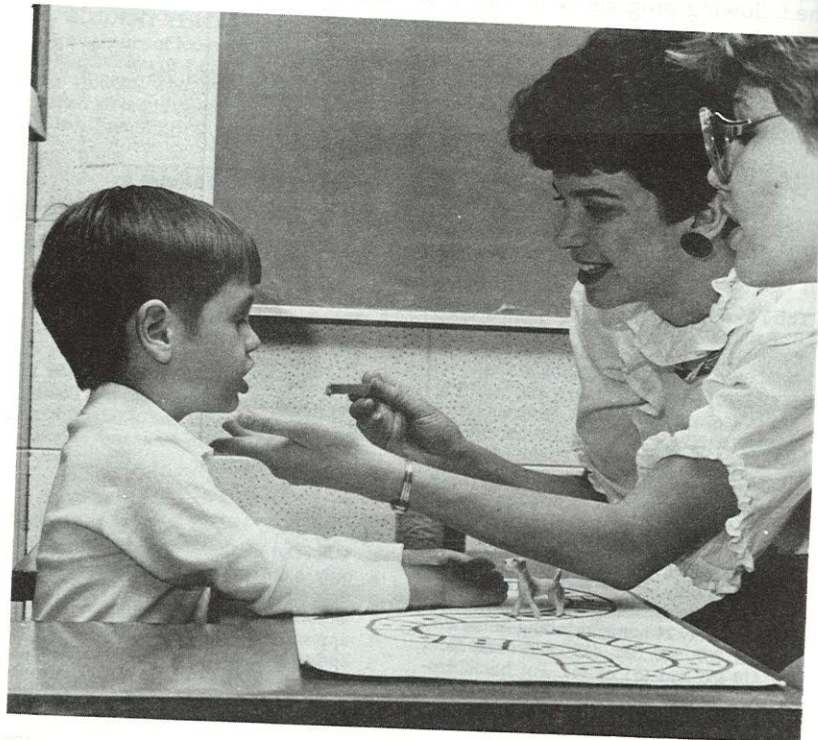
**SPECIAL EDUCATION - MILDLY HANDICAPPED (B.A.):** The following is the suggested program for students majoring in special education

First Year	F.	Sp.
From Eng. 102-103-04.....	3	3
Hist. 101, 111.....	3	3
Math. 115, Biol. 111.....	3	3
Music 101, Art 101.....	2	2
P.E. 101, Art 101.....	2	3
Bible 112, 101.....	2	2
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	15	16

Second Year	F.	Sp.
Educ. 203.....		
Eng. 201, 202.....	3	3
Math. 225, Educ. 204.....	3	2
Health Ed. 203, Soc. 203.....	3	3
P.E. activity.....		1
Phy. Sci. 101, 102.....	2	2
From Bible 211, 213, 234.....	2	2
Com D 250.....	3	
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	16	16

Third Year	F.	Sp.
Educ. 303, 307.....	3	3
Educ. 336, 320.....	3	2
Educ. 412, 414.....	3	3
Pol. Sci. 205, Educ. 400.....	3	3
Bible.....	2	2
P.E. 415; Educ. 315.....	3	3
	<hr/>	<hr/>
	17	16

Fourth Year	F.	Sp.
Educ. 407, 409.....	3	3
Educ. 408, 401.....	3	2
Eng. 350, Educ. 403.....	3	2
Educ. 413.....		3
Art 211 or Music 116 or P.E. 330 or Com O 315.....	6	
Bible, Educ. 475.....	2	6
	<hr/>	<hr/>
	17	16



## SCHOOL OF NURSING

DEAN: Cathleen M. Smith Shultz, Ph.D., R.N.

### ASSOCIATE PROFESSORS:

- Louise Truex Bradford, R.N., M.S.N.
- Nancy S. Clark, Ph.D., R.N.P.  
Acting Dean
- Elissa Lane Miller, R.N., M.N.Sc.
- Nancy Leslie O'Brien, R.N., M.S.
- Cathleen M. Smith Shultz, Ph.D., R.N.

### ASSISTANT PROFESSORS:

- April Brasher, R.N., M.S.N.
- Cheryl Clark, R.N., M.S.N.
- Helen Lambert, R.N., M.S.
- Kathy Marcussen, R.N., M.S.N.
- Jerry R. Myhan, R.N., M.S.N.
- Carol Nicholson, R.N., M.S.

### ASSOCIATE INSTRUCTORS:

- Nancy H. Fretland, R.N., B.S.N.
- Tina Godwin, R.N., B.S.N.

### ADJUNCT PROFESSORS:

- Jim C. Citty, M.D., F.A.A.F.P.
- Dan Davidson, M.D., F.A.A.F.P.
- Sam L. Shultz, M.D., F.A.A.P.
- David Staggs, M.D., F.A.A.F.P.
- William D. White, M.D., F.A.C.G.

The School of Nursing believes that man is a unique being who possesses individual worth and dignity because he is created in the image of God. The School also believes that man's basic nature is comprised of physical, psychological, social, and spiritual dimensions. Therefore, the nursing faculty desires to provide an education that stimulates a philosophy of nursing consistent with the teachings of Christ by preparing practitioners who can facilitate physical, psychological, social, and spiritual functional adaptation.

The curriculum covers a space of four years achieving a Bachelor of Science in Nursing degree. Graduates with the nursing major are eligible to write the National Council Licensure Examination for Registered Nurse (NCLEX-RN) in any state. Graduates are prepared for generalist positions in professional nursing practice and for beginning graduate study in nursing.

Students in the nursing major use the facilities of Harding University and work with clients in a variety of public and private agencies which serve as clinical facilities.

A minimum cumulative average of 2.00, a minimum grade point average of 2.50 in the prenursing curriculum, successful completion of a basic mathematics test, and junior standing in the University are required before entering the nursing major. The 2.50 grade point average must be

maintained for the degree to be conferred. Priority for admission will be given those who have a high Nursing GPA average. All prerequisite courses must be completed successfully with a minimum grade of "C" in each before a student may enter the nursing program. The prerequisite courses include: Biol. 271, 275, 276; Chem. 114 115. Eng. 103; Home Ec. 331; Math. 105 or a more advanced course in mathematics; Nursing 201 202, 203; Psy. 201, 240; and Soc. 203. The student must have a cumulative GPA of 2.50 or higher in all prenursing courses taken prior to admission to the School of Nursing. See the prenursing curriculum outline.

Required general education courses to be completed before graduation include: Art 101 or Music 101; two courses from Eng. 201, 202, 251, 252, 271, 272; Hist. 101, 111; 4 hours in physical education activity, including P.E. 101; one course from Anthro. 250, 315, 320, 381, 401 or Soc. 305, 345, 401, 405; and Com O 101.

Progression of a student in the program is contingent upon his achieving a grade of "C" or higher in each nursing course with the maintenance of an overall cumulative average of 2.50. For students pursuing a major in nursing, **Level I standing** refers to students enrolled in the junior year of the major and **Level II standing** refers to students enrolled in the senior year of the major.

Harding is in compliance with Act 88 of the 1979 Arkansas General Assembly relative to providing validation and challenge examinations in the nursing program. Any questions regarding validation and challenge examinations should be directed to the Dean of the School of Nursing.

### ADMISSION

**ADMISSION PROCEDURE:** Interested students should contact the Admissions Office of Harding University. Admission to the University is essential before consideration can be given to admission to the nursing major. Students at the sophomore level who have met all requirements for admission (or will meet these requirements by the following August), **must file an application form with the School of Nursing by March 1 of the year they wish to enter.** Application forms may be obtained by contacting the Dean of the School of Nursing. No action will be taken on an application until the student has been admitted to the University and **all prerequisites have been met.** Official admission to the nursing major can be granted only after successful completion of Nursing 201, 202, and 203.

In addition, the applicant must present medical certification indicating good health, current immunization, satisfactory blood work and the results of a tuberculosis skin test or chest x-ray and other laboratory results as indicated on the School of Nursing health form, certification in Cardiopulmonary Resuscitation (CPR) and results of a personality evaluation (16-PF Test) within three months prior to admission to upper-level courses. The student is **strongly encouraged** to have health insurance coverage while a student at Harding University.

Students transferring into the nursing major generally require four additional semesters to complete degree requirements. Placement in the nursing major is dependent upon successful completion of all prerequisite courses and the level of academic achievement. Any student considering a transfer from another baccalaureate program in nursing should consult with the Dean of the School of Nursing. These applicants will be appraised individually for placement in the major. Transfer students must complete all the general education courses required for the Bachelor of Science in Nursing degree, including a minimum of 8 hours of textual Bible courses.

**Registered nurses** who have graduated from a National League for Nursing accredited program and who are eligible for licensure in Arkansas may apply for admission to the nursing major after meeting University entrance requirements. The curriculum is flexible to consider the previous learning experiences of registered nurses, and each applicant will be evaluated individually for placement in the major.

**Admission is competitive and all applicants must meet requirements and deadlines to be considered for admission.**

**High school students** are strongly urged to take 2 units of algebra, 2 units of biology, at least 1 unit of chemistry, and 4 units of English. High school graduates who have fewer than 2 units of high school algebra and/or who have an ACT mathematics score less than 26 should take Mathematics 105 or equivalent **in the summer preceding the fall semester they plan to enter Harding as freshmen.** This is necessary to qualify students for enrolling in Chem. 114-115, prerequisites to Biol. 271, 275, 276.



## EXPENSES

1985-1986 Harding University Catalog program, practical nursing program, or continuing education

ADDITIONAL EXPENSES FOR NURSING MAJORS: Students should expect additional expenses from the time they reach Nursing 201 until the end of the program. These are as follows:

Year	Item	Amount*
Sophomore	Practicum course fee	\$52.00
	Laboratory course fee	36.00
	Lab coat	25.00
Junior	Uniforms and caps	75.00-125.00
	Name pin	3.50
	Emblem	3.00
	Bandage scissors	3.50-5.00
	Watch with second hand (may be inexpensive)	variable
	Stethoscope	25.00-35.00
	Laboratory fees	36.00 each
Practicum course fees	52.00 each	
Senior	Exit Examinations	26.00
	School pin	90.00
	Senior graduating expenses (white uniform, pictures, etc., in addition to University expenses)	80.00
	Laboratory fees	36.00 each
	Practicum course fees	52.00 each
	National Licensure Examination Review	152.00

\* Costs listed are approximate and subject to change. Each student must carry liability insurance which costs approximately \$21.60 per year (included in the Practicum course fee). Students are responsible for their own transportation to all health facilities where learning experiences are provided. Each student must have access to a car during the entire nursing program for individual clinical experiences.

## HONOR SOCIETY

THE EPSILON OMICRON CHAPTER OF SIGMA THETA TAU, national college honor society in nursing, was chartered at Harding University on February 9, 1982. Application for this chapter was made by the local Honor Society of Nursing that was installed in the fall of 1976. Membership in Sigma Theta Tau is by invitation based on outstanding qualities of character, leadership, ability in nursing, and scholastic achievement.

## MAJOR REQUIREMENTS

MAJOR: 61 hours in nursing, including 201, 202, 203, 301, 303, 304, 305, 311, 313, 314, 323, 324, 334, 401, 404, 405, 411, 412, 414, 415, 421, 424, 434, and 444. Nursing electives available are: 402, 403, 406, 413, and 451. A minimum of 10 students must enroll before a nursing elective can be offered. A minor is not required. See outline of major.

## CHALLENGE EXAMINATIONS

In compliance with Act 88 passed in 1979 by the General Assembly of the State of Arkansas, Harding University permits students in the School of Nursing to challenge 60 semester hours of credit if they are R.N. nurses and 30 semester hours if they are L.P.N. or L.T.P.N. nurses. If the course has been taken formally in a non-collegiate setting (for example, hospital

program awarding a certificate such as a nurse practitioner program), the student is eligible to take a validation examination. A student may also be approved on a credit-by-examination procedure to challenge a course which he has not formally studied previously. All nursing courses except 201, 304, 314, 324, 334, 404, 41, 424, 434, 444, and 451 can be challenged. Students may receive information on challenge examinations and an application form by writing the Dean of Nursing. Students will be given 10 days from opening of registration at the beginning of the semester in which the course is offered to complete the challenge examination. See the Academic Information section of this Catalog for the University policy on validation examinations and credit by examination.

### 201. INTRODUCTION TO NURSING. (2) Fall, Summer.

An introductory course to acquaint the students with nursing theories, roles and functions. Nursing trends are studied based on historical perspective. Basic concepts of health care are explored in relation to the individual and health care delivery in the United States. The School of Nursing's conceptual framework is presented and analyzed. The course is open to all students and is required of students prior to admission into the nursing program. A grade of "C" or higher is a prerequisite for admission. Two hours lecture per week. Prerequisite: Sophomore level or higher with a 2.00 GPA or higher.

### 202. NURSING PROCESS I. (3) Fall, Summer.

A course designed to develop the student's ability to use the nursing process for nursing care of all clients. Using the developmental approach, systematic assessment of adults and children is practiced in the college laboratory. Laboratory sessions provide practice and performance evaluation of nursing skills used to assist functional and dysfunctional clients to attain adaptation. Two hours lecture and three hours of arranged and autotutorial laboratory per week. Prerequisite: Sophomore level or higher; Biology 275 before or concurrent with this course. Fee: \$36.

### 203. INTRODUCTION TO ROLES AND FUNCTIONS. (2) Spring, Summer.

An introductory course that explores basic skills in nursing. The University laboratory provides demonstration and practice experience. Application of skills and nursing process is provided by laboratories arranged in the hospital setting. Six hours laboratory per week. Prerequisite: Sophomore level or higher and 201, 202 with a 2.00 GPA or higher. Fee \$52.

### 301. NURSING THEORY I. (5) Fall.

The nursing care of individuals experiencing functional and dysfunctional adaptation is discussed in the physical, psychological, social and spiritual dimensions of man. Anxiety, safety, comfort, immobility, hydration, and their related theories are studied for clients representing all age groups. The course is conducted through a variety of teaching strategies. Five hours lecture-discussion per week. Prerequisite: Level I Standing. Taken concurrently with 303 and 305 and Level I Practicum courses (304, 314, 324, 334).

### 303. NURSING INTERACTION I. (2) Fall.

A course planned to provide students with experience in the process of basic communication. The concepts of communication, self-image, interviewing, and assertion will be explored. Experiences in the classroom are planned to promote self-awareness with beginning recognition and management of one's own attitudes, values, beliefs, and behaviors as these affect others. Two hours lecture-discussion per week. Prerequisite: Level I Standing.

### 304. NURSING PRACTICUM I. (2) Fall, Spring, Summer (if sufficient demand).

A clinical course which focuses on functional and dysfunctional adaptation of hospitalized adult clients with medical diagnoses. Concepts of Level I courses are integrated from a theoretical presentation to nursing practice in the direct care of individuals. The course is 13 1/2 hours per week for seven weeks; a one hour weekly conference is to be arranged. Offered twice per semester. Enrollment is limited. Prerequisite: Level I Standing. May be taken concurrently with 301, 303, 305 or with 311, 313, 323. Fee: \$52.

### 305. NURSING ROLES AND FUNCTIONS I. (2) Fall.

A nursing laboratory course providing practice and performance evaluation of nursing skills used to assist functional and dysfunctional clients to attain adaptation. Six hours autotutorial laboratory arranged per week. Prerequisite: Level I Standing. Fee: \$36.

**311. NURSING THEORY II.** (5) Spring.

Nursing care of individuals experiencing functional and dysfunctional adaptation is discussed. This course builds on 301, Nursing Theory I. Concepts of loss, transport, reality and aging are explored for clients of all ages. Five hours of lecture-discussion per week. Prerequisites: Level I Standing and 301. Taken concurrently with 313 and 323, and Level I Practicum Courses (304, 314, 324, 334).

**313. NURSING INTERACTION II.** (2) Spring.

A course designed to acquaint the student with the process of helping and counseling individuals and groups. Two hours lecture-discussion per week. Prerequisites: Level I Standing and 303.

**314. NURSING PRACTICUM II.** (2) Fall, Spring, Summer (if sufficient demand).

A clinical course which focuses on functional and dysfunctional adaptation of hospitalized adult clients requiring surgical intervention. Concepts of Level I courses are integrated from a theoretical presentation to nursing practice in the direct care of individuals. Nursing experiences will include post-hospital follow-up care of surgical clients where applicable. The course is 13 1/2 hours per week for seven weeks; a one hour weekly conference is to be arranged. Offered twice per semester. Enrollment is limited. Prerequisite: Level I Standing. May be taken concurrently with 301, 303, 305 or with 311, 313, 323. Fee: \$52.

**323. NURSING INTERVENTIONS AND PHARMACODYNAMICS.** (2) Spring, Summer (if sufficient demand).

A course which explores the relationship of nursing interventions to pharmacological treatment of clients of all ages. Two hours of lecture-discussion per week. Prerequisite: Level I Standing; pre-nursing students may take this class with prior approval of the Dean.

**324. NURSING PRACTICUM III.** (2) Fall, Spring, Summer (if sufficient demand).

A clinical course which focuses on clients experiencing dysfunctions primarily in the psychological and social dimensions. Concepts of Level I courses are integrated from a theoretical presentation to nursing practice in the direct care of individuals. Clinical experience may be provided in a variety of settings. The course is 13 1/2 hours per week for seven weeks; a one hour weekly conference is to be arranged. Offered twice per semester. Enrollment is limited. Prerequisite: Level I Standing. May be taken concurrently with 301, 303, 305 or with 311, 313, 323. Fee: \$52.

**334. NURSING PRACTICUM IV.** (2) Fall, Spring, Summer (if sufficient demand).

A clinical course which focuses on clients of all ages in a variety of settings. Use of the nursing process and health assessment skills to assist clients toward functional adaptation is emphasized. Concepts of Level I courses are integrated from a theoretical presentation to nursing practice in the direct care of individuals. The course is 13 1/2 hours per week for seven weeks; a one hour weekly conference is to be arranged. Offered twice per semester. Enrollment is limited. Prerequisite: Level I Standing. May be taken concurrently with 301, 303, 305 or with 311, 313 and 323. Fee: \$52.

**401. NURSING THEORY III.** (4) Fall.

A continuation of the study of the four dimensions of man with focus on the nursing care of functional and dysfunctional individuals and families. Family theories, cultural concepts, and related theories of life style, reproduction, and crisis are presented by various teaching strategies. Four hours lecture-discussion per week. Prerequisite: Level II Standing. Taken concurrently with 405 and/or 412 and Level II Practicum Courses (404, 414, 424, 434). Test Fee: \$26.

**402. METHODS OF CHILDBIRTH EDUCATION.** (2) Spring.

An elective course presenting study of prenatal education as a function of the professional nurse. Techniques described by Lamaze, and others who have developed childbirth methods are studied. Two hours lecture-discussion per week. Prerequisite: Level I or II Standing. Offered on sufficient demand.

**403. NURSING MINISTRY.** (2) Spring.

An elective course designed to study the spiritual dimension of the client. Emphasis will be placed on the special role of the nurse in meeting spiritual needs of clients in various health related settings. Two hours lecture-discussion per week. Prerequisite: Level I or II Standing. Offered on sufficient demand.

**404. NURSING PRACTICUM V.** (2) Fall, Spring, Summer (if sufficient demand).

A clinical course which focuses on functional and dysfunctional adaptation of families, groups and communities in a variety of settings. Using primary care skills, students provide direct, semi-direct and indirect nursing care to clients in a variety of age groups. Concepts of Level I and Level II courses are integrated from a theoretical presentation to nursing practice.

The course is 13 1/2 hours per week for seven weeks; a one hour weekly conference is to be arranged. Offered twice per semester. Enrollment is limited. Prerequisite: Level II Standing. May be taken concurrently with 401, 405, 411 or with 412, 415 and 421. Fee: \$52.

**405. NURSING ROLES AND FUNCTIONS II.** (4) Fall.

The rural primary health care system and the role of the baccalaureate nurse as a practitioner providing health care to clients within that system are explored. Decision-making, collaboration, epidemiology and the use of resources are also explored. Four hours lecture-discussion per week. Prerequisite: Level II Standing. Fee: \$36.

**406. ALTERNATE HEALING PHILOSOPHIES.** (2) Spring.

An elective course exploring the relationships of alternate healing philosophies such as chiropractic, hypnosis, nutrition, biofeedback, relaxation, folk medicine, acupuncture, faith healing and self-help behaviors to the nurse-client system. Emphasis will be placed on the interrelationship of these philosophies to the formal United States health care delivery system. Two hours lecture-discussion per week. Prerequisite: Level I or II Standing. Offered on sufficient demand.

**411. NURSING THEORY IV.** (3) Spring.

Broad concepts such as health care planning, negotiation, resources, missions and leadership augment previous theoretical concepts related to individuals and families experiencing functional and dysfunctional adaptation. The principle that the community is an integrated whole with interacting systems is explored along with the application of this principle to nursing care planning. Four hours lecture-discussion per week. Prerequisites: Level II Standing and 401. Taken concurrently with 415, 421 and Level II Practicum Courses (404, 414, 424, 434). Senior Fee: \$21.

**412. RESEARCH IN NURSING.** (3) Fall, Summer (if sufficient demand).

Basic research concepts with application to professional nursing are introduced. Nursing research will be explored and related to current nursing practice. Three hours lecture-discussion per week. Prerequisite: Level I Standing.

**413. HEALTH CARE MISSIONS IN DEVELOPING COUNTRIES.** (2) Spring.

An elective course designed to acquaint students with the delivery of quality health care in developing countries. Classroom discussions include combining health care and evangelistic mission efforts to adapt modern health care modalities to existing resources. Two hours lecture-discussion per week. Prerequisite: Level I or II Standing or consent of instructor. Offered on sufficient demand.

**414. NURSING PRACTICUM VI.** (2) Fall, Spring, Summer (if sufficient demand).

A clinical course which focuses on families experiencing dysfunctions in structure or reproductive status. Clinical experiences will be in a variety of settings for students to provide direct, semi-direct and indirect nursing care. Concepts of Level I and Level II courses are integrated from a theoretical presentation to nursing practice. The course is 13 1/2 hours per week for seven weeks; a one hour weekly conference is to be arranged. Offered twice per semester. Enrollment is limited. Prerequisite: Level II Standing. May be taken concurrently with 401, 405, 411 or with 412, 415, 421. Fee: \$52.

**415. NURSING ROLES AND FUNCTIONS III.** (2) Spring.

The emerging role of the professional nurse is analyzed and examined. Sociopolitical forces, quality assurance, credentialing, continuing education, expanded functions, reality shock, professional organizations and entry into practice are explored as they affect nursing practice. Two hours lecture-discussion per week. Prerequisite: Level II Standing. Fee: \$36.

**421. NURSING THEORY V.** (3) Spring.

This course explores advanced nursing theory related to individuals and families as a system adapting to stress to achieve a functional state. The concepts of transport and mobility and their related theories are studied in depth for clients representing all age groups. Nutrition and pharmacology are integrated as conditions of dysfunction are studied. Three hours lecture-discussion per week. Prerequisites: Level II Standing and 401. Must be taken concurrently with 411 and 415. National Licensure Examination Review fee: \$152.

**424. NURSING PRACTICUM VII.** (2) Fall, Spring, Summer (if sufficient demand).

A clinical course which focuses on the direct, semi-direct and indirect care of hospitalized young clients and their families experiencing functional and dysfunctional adaptation. Concepts of Level I and Level II courses are integrated from a theoretical presentation to nursing practice. The course is 13 1/2 hours per week for seven weeks; a one hour weekly conference is to be arranged. Offered twice per semester. Enrollment is limited. Prerequisite: Level II Standing. May be taken concurrently with 401, 405, 412 or with 411, 415, 421. Fee: \$52.

**434. NURSING PRACTICUM VIII.** (2) Fall, Spring, Summer (if sufficient demand).

A clinical course which focuses on the direct, semi-direct and indirect care of hospitalized clients experiencing functional and dysfunctional adaptation. Leadership and management principles will be applied via faculty and preceptor supervision. Concepts of Level I and Level II

courses are integrated from a theoretical presentation to nursing hours per week for seven weeks; a one hour weekly conference is to be arranged. Offered with 401, 405, 411 or with 412, 415 and 421. Fee: \$52.

**444. NURSING PRACTICUM IX.** (1) Fall, Spring, Summer (if sufficient demand). A clinical course which focuses on the direct care of acute hospitalized clients experiencing dysfunctional adaptation. Students provide nursing care for clients of all ages to tertiary settings a faculty and preceptor supervision. Concepts of Level I and Level II courses are integrated from a theoretical presentation to nursing practice. The course is 60 clinical hours and seminars to be arranged each semester. Enrollment is limited. Prerequisite: Level II Standing. May be taken concurrently with 401, 405, 411 or with 412, 415 and 421. Fee: \$52.

**451. INDEPENDENT STUDY.** (1-4) Offered on demand. Under the guidance and with the approval of a selected nursing faculty member, the student develops behavioral objectives appropriate to the topic being studied and a plan of action to achieve the objectives. The independent study may be experiential or a directed reading, study or research. Offered each semester upon approval of the Dean of the School of Nursing. May be repeated. Prerequisite: Level II Standing.

**PROGRAMS FOR THE SCHOOL OF NURSING**

**PRENURSING** (Joseph E. Pryor, Ph.D.; Bryce Roberson, Ph.D.; Jack Wood Sears, Ph.D.; Carroll Smith, Ph.D. - Advisors)

The following program is outlined for the student who is planning to make application to the School of Nursing during the sophomore year or later for admission to the nursing program leading to the Bachelor of Science in Nursing degree.

This program assumes that the students have adequate academic preparation from high school and are prepared to do better than average work on a normal load during the first two years of general education work on preprofessional courses. It is assumed that the students will include in their high school program two years of algebra, one year of chemistry, and four years of English. Students who do not have this preparation should plan to attend one or more summer sessions, or a third year of preprofesional study in order to meet the requirements for admission to the nursing program. Since the mean ACT composite summary score achieved by entering Harding freshmen is approximately 20, students can get some idea as to the adequacy of their preparation for college work by checking their composite ACT score.

Satisfactory completion of the curriculum outlined below does not automatically admit the students to the nursing program, but formal application for admission to the program must be made to the School of Nursing by March 1, prior to the fall semester that they seek admission, and an evaluation of the applicant must be submitted by the Prenursing Advisory Committee. These factors make it most important that prospective nursing majors go to the prenursing advisors for planning their preprofessional programs of classes. The following program is outlined for the benefit of students.

Students must have a cumulative average of 2.50 or higher in all prenursing courses taken prior to admission to the School of Nursing.

First Year	F.	Sp.	Second Year	F.	Sp.
*Chem. 114, 115.....	4	4	*Biol. 271.....	4	
*Eng. 103#, *Psy. 201.....	3	3	*Biol. 275, 276.....	4	4
Eng. 201, 202, 251, 252, 271, or 272.....		3	*Home Ec. 331.....	3	
Hist. 101, 111.....	3	3	*Nursing 201, 202, 203.....	5	2
*Math. 105## or 151.....	3		*Soc. 203.....		3
P.E. 101.....		2	*Psy. 240, Com O 101##.....		6
Art 101 or Music 101.....	2		From Bible 211, 213, or 234.....	2	2
Bible 112, 101.....	2	2			
	17	17		18	17

- \* These prerequisite courses must be completed with a minimum grade of "C" or higher prior to admission to the School of Nursing.
- # If a student achieved 17 or less on the ACT English Test, Eng. 102 must be taken prior to taking English 103.
- ## If a student has taken less than two years of algebra in high school, the student must take Math. 105 prior to enrolling in Chem. 114 and should enroll in Math. 105 during the summer session preceding the fall semester of the first year. Otherwise, the student will be required to postpone Chem. 114-115 until the following summer. Entering freshmen must have achieved a minimum score of 14 on both the English and mathematics part of the ACT to take Chem. 114-115 during the freshman year.
- ### Student is urged to take this course during intersession or summer school to reduce load this semester.





First Session of Summer School: \*Nursing 201,202  
 Second Session of Summer School: \*Nursing 203

Other required courses will be available in summer school, but 14 hours, 7 hours each session, is the absolute maximum that can be earned. No more than Biol. 276 or Home Ec. 331 or Psy. 240 or the equivalent and Nursing 201, 202, 203 can be left for the summer session immediately preceding the fall semester the student expects to enter the nursing program.

**NURSING (B.S.N.):** The following program is outlined for the third and fourth years of students seeking the Bachelor of Science in Nursing degree. Formal admission to the nursing program is required before a student can enroll in the third-year courses. A minimum cumulative grade point average of 2.00 on at least 64 hours, a minimum grade point average of 2.50 in the **required prenursing curriculum** (courses listed in the prenursing curriculum), and successful completion of a basic mathematics tests are required for admission. All prerequisite courses must be completed with a minimum grade of "C" [asterisked (\*) courses above]. Progression of a student in the nursing major is contingent upon achieving a grade of "C" or higher in each nursing course with the maintenance of an overall cumulative average of 2.50. See the prenursing curriculum for detailed listing of the requirements for admission.

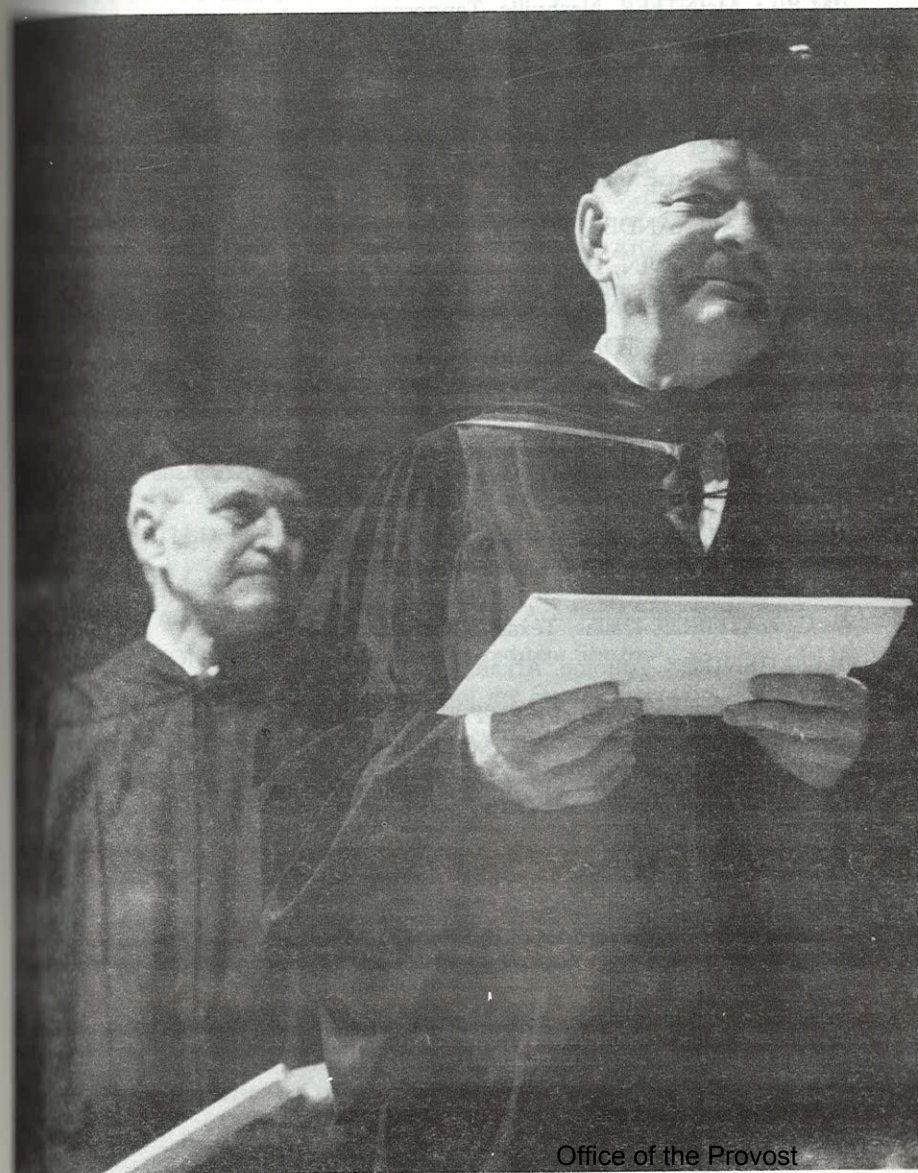
Third Year		Fourth Year			
	F.	Sp.	F.	Sp.	
Nursing 301, 311.....	5	5	Nursing 401, 411 .....	4	3
Nursing 303, 313.....	2	2	Nursing 404, 424 .....	2	2
Nursing 403, 324.....	2	2	Nursing 405, 415 .....	4	2
Nursing 305 .....	2		Nursing 412, 421 .....	3	3
Nursing 314, 334.....	2	2	Nursing 414, 434 .....	2	2
Nursing 323 .....	2	2	Nursing 444 .....		1
**Soc. Sci. elective.....		3	P.E. activity.....	1	
P.E. activity .....	1		*English elective .....		3
Bible.....	2	2	Bible .....	2	2
	<hr/>	<hr/>		<hr/>	<hr/>
	16	18		18	18

\* Course may be elected for Eng. 201, 202, 251, 252, 271, or 272 that was not elected in freshman year. It is strongly recommended that this course be taken during a summer session.

\*\* Course may be elected from Anthro. 250, 320, 381, 401 or Soc. 305, 345, 401, 405. It is strongly recommended that this course be taken during a summer session.

## DIRECTORY OF PERSONNEL APPENDIX INDEX

University Calendar, 1985-86 (inside front cover) . . . Tentative University Calendar, 1986-87 (inside back cover) . . . Board of Trustees . . . Officers of Administration . . . Faculty for 1984-85 . . . Committees and Administrative Staff for 1984-85 . . . Endowment and Scholarship Funds . . . Index



Office of the Provost

JAMES H. CONE, Little Rock, Arkansas  
Chairman

HAROLD N. COGBURN, M.D., Forrest City, Arkansas  
Vice Chairman

JIM BILL McINTEER, Nashville, Tennessee  
Secretary

JAMES RUSSELL BURCHAM, D.D.S., Kennett, Missouri  
Treasurer

FLANOY ALEXANDER, Delight, Arkansas

JOHN D. BALDWIN, Holyoke, Colorado

GEORGE S. BENSON, LL.D., Searcy, Arkansas

DAVID PAUL BURTON, Newport, Arkansas

PAUL CARTER, Bentonville, Arkansas

HOUSTON T. EZELL, Nashville, Tennessee

CLIFTON L. GANUS, JR., Ph.D., Ex-Officio, Searcy, Arkansas

\*RICHARD H. GIBSON, Longview, Texas

LOUIS E. GREEN, Newark, Delaware

DALLAS H. HARRIS, Boise, Idaho

W. C. HATFIELD, Dallas, Texas

OLEN HENDRIX, Antoine, Arkansas

DAN E. RUSSELL, M.D., Shreveport, Louisiana

\*ROY H. SAWYER, JR., Sardis, Mississippi

DONALD LEWIS SHORES, Cave Springs, Arkansas

\* Has served as Chairman of the Board of Trustees

CLIFTON L. GANUS, JR., Ph.D., President of the University

TED M. ALTMAN, Ed.D., Vice President for Student Affairs and Foreign  
Student Advisor

C. FLOYD DANIEL, B.S., Vice President for University Relations

NEALE T. PRYOR, Th.D., Vice President for Academic Affairs

LOTT R. TUCKER, JR., B.A., Vice President for Finance

DAVID B. BURKS, Ph.D., CPA, Dean of the School of Business and  
Director of the American Studies Program

BOBBY L. COKER, Ed.D., Dean of the School of Education

HAROLD HAZELIP, Ph.D., Dean of the Graduate School of Religion,  
Memphis, Tennessee

DEAN B. PRIEST, Ph.D., Dean of the College of Arts and Sciences

CATHLEEN M. SHULTZ, R.N., Ph.D., Dean of the School of Nursing

VIRGIL M. BECKETT, B.A., Registrar

WINNIE E. BELL, M.A.L.S., Librarian

EDDIE R. CAMPBELL, M.A.T., Associate Dean of Students

JAMES F. CARR, Jr., Ed.D., Assistant to the President

MARIBETH DOWNING, Ph.D., Associate Dean of Students

STANLEY GREEN, B.S.E., Director of Public Relations

A. EDWARD HIGGINBOTHAM, Ed.D., Academy Superintendent

WYATT JONES, Ed.D., Director of Graduate Studies

LARRY R. LONG, Ph.D., Director of the Summer Session

DURWARD McGAHA, M.S.E., Director of Admissions

LEWIS G. MOORE, Ph.D., Director of Counseling

HARRY D. OLREE, Ed.D., Director of Research and Athletic Director

FACULTY - 1984-85

\*THOMAS C. ALEXANDER, M.Th. (Harding Graduate School of Reli-  
gion)

Assistant Professor of Bible. 1978, \*\* 1980.

JAMES R. ALLEN, M.R.E., Hh.D. (Harding Graduate School of Religion,  
Oklahoma Christian College) Professor of Bible. 1959, 1981.

- TED M. ALTMAN, Ed.D. (North Texas State University)  
Vice President for Student Affairs, Foreign Student Advisor, and  
Professor of Physical Education. 1963, 1984.
- STEPHEN A. BABER, Ph.D. (Texas A&M University)  
Associate Professor of Computer Science and Mathematics. 1983.
- GEORGE EDWARD BAGGETT, D.M.E. (University of Oklahoma)  
Professor of Music. 1949, 1979.
- KARYL V. BAILEY, Ph.D. (Texas A&M University)  
Professor of Physical Education. 1967, 1981.
- TIMOTHY B. BAIRD, M.S. (University of Missouri at Rolla)  
Assistant Professor of Computer Science and Mathematics and Director  
of Software Support. 1981, 1983.
- BARBARA G. BARNES, M.A.T. (Harding College)  
Associate Professor of Physical Education and Director of Women's  
Intramurals. 1966, 1979.
- JEROME M. BARNES, Ed.D. (North Texas State University)  
Professor of Education and Director of Educational Media Center. 1962,  
1976.
- CRAIG W. BEARD, M.L.S. (Florida State University)  
Instructor in Library Science and Reference Librarian. 1982.
- CECIL M. BECK, M.A. (North Texas State University)  
Professor of Physical Education and Director of Men's Intramurals.  
1953, 1981.
- H. WADE BEDWELL, Ph.D. (Southern Illinois University at Carbondale)  
Associate Professor of Education. 1980.
- JAMES BEHEL, M.B.A. (University of Alabama at Montgomery)  
Assistant Professor of Computer Information Systems. 1981.
- MILDRED L. BELL, Ph.D. (University of Minnesota)  
Professor of Home Economics. 1952, 1959.
- WINNIE E. BELL, M.A.L.S. (George Peabody College)  
Associate Professor of Library Science and Librarian. 1959, 1976.
- MICHAEL BERUBE, R.N., M.N. (University of Florida)  
Adjunct Assistant Professor of Nursing. 1984.
- JOHN G. BOUSTEAD, M.Ed. (Wayne State University)  
Assistant Professor of Physical Education. 1978.
- NICKY BOYD, M.S.E. (University of Arkansas)  
Assistant Professor of Physical Education. 1984.
- LOUISE TRUEX BRADFORD, R.N., M.S.N. (Wayne State University)  
Associate Professor of Nursing. 1975, 1980.
- APRIL BRASHER, M.S.N. (Vanderbilt University)  
Assistant Professor of Nursing. 1984.
- RODGER LEE BREWER, M.S. (East Texas State University)  
Assistant Professor of English. 1973, 1980.
- HARMON C. BROWN, Ph.D. (University of Missouri at Rolla)  
Professor of Mathematics. 1974, 1984.
- LOIS L. BROWN, M.A. (San Diego State College)  
Associate Professor of Special Education. 1973, 1980.
- JESS G. BUCY, M.S.E. (Arkansas State University)  
Associate Professor of Physical Education. 1969, 1976.
- DAVID B. BURKS, Ph.D., CPA (Florida State University)  
Professor of Management and Accounting, Dean of the School of  
Business, and Director, American Studies Program. 1967, 1982.
- LOUIS F. BUTTERFIELD, Ed.S. (Indiana University)  
Assistant Professor of Speech. 1971, 1982.
- KATHRYN R. CAMPBELL, M.A.T. (Harding College)  
Associate Professor of Health Education. 1970, 1973.
- JAMES F. CARR, JR., Ed.D. (Indiana University)  
Assistant to the President, and Professor of Education. 1970, 1973.
- LAVON CARTER, M.B.A. (University of Georgia)  
Assistant Professor of Management. 1976, 1979.
- J. WARREN CASEY, M.M.E. (University of Oklahoma)  
Assistant Professor of Music. 1982.
- JIM C. CITY, M.D. (University of Tennessee School of Medicine)  
Adjunct Professor of Nursing. 1976.
- CHERYL CLARK, R.N., M.S.N. (California State University at Los  
Angeles)  
Assistant Professor of Nursing. 1981.
- NANCY S. CLARK, R.N.P., Ph.D., (Vanderbilt University)  
Associate Professor of Nursing and Acting Dean of the School of  
Nursing. 1977, 1984.
- EDDIE CLOER, M.Th. (Harding Graduate School of Religion)  
Assistant Professor of Bible. 1976, 1979.
- EARL W. COBILL Ph.D. (University of Mississippi)  
Associate Professor of Political Science. 1973, 1983.
- BOBBY L. COKER, Ed.D. (University of Arkansas)  
Professor of Education, Director of Teacher Education, and Dean of the  
School of Education. 1968, 1979.
- AVA M. CONLEY, M.A. (Vanderbilt University)  
Associate Professor of Spanish. 1973, 1980.
- BRUCE COOK, M.Ed. (Harding University)  
Adjunct Instructor of Communication. 1984.

\* On leave of absence 1984-85.

\*\* First date indicates year of employment; second date, year appointed to present rank or position.

- BOB J. CORBIN, M.Ed. (University of Oklahoma)  
Professor of Physical Education and Research Associate. 1964, 1983.
- PATRICIA J. COX, M.Ed. (Harding University)  
Instructor in Music. 1981, 1983.
- TRAVIS ALLEN COX, M.M., M.L.S. (Southern Methodist University,  
George Peabody College)  
Assistant Professor of Violin and Cataloging Librarian. 1975.
- DIRK CREASON, M.S.S.W. (University of Arkansas)  
Assistant Professor of Social Work. 1983.
- SHAREN DEACON CROCKETT, M.S. (Ohio State University)  
Associate Professor of Home Economics and Director of the Nursery  
School. 1968, 1979.
- DAN DAVIDSON, M.D., F.A.A.F.P. (University of Arkansas)  
Adjunct Professor of Nursing. 1984.
- KENNETH L. DAVIS, JR., D.Mus. (Indiana University)  
Professor of Music and Chairman of the Department. 1953, 1983.
- DONALD P. DIFFINE, Ph.D. (University of Mississippi)  
Professor of Economics and Director, Belden Center for Private Enter-  
prise Education. 1971, 1982.
- FAYE M. DORAN, Ed.D. (Pennsylvania State University)  
Professor of Art. 1973, 1984.
- RONALD H. DORAN, M.S. (University of South Carolina)  
Associate Professor of Biological Science. 1968, 1980.
- MARIBETH DOWNING, Ph.D. (University of Nebraska)  
Associate Dean of Students and Assistant Professor of Sociology. 1974.
- ALVA GENE DUGGER, M.S. (University of Missouri at Rolla)  
Associate Professor of Computer Science and Mathematics and Director  
of Academic Computing. 1969, 1982.
- DEBORAH G. DUKE, B.S. (Harding College)  
Associate Instructor of Math. 1981.
- J. RICHARD DUKE Ph.D. (Florida State University)  
Assistant Professor of Education and Field Experience Director. 1978,  
1980.
- J. THOMAS EDDINS M.Th. (Harding Graduate School of Religion)  
Assistant Professor of Bible. 1975, 1978.
- DAVID T. ELLIOTT, M.A.T. (Harding College)  
Associate Professor of Physical Education. 1969, 1984.
- MORRIS RAY ELLIS, M.A. (Stephen F. Austin State University)  
Assistant Professor of Speech. 1971, 1976.
- MICHAEL H. EMERSON, B.A. (Harding College)  
Visiting Lecturer in Accounting. 1984.

- DONALD ENGLAND, Ph.D. (University of Mississippi)  
Distinguished Professor of Chemistry. 1960, 1971.
- LYNN ALEXANDER ENGLAND, M.A. (University of Mississippi)  
Assistant Professor of Home Economics. 1966, 1976.
- LEWIS "TONY" FINLEY, Ed.D. (University of Arkansas)  
Assistant Professor of Education. 1984.
- NANCY J. FRETLAND, R.N., B.S.N. (Harding College)  
Associate Instructor of Nursing. 1983.
- CLIFTON L. GANUS, JR., Ph.D. (Tulane University)  
President of the University and Professor of History. 1946, 1965.
- CLIFTON L. GANUS, III, D.M.A. (University of Colorado)  
Professor of Music. 1968, 1982.
- PATRICK H. GARNER, Ph.D. (University of Oklahoma)  
Associate Professor of Speech. 1972, 1982.
- TINA GODWIN, R.N., B.S.N. (University of Texas)  
Associate Instructor of Nursing. 1983.
- JAMES RANDALL GOODWIN, R.N., B.S.N., (Harding University)  
Adjunct Associate Instructor of Nursing. 1984.
- STANLEY B. GREEN, B.S.E. (University of Houston)  
Instructor in Art, Director of Public Relations, and Sports Information  
Director. 1966, 1971.
- MARY ANN HARRIS, Ed.D. (Memphis State University)  
Professor of Education. 1978, 1983.
- FRANKLIN D. HAYES, M.S.S. (George Peabody College)  
Assistant Professor of Library Science and Periodicals Librarian. 1975,  
1978.
- EARL CONARD HAYS, B.D. (Southern Methodist University)  
Professor of Bible and Church History and Assistant to the Chairman of  
the Department of Bible, Religion and Philosophy. 1953, 1972.
- ROBERT L. HELSTEN M.A. (Harding Graduate School of Religion)  
Professor of Bible and German. 1958, 1982.
- JAMES R. HENDERSON Ph.D. CPA (Texas A&M University)  
Associate Professor of Accounting and Assistant Dean of the School of  
Business. 1978, 1983.
- LOLETA F. HIGGINBOTHAM, M.A.T. (Harding College)  
Instructor in Home Economics. 1982.
- WILLIAM W. HOLLAWAY, Ph.D. (North Texas State University)  
Professor of Music. 1966, 1977.
- JEFFREY T. HOPPER, M.M. (Southern Illinois University at Edwardsville)  
Associate Professor of Music. 1974, 1984.

- THOMAS M. HOWARD, Ed.D. (University of Arkansas)  
Associate Professor of Political Science and Director of Institutional Testing. 1972, 1981.
- DWIGHT E. IRELAND, Ed.D. (University of Arkansas)  
Assistant Professor of Psychology. 1977, 1982.
- ALLAN L. ISOM, Ed.D. (New Orleans Baptist Theological Seminary)  
Professor of Bible and Assistant Chairman of the Department. 1963, 1984.
- MICHAEL JAMES, B.S. (Harding College)  
Associate Instructor of Journalism and Director of Media Productions 1973, 1983.
- ALICE K. JEWELL M.A. (Indiana University)  
Associate Professor of English. 1968, 1980.
- FRED R. JEWELL, Ed.D. (Ball State University)  
Professor of History. 1968, 1981.
- DAVID M. JOHNSON, M.B.A., CPA (Memphis State University)  
Assistant Professor of Accounting and Administrative Assistant to the Dean of the School of Business. 1982, 1983.
- KENNETH L. JOHNSON, D.B.A., CPA (Louisiana Tech University)  
Associate Professor of Accounting and Director, Accounting Program. 1976, 1982.
- RICHARD A JOHNSON, M.Ed. (Harding College)  
Associate Professor of Physical Education. 1969, 1984.
- JOE DALE JONES, M.A. (Harding Graduate School of Religion)  
Assistant Professor of Bible and Director of The Harding School of Biblical Studies. 1975, 1981.
- WYATT JONES, Ed.D. (University of Alabama)  
Professor of Education and Director of Graduate Studies. 1975.
- JOHN E. KELLER, M.A. (University of Nebraska)  
Assistant Professor of Art. 1979, 1980.
- ROBERT J. KELLY, Ed.D. (University of Mississippi)  
Professor of Business Education and Director, Business and Office Education. 1969, 1984.
- RICHARD DONALD KING, M.Th. (Harding Graduate School of Religion)  
Assistant Professor of Bible. 1980, 1983.
- HELEN LAMBERT, R.N., M.S. (University of Southern Mississippi)  
Assistant Professor of Nursing. 1982.
- WILLIAM T. LAMBERT, M.A. (Mississippi College)  
Assistant Professor of English and Bible. 1982.
- BILLIE LARCH, R.N., M.S.E. (University of Central Arkansas)  
Adjunct Assistant Professor of Nursing. 1984.

- MARGIE H. LAWYER, M.A. (North Texas State University)  
Professor of History and Social Science. 1961, 1983.
- THEODORE R. LLOYD, M.S. (University of Mississippi)  
Professor of Physical Education. 1964, 1983.
- LARRY R. LONG, Ph.D. (Ohio State University)  
Associate Professor of English and Director of Summer Session. 1976, 1981.
- JAMES E. MACKEY, Ph.D. (University of Mississippi)  
Professor of Physics. 1968, 1978.
- RANDALL B. MADDOX, JR., B.S. (Harding University)  
Associate Instructor in Mathematics. 1982.
- AVON L. MALONE, M.A. (Abilene Christian University)  
Associate Professor of Bible. 1974, 1981.
- KATHY MARCUSSEN, R.N., M.S.N., (University of Central Arkansas)  
Assistant Professor of Nursing. 1984.
- WILTON Y. MARTIN, Ed.D. (University of Arkansas)  
Professor of Recreation. 1972, 1984.
- DUANE McCAMPBELL, Ph.D. (University of Arkansas)  
Professor of English and Philosophy. 1969, 1983.
- W. ROBERT McKELVAIN, Ph.D. (Texas A&M University)  
Associate Professor of Psychology. 1975, 1983.
- JOHN T. McKINNEY, M.A. (Abilene Christian University)  
Associate Professor of Greek. 1974, 1981.
- C. ROBIN MILLER, M.A. (University of Tennessee at Knoxville)  
Assistant Professor of Speech. 1980, 1983.
- ELISSA MILLER, R.N., M.N.Sc. (Memphis State University)  
Associate Professor of Nursing. 1984.
- LEWIS G. MOORE, Ph.D. (University of Nebraska)  
Associate Professor of Psychology and Director of Counseling. 1970, 1982.
- RAYMOND LEE MUNCY Ph.D. (University of Mississippi)  
Professor of History and Chairman of the Department of History and Social Science. 1964, 1976.
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Associate Professor of Physics. 1982, 1983.
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Assistant Professor of Nursing. 1978, 1980.
- JAMES D. NICHOLS, Ed.D. (University of Arkansas)  
Assistant Professor of Education. 1977, 1980.
- CAROL NICHOLSON, R.N., M.S.N., (Texas Woman's University)  
Assistant Professor of Nursing. 1984.

- Assistant Professor of Computer Science and Mathematics and Director of Administrative Computing. 1975, 1982.
- NANCY LESLIE O'BRIEN, R.N., M.S. (University of Tennessee Center for the Health Sciences)  
Associate Professor of Nursing. 1976, 1981.
- BILL W. OLDHAM, Ed.D. (University of Northern Colorado)  
Professor of Mathematics and Director of Mathematics Education. 1961, 1983.
- HARRY D. OLREE, Ed.D. (George Peabody College)  
Professor of Physical Education, Chairman of the Department of Health, Physical Education, and Recreation, and Director of Research. 1957, 1966.
- DENNIS M. ORGAN, Ph.D. (Texas Tech University)  
Professor of English and Chairman of the Department. 1967, 1984.
- ANN LOUISE PACE, M.S.S.W. (University of Tennessee)  
Assistant Professor of Social Work. 1983.
- RONNIE D. PEACOCK, M.A.T. (Harding College)  
Assistant Professor of Physical Education. 1979, 1981.
- TERRY R. PEARSON, M.S. (Louisiana Tech University)  
Assistant Professor of Business. 1983.
- L.V. PFEIFER, M.Div., M.Th. (Golden Gate Baptist Theological Seminary)  
Associate Professor of Bible. 1973, 1980.
- PAUL M. PITT, M.F.A. (Memphis State University)  
Associate Professor of Art. 1971, 1981.
- CHARLES PITTMAN, M.A. (Memphis State University)  
Associate Professor of English. 1962, 1976.
- MICHAEL V. PLUMMER, Ph.D. (University of Kansas)  
Associate Professor of Biology. 1970, 1981.
- PAUL J. POLLARD, Ph.D. (Baylor University)  
Associate Professor of Bible. 1974, 1983.
- WALTER L. PORTER, Ph.D. (George Peabody College)  
Professor of Psychology. 1971, 1978.
- DEAN B. PRIEST, Ph.D. (University of Mississippi)  
Dean of the College of Arts and Sciences, Distinguished Professor of Mathematics and Chairman of the Department. 1962, 1983.
- C. JOHN PROCK, M.T. (Southwestern Oklahoma State University)  
Professor of Physical Education. 1960, 1981.
- JOSEPH E. PRYOR, Ph.D. (Louisiana State University)  
Professor of Physical Science. 1944, 1973.

- NEALE T. PRYOR, Th.D. (New Orleans Theological Seminary)  
Vice President for Academic Affairs, Professor of Bible, and Chairman of the Department. 1962, 1983.
- ROBERT H. REELY, Ed.D. (Auburn University)  
Associate Professor of Management and Director, Center for Management Excellence, Management and Marketing Programs for the School of Business. 1980, 1981.
- JOHN REESE, M.Ed. (Harding College)  
Visiting Professor of Missions. 1984.
- LINDA M. RICKEL, R.N., M.N.Sc. (University of Arkansas)  
Adjunct Assistant Professor of Nursing. 1984.
- WARD BRYCE ROBERSON, Ph.D. (Utah State University)  
Professor of Biological Science. 1964, 1978.
- MARVIN H. ROBERTSON, B.S., J.D. (University of Arkansas)  
Associate Professor of Business. 1979, 1984.
- DON D. ROBINSON, M.A. (Colorado State University)  
Professor of Art and Chairman of the Department. 1962, 1982.
- WILLIAM F. RUSHTON, M.A. (University of Arkansas)  
Associate Professor of Biological Science. 1960, 1974.
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Professor of Speech. 1961, 1975.
- MARJORIE H. RYAN, M.A.T. (Harding College)  
Assistant Professor of Physical Education. 1961, 1966.
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Associate Professor of Computer Information Systems and Director of the CIS Program in the School of Business. 1983.
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Associate Professor of Bible. 1973, 1981.
- JACK WOOD SEARS, Ph.D. (University of Texas)  
Professor of Biological Science. 1945.
- JOE T. SEGRAVES, Ph.D. (University of Kentucky)  
Professor of History. 1963, 1977.
- ANN R. SEWELL, M.M. (Hardin-Simmons University)  
Associate Professor of Music. 1961, 1979.
- EDWARD G. SEWELL, Ph.D. (University of Texas)  
Professor of Education. 1947, 1965.
- DON SHACKELFORD, Th.D. (New Orleans Baptist Theological Seminary)  
Professor of Bible, and Director of Florence, Italy Program. 1972, 1981.
- CLIFFORD E. SHARP, M.S.T. (Antioch College)  
Associate Professor of Physical Science. 1969, 1979.
- ARTHUR L. SHEARIN, D.M.A. (University of Colorado)  
Associate Professor of Music. 1972, 1982.

- MARY R. SHOCK, M.S.S.W. (University of Arkansas Graduate School of Social Work)  
Assistant Professor of Social Work and Director of Social Work Program. 1979, 1982.
- \*CATHLEEN M. SHULTZ, Ph.D., R.N. (Vanderbilt University)  
Associate Professor of Nursing and Dean of the School of Nursing. 1976, 1981.
- \*SAM LAURENCE SHULTZ, M.D. F.A.A.P (University of Texas Medical Branch of Galveston)  
Adjunct Professor of Nursing. 1981.
- CARROLL W. SMITH, Ph.D. (University of Oklahoma)  
Professor of Chemistry. 1968, 1979.
- STEPHEN W. SMITH, Ph.D. (Florida State University)  
Professor of Mathematics and Assistant Chairman of the Department. 1971, 1983.
- \*SUZANNE F. SPURRIER, M.A. (University of West Virginia)  
Assistant Professor of Library Science and Circulation Librarian. 1975, 1978.
- DAVID STAGGS, M.D., F.A.A.F.P. (University of Arkansas)  
Adjunct Professor of Nursing. 1981.
- BARBARA KARAFFA STATOM, M.Ed. (Bowling Green State University)  
Associate Professor of Business Education. 1973, 1984.
- THOMAS R. STATOM, Ph.D. (University of Alabama)  
Associate Professor of History. 1967, 1981.
- FRANCIS VAN TATE, Ph.D. (University of Nairobi)  
Associate Professor of Sociology, and Director of Mission/Prepare Program. 1973, 1981.
- BURDETTE HENRY TERRILL, M.S.L.S. (Our Lady of the Lake University)  
Assistant Professor of Library Science and Assistant Librarian for Government Documents, Interlibrary Loan, and Reserved Books. 1979, 1981.
- JACK D. THOMAS, Ph.D. (Texas A&M University)  
Professor of Psychology, Chairman of the Department. 1974, 1982.
- RANDY O. TRIBBLE, M.Ed. (Harding University)  
Instructor in Physical Education. 1981, 1984.
- ROXIE B. TROILETT, R.N., B.S.N. (University of Arkansas)  
Adjunct Associate Instructor of Nursing. 1984.
- \*DAVID S. TUCKER, M.A., CPA (Georgetown University)  
Assistant Professor of Economics. 1980.

\* On leave of absence 1984-85.

- DANIEL C. TULLOS, M.C.D. (University of Mississippi)  
Assistant Professor of Speech. 1979.
- BETTY THORNTON ULREY, M.Ed. (Harding College)  
Associate Professor of English. 1967, 1984.
- EVAN ULREY, Ph.D. (Louisiana State University)  
Professor of Speech and Chairman of the Department of Communication. 1950.
- EUGENE UNDERWOOD, Ed.D. (East Texas State University)  
Associate Professor of English. 1970, 1980.
- C. MARK VanRHEENEN, M.B.A., CPA (North Texas State University)  
Assistant Professor of Accounting. 1976, 1978.
- BILLY D. VERKLER, Ph.D. (Mississippi State University)  
Professor of Sociology and Chairman of the Department of Sociology and Social Work. 1957, 1974.
- CHARLES R. WALKER, M.S. (University of Illinois)  
Associate Professor of Business and Marketing. 1965, 1984.
- RICHARD W. WALKER, Ph.D. (Louisiana State University)  
Professor of Speech. 1953, 1968.
- JAMES C. WALTERS, M.A.R. (Harding Graduate School of Religion)  
Assistant Professor of Bible. 1979, 1982.
- WILL ED WARREN, M.A.R. (Harding Graduate School of Religion)  
Associate Professor of Bible. 1974, 1984.
- PHIL WATKINS, M. Ed. (Harding College)  
Associate Professor of Physical Education. 1974, 1984.
- BETTY WORK WATSON, M.A. (Michigan State University)  
Associate Professor of Elementary Education. 1968, 1978.
- BECKY WEAVER, M.C.D., (University of Mississippi)  
Assistant Professor of Communication. 1984.
- C. EDWARD WHITE, M.A. (Marshall University)  
Associate Professor of English. 1969, 1978.
- NEVA J. WHITE, M.M. (Eastman School of Music)  
Assistant Professor of Piano. 1982.
- STEVEN DALE WHITE M.B.A. CPA (University of Mississippi)  
Assistant Professor of Business. 1976, 1979.
- WILLIAM D WHITE M.D. F.A.C.G. (University of Chicago College of Medicine)  
Adjunct Professor of Nursing. 1976.
- WILLIAM D. WILLIAMS, Ph.D. (University of Kentucky)  
Professor of Chemistry and Chairman of the Department of Physical Science. 1954, 1963.

\* On leave of absence 1984-85.

EDMOND W. WILSON, JR., Ph.D. (University of Alabama) 1985-1986 Harding University Catalog  
Professor of Chemistry. 1970, 1979.

ELIZABETH K. WILSON, M.A. (University of Alabama)  
Associate Professor of Home Economics and Chairman of the Department. 1971, 1984.

GEORGE W. WOODRUFF, Ed.D. (Oklahoma State University)  
Professor of Biology and Chairman of the Department. 1966, 1983.

DOROTHY S. WRIGHT, Dr. de l'Universite (University of Toulouse)  
Professor of French. 1968, 1980.

WINFRED O. WRIGHT, Dr. de l'Universite (University of Toulouse)  
Professor of French, Chairman of the Department of Foreign Languages and International Studies, and Director of Cooperative Education. 1966, 1976.

### EMERITI

JAMES D. BALES, Ph.D.  
Emeritus Professor of Bible. 1944, 1980.

GEORGE STUART BENSON, M.A., LL.D.  
President Emeritus and Emeritus Professor of Bible. 1936, 1965.

WILLIAM LESLIE BURKE, M.A.  
Emeritus Professor of Biblical Languages. 1944, 1974.

NEIL B. COPE, Ph.D.  
Emeritus Professor of Journalism. 1936, 1979.

MAURICE L. LAWSON, M.S.  
Emeritus Professor of Physics. 1954, 1982.

ELIZABETH B. MASON, M.A.  
Emeritus Professor of Art. 1946, 1983.

ERLE T. MOORE, Ed.D.  
Emeritus Professor of Music. 1949, 1982.

LLOYD CLINE SEARS, Ph.D.  
Dean Emeritus and Emeritus Professor of English. 1924, 1960.

ERMAL H. TUCKER, M.S.  
Emeritus Professor of Business Education. 1957, 1982.

MURREY W. WILSON, M.A.  
Emeritus Associate Professor of Education. 1957, 1981.

### HARDING ACADEMY

BETTY A. ALSTON, M.A. (Memphis State University)  
Elementary Librarian. 1969, 1980.

LINDA G. ARNOLD, M.Ed. (Harding College)  
Instructor in Business and Social Science. 1976.

BILLY RAY BARDEN, M.A.T. (Harding College)  
Instructor in Science and Coach. 1967.

MARILEY BOYD, M.A. (Harding University)  
Instructor in English. 1983.

JAMES R. BROWN, M.S. (University of Arkansas)  
Instructor in Mathematics. 1970.

RUTH E. BROWNING, M.A.T. (Harding College)  
High School Librarian, Instructor in English. 1981.

PATRICIA J. COX, M.Ed. (Harding University)  
Elementary Band Director.

GLENAVE CURTIS, B.S. (Harding College)  
Instructor in Home Economics. 1971.

RETTA DEAN, M.A. (Harding College)  
Instructor in Advanced Science. 1972.

BILL G. DILES, M.A.T. (Harding College)  
Principal and Instructor in Bible. 1963, 1967.

M. LEIGH ELLIS, M.Ed. (Harding College)  
Instructor in Speech and Art. 1983.

BILLY W. FARRIS, B.S. (Southeastern State College)  
Sixth Grade. 1984.

LEWIS "TONY" FINLEY, Ed.D. (University of Arkansas)  
Instructor in Science. 1978, 1985.

MILDRED H. GROOVER, B.A. (Harding College)  
Instructor in Business. 1962, 1967.

ANITA R. HAMILTON, M.Ed. (Harding University)  
Instructor in Spanish and French. 1980.

MARYBELLE HELSTEN, B.A. (Harding College)  
Fourth Grade. 1957.

CAROL A. HENDON, M.A.T. (Harding College)  
Kindergarten, 1981.

EDWARD HIGGINBOTHAM, JR., Ed.D. (North Texas State University)  
Superintendent. 1960, 1984.

STEVE HOLDER, M.Ed. (Harding University)  
High School Band Instructor. 1981.

CAROLE ISOM, M.Ed. (Harding University)  
First Grade. 1980.

JAMES CRAIG JONES, B.A. (Harding College)  
Instructor in Music and Bible and Director of Chorus. 1977.

VIRGIL R. LAMBETH, M.Ed. (Harding University)  
Elementary Principal. 1979.

EDWIN LAND, M.S.E. (Arkansas State University)  
Guidance Counselor. 1974.



LOIS LAWSON, M.A.T. (Harding College)  
Third Grade. 1955.

MARCIE LLOYD, M.Ed. (Harding College)  
Fifth Grade. 1977.

JAN MORGAN, M.A. (Ouachita Baptist University)  
Instructor in Elementary Music. 1982.

ANN B. NORWOOD, B.A. (Harding College)  
Instructor in Physical Education. 1973.

SUSAN R. PRATT, M.A. (Harding University)  
Instructor in Math. 1984.

GARY WAYNE RHODES, M.Ed. (Harding College)  
Instructor in Physical Education and Mathematics. 1979.

DENNIS RINE, M.Ed. (Harding University)  
Instructor in Physical Education and Coach. 1979.

BOBBIE N. SANDLIN, M.A.T. (Harding College)  
Sixth Grade. 1983.

MATTIE SUE SEARS, M.A.T. (Harding College)  
Second Grade. 1962.

DORTHA SHIRLEY, B.A. (Harding College)  
Instructor in English. 1974.

ESTHER M. YINGLING, B.A. (Harding College)  
Instructor in Social Studies. 1976.

### STANDING FACULTY COMMITTEES

1984-85

**ACADEMIC AFFAIRS COMMITTEE:** Neale T. Pryor, Chairman, Connie Alexander, Virgil M. Beckett, David B. Burks, James F. Carr, Jr., Bobby L. Coker, Debbie Garrett, Allan Isom, Wyatt Jones, Ray L. Muncy, Dean Priest and Cathleen Shultz.

**ACADEMIC RETENTION COMMITTEE:** Virgil N. Beckett, Chairman, Ted M. Altman, Karyl Bailey, Harmon Brown, Neale Pryor, and John T. Smith.

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SHIRLEY J. ROWAN, Transcript Clerk  
MILLIE YARBROUGH, Computer Terminal Operator

THOMAS B. BAIRD, M.S., Director of Software Support of Academic  
Computer Center

JEROME BARNES, Ed.D., Director, Educational Media Center  
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ALVA GENE DUGGER, M.S., Director of Academic Computer Center  
THOMAS M. HOWARD, Ed.D., Director of Institutional Testing  
TERRI GRAVES, Secretary

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BOBBY PARKS, Field Director  
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Education  
ANNA JO DAVIS, Secretary

##### Department Chairmen, College of Arts and Sciences

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GAIL CLEVENGER, Secretary

NEALE T. PRYOR, Th.D., Bible Department  
PATRICIA JORDAN, Office Manager  
SHERI EIFERT, A.S., Secretary

GEORGE W. WOODRUFF, Ed.D., Biological Science Department  
MARY E. GROVES and CAROLYN LLOYD, Secretaries

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DAWN LOWE, Secretary

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MARY CATHERINE RANDLE, B.S., Secretary

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Languages and International Studies  
ANNA JO DAVIS, Secretary

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RACHEL R. ROBERSON, B.A., Secretary

ELIZABETH K. WILSON, M.A., Home Economics Department  
LaVERNE BEACH, Secretary

DEAN B. PRIEST, Ph.D., Mathematics Department  
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 WANDA J. SPEARS, Secretary  
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 JACK D. THOMAS, Ph.D., Psychology Department  
 JOANN RIDINGS, Secretary  
 BILLY D. VERKLER, Ph.D., Sociology and Social Services Department  
 JOANN RIDINGS, Secretary

**Pre-Professional Advisors**

Agriculture - WILLIAM F. RUSHTON, M.A.  
 Architecture - LAMBERT E. MURRAY, Ph.D.  
 Chiropractic - CARROLL W. SMITH, Ph.D.  
 Dentistry - GEORGE W. WOODRUFF, Ed.D.  
 Engineering - LAMBERT E. MURRAY, Ph.D.  
 Law - RAYMOND LEE MUNCY, Ph.D.  
 Medical Technology - CARROLL W. SMITH, Ph.D.  
 Medicine - DON ENGLAND, Ph.D., and MICHAEL V. PLUMMER, Ph.D.  
 Nursing - W. BRYCE ROBERSON, Ph.D., JOSEPH E. PRYOR, Ph.D.,  
 JACK WOOD SEARS, Ph.D., and CARROLL W. SMITH, Ph.D.  
 Optometry - BILL W. OLDHAM, Ed.D.  
 Pharmacy - WILLIAM D. WILLIAMS, Ph.D.  
 Physical Therapy - EDMOND W. WILSON, Ph.D.  
 Social Work - MARY SHOCK, M.S.S.W.  
 Veterinary Medicine - MICHAEL V. PLUMMER, Ph.D.

**ADMISSIONS**

DURWARD McGAHA, M.S.E., Director of Admissions and Director of  
 Junior College Relations  
 ROSEMARY WILSON, Assistant to the Director of Admissions  
 CHRIS DELL, B.A., Admissions Advisor  
 DAVID WRIGHT, B.B.A., Admissions Advisor  
 DAWN ZOLLER, B.A., Admissions Advisor  
 TERESA R. BUSS, JOANN EADS and CHARLOTTE McGEE, Secre-  
 taries

**ATHLETICS**

HARRY D. OLREE, Ed.D., Athletic Director  
 BETTY GREEN and WANDA SPEARS, and RACHEL GIBBS, Secre-  
 taries  
 JOSEPH PRYOR, Ph.D., Faculty Athletic Representative  
 STANLEY B. GREEN, B.S.E., Sports Information Director  
 BARBARA B. BARNES, M.A.T., Director of Women's Intramurals

CECIL M. BECK, M.A. Director of Men's Intramurals  
 KATHRYN CAMPBELL, M.A.T., Cheerleader Advisor  
 RICHARD A. JOHNSON, M.Ed., Baseball Coach  
 JESS BUCY, M.S.E., Basketball Coach  
 NICKY BOYD, M.S.E., Assistant Basketball Coach  
 THEODORE R. LLOYD, M.S., Men's and Women's Cross Country and  
 Men's Track Coach  
 CLIFFORD E. SHARP, M.S.T., Women's Track Coach and Assistant  
 Men's Track Coach  
 C. JOHN PROCK, M.T., Football Coach  
 RICHARD A. JOHNSON, M.Ed., RONNIE PEACOCK, M.A.T., and  
 RANDY O. TRIBBLE, M.Ed., Assistant Football Coaches  
 PHIL WATKINS, M.A.T., Golf Coach and Women's Basketball Coach  
 TED M. ALTMAN, Ed.D., Women's Softball Coach  
 JOHN G. BOUSTEAD, M.Ed., Swimming Coach  
 DAVID T. ELLIOTT, M.A.T., Tennis Coach  
 KARYL V. BAILEY, Ph.D., Women's Volleyball Coach

**BUSINESS AFFAIRS**

LOTT R. TUCKER, B.A., Vice President for Finance  
 LATINA DYKES, B.S., Secretary  
 BYRON A. ROWAN, B.S., Assistant to the Vice President for Finance  
 MARILYN WEBB, Secretary  
 J. ERVIN SANDLIN, B.S., Assistant Purchasing Agent and Internal  
 Auditor  
 CECIL ADAMS, B.S., Loan Collection Officer  
 DELORES VALENTINE, Bookkeeper  
 PAT MCGHEE, Secretary  
 CARLA M. KEARBEBY, B.B.A., Contoller  
 HELEN KEARBEBY, and ANN SMITH, Bookkeepers  
 ZEARL D. WATSON, B.S., Director of Student Financial Aid  
 JANE MUSICK, Assistant to the Director of Student Financial Aid  
 ANN GUFFEY and LINDA GOLDMAN, B.S.E., Financial Aid  
 Counselors  
 MADRA KATCHUR, MELINDA MAACH, B.A., JO MATHIS and  
 PANSY WELLS, Financial Aid Records  
 JOETTA MARTIN, Receptionist

**Administrative Computer Center**

JOHN W. NUNNALLY, M.S., Director of Administrative Computer  
 Center  
 MICHAEL E. CHALENBURG, B.A., Assistant Director of Adminis-  
 trative Computer Center  
 GENE WARD and TOM EDWARDS, Computer Technicians  
 CLETA DAUGHERTY, B.B.A., Computer Operations Chief  
 EDWARD HEATON, B.S., Systems Analyst  
 NETTIE CARTER, Secretary

**American Heritage Center**

HERMAN SMITH, Manager  
JOY SLAYTON, Secretary

**Bison Lanes**

ED BURT, Manager

**Bookstore**

WILLIAM E. BRIDGES, B.S., Manager

**Bookstore, Memphis**

OSCAR MOORE, Manager

**Business Office**

PATRICIA YOUNG, B.A., Assistant to the Vice President for Finance  
WANDA HUFFSTICKLER, B.S.E., Cashier  
MARY BRIDGES, JEAN CURRY, NANCY JOHNSON, MARGARET JONES, FRED A. MARTIN,  
GAIL MORROW, WILMA RYAN, MARY ANN SMITH and JULIE WATSON, Accounts Receivable  
RUTH BURT, Accounts Payable  
CINDY CLONINGER, Receptionist

**Cafeteria, Heritage Center**

KEVIN O'LEARY, Manager

**Cafeteria, Pattie Cobb**

DADIE WARREN, Manager

**Camp Tahkodah**

GRANT SANDLIN, Manager

**College Inn**

KEVIN O'LEARY, Manager

**College Laundry and Cleaners**

CLARENCE W. McDANIEL, JR., Manager

**College Post Office (Station A, Searcy, AR 72143)**

DALE GOULD, M.A.T., Manager

**Engineering Department**

HERMAN SPURLOCK, B.A., Chief Engineer  
RONNIE BURKETT, Assistant Maintenance Supervisor  
PHYLLISS WRIGHT, Secretary  
W. C. EVATT, Electrician Foreman  
HERMAN L. BROWN, VERNON CARDIN, DANNY DERMAS,  
LARRY LASHLEE, ALFRED PRINCE and ROSS SPURLOCK,  
Electricians  
WALTER HIX, Plumbing Foreman  
ROBERT GILBERT, LLOYD GOREE, RAYMOND HARRIS, JIM HUDGINS, D.W. RIDINGS, STEVE SPURLOCK, WILLIAM SPURLOCK, and DAVID WHITE, Plumbers  
DEWAYNE JAMES, JOHN PAUL LEE and LARRY WOODALL,  
Boiler Operators

**College School of Religion, Memphis, Tennessee**

MARIAN NUNNALLY, Assistant to the Vice President for Finance

**Maintenance and Construction**

W. T. PEARSON, Maintenance and Construction Superintendent  
JOHNNIE BALLARD, Maintenance Foreman  
CHESTER WILLIAMS, Construction Supervisor  
JAMES RUMFIELD, Carpenter

**Maintenance of the Campus, Janitorial Service**

BERNIE L. VINES, Supervisor  
REX JOHNS, Campus Maintenance Foreman  
JEAN SHOWALTER, Secretary

**Maintenance Shop**

LYLE POINDEXTER, Shop Foreman  
CHARLES HALEY, Assistant Shop Foreman

**Pilot**

DAVID RIDINGS

**Press**

HERMAN WEST, Manager

**Staff Personnel Office**

ANN SCHOL, B.S.W., Assistant Personnel Director  
SUE BUCY, Personnel Clerk

**Student Center**

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**Student Employment Office**

RUSSELL E. SHOWALTER, M.A., Assistant to the Vice President for Finance and Student Work Director  
LEA HAZELMAN, Secretary

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LARRY DAUGHETY, Shipping and Receiving Clerk  
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**Security, Campus**

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DAN CAMPBELL DON CURTIS GARY EVANS DON HADDIX  
FRANK HAZELMAN, CLINTON HELMUTH JIM MUSICK CLYDE OWEN GLOVER RAMSEY, SCOTT RUSHTON, and E. L. SCROGGINS, Security Officers

**Telephone System, Campus**

HOPE EDWARDS, PBX Operator

**Transportation**

GUILFORD RICE, Transportation Officer

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 CLARENCE ALVIN FOWLER, B.A., C.P.A., Director of Development  
 WILLIAM H. TUCKER, B.S., J.D., Special Representative, University Attorney  
 GLENDOL GRIMES, M.A., Director of Development, Harding Graduate School of Religion  
 PAUL M. GARDNER, B.A., M.S., Ph.D., Special Representative  
 J. ROWAN MCLEOD, B.A., Special Representative, Office Manager  
 LORA L. FLEENER, B.B.A., C.P.S., DOROTHY WOODRUFF and ANN L. WRIGHT Secretaries  
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 HARRY D. OLREE, Ed.D., Professor of Physical Education  
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**PUBLIC RELATIONS**

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 EDWINA PACE, Executive Secretary to the President  
 JAMES F. CARR, JR., Ed.D., Assistant to the President  
 PAT A. McSPADDEN, Secretary

SHIRLEY B. GREEN, B.S.E., Director of Public Relations  
 BRAD WATSON, B.A., Assistant Director of Public Relations  
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JAMES D. JONES, SR., B.A., Director of Recording Services

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HARRY D. OLREE, Ed.D., Director of Research  
 WANDA J. SPEARS, Secretary  
 BOB J. CORBIN, M.Ed., Research Associate

**STUDENT PERSONNEL**

TED M. ALTMAN, Ed.D., Vice President for Student Affairs and Foreign Student Advisor  
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 BARBARA MARTIN, Personnel Assistant  
 PAULA DANNER, A.A., Secretary, Word Processing  
 CHARLENE PROCK, Chapel Secretary  
 EDDIE R. CAMPBELL, M.A.T., Associate Dean of Students, and Director of Early Orientation  
 JOYCE S. JOHNSON, Secretary and Receptionist  
 MARIBETH DOWNING, Ph.D., Associate Dean of Students  
 KARLA FEAGIN, Secretary  
 IDELL M. ABLES, L.P.N., Relief Dorm Director  
 SANDRA K. BOUCHARREB, Director, Cathcart Hall  
 JOHNNIE B. COOPER, Director, Kendall Hall  
 DORIS DALTON, Director, Sears Hall  
 MAZZIE A. GOIN, Director, Pattie Cobb Hall  
 LOIS JUNE WYATT, B.A., Director, Stephens Hall  
 LOUIS F. BUTTERFIELD, Ed.S., Director, Keller Hall  
 RONNIE D. PEACOCK, M.A.T., Director, Harbin Hall  
 HAROLD VALENTINE, B.A., Director, Armstrong Hall  
 LARRY A. DAUGHETY, Director, Graduate Hall  
 ISAAC M. HAMILTON, B.S., Director of Housing  
 PATRICIA D. BARRETT, B.A., Assistant Director of Housing, Social Club Activities Coordinator  
 LEWIS L. MOORE, Ph.D., Director of Counseling  
 BILLY D. VERKLER, PH.D., Counselor  
 W. ROBERT McKELVAIN, Ph.D., Counselor  
 LOUISE PACE, M.S.S.W., Counselor  
 CHERYL K. POLLARD, M.Ed., Counselor  
 MARY R. SHOCK, M.S.S.W., Counselor

C. PATRICIA RICE, B.S., R.N., University Nurse and Director of Student Health Center

VIRGINIA CAMPBELL, Health Center Receptionist

JANINE W. RECTOR, A.D., R.N., University Nurse

**Endowments and scholarships** and other forms of financial aid have been established by friends of the University in order to assure the permanence of the vital service which Harding is giving.

Endowment Funds are those for which donors have stipulated that the principal of the fund is to remain inviolate in perpetuity and is to be invested for the purpose of producing income. The income may be expended only for the purpose specified by the donor.

Scholarship Funds and Loan Funds are established for the specific purpose of providing scholarship aid or loans, respectively, to qualified students. Interested students should make application through the Student Financial Aid Office unless a departmental office is specifically designated. Selection of recipients will be determined by the appropriate fund agreement.

**ESTABLISHING ADDITIONAL ENDOWMENT, SCHOLARSHIP, OR LOAN FUNDS:** Studies have shown that for every student in college there is another youth with equal ability who finds it financially impossible to obtain a college education. To invest in these youths is a worth-while work. Harding University invites others to establish similar endowment, scholarship, or loan funds.

#### ENDOWMENT FUNDS:

**AMERICAN FOUNDERS ENDOWMENT:** Because of their interest in Christian Education, the men who founded the American Founders Insurance Company presented to Harding for an endowment fund 910 shares of stock.

**THE JONATHAN EDWARD BEDWELL MEMORIAL ENDOWMENT FUND:** Established by family and friends in memory of Jonathan Edward Bedwell, a student at Harding at the time of his death. Income from this fund is to be used for the general operation of the University.

**CLARK DAVID BELDEN ENDOWMENT FUND:** Established by a generous gift from Lomanco, Inc. of Jacksonville, Arkansas, in memory of its founder, Clark David Belden. The purpose of this fund is to endow the Center for Private Enterprise Education, Harding University School of Business.

**RANDALL B. AND MARY BALES BRANNON ENDOWMENT FUND:** Established by the family in memory of Randall B. Brannon and in honor of Mary Bales Brannon. Income from this fund is to be used each year in the area where it will do the most good for the University.

**FACULTY SALARY ENDOWMENT FUND:** Established by gifts from the Reader's Digest. Income from this fund is applied each year to faculty salaries.

**FORD FOUNDATION ENDOWMENT:** Harding was included in the extremely liberal gift of the Ford Foundation in 1956.

**JULIA BELUE GAMMILL MEMORIAL ENDOWMENT FUND:** Established by family and friends in memory of Julia Belue Gammill. Income from this fund is to be used for the general operation of the University.

**THE HARRY R. KENDALL FUND:** Mr. Harry R. Kendall left a bequest in the form of stock in 1958. The income from the stock is split evenly between the School of American Studies and

faculty salaries. None of the stock can be sold for a minimum of twenty years. The income from this trust is accounted for and handled through a separate fund established for this purpose.

**PEARL G. AND ANNA LEWIS MEMORIAL ENDOWMENT FUND:** Established in memory of W.C. and Anna Lewis. Income from this fund is to be used for the Harding Graduate School of Religion Library.

**McCORKLE ENDOWMENT FUND:** Established by J. Warren and Madalon Herren McCorkle of Dallas, TX. Income from this fund is used to advance scholarship and emphasize the training of preachers and foreign missionaries. Interested students should make application to the Office of the President.

**NINA GRAYSON WARNOCK ENDOWMENT FUND:** Established by her daughter and three granddaughters, this fund is in honor of Mrs. Nina Grayson Warnock, a former member of the Harding University Board of Trustees. Income from this generous gift is to be used each year in those areas where it will do the most good for the University.

**W. B. WEST, JR., LECTURE ENDOWMENT FUND:** Established in honor of W.B. West., Jr., to endow the annual Harding Graduate School of Religion Lectureship Program.

#### SCHOLARSHIP FUNDS:

**THE AMERICAN FOUNDERS SCHOLARSHIP FUND** of \$100 is available to a worthy student on the basis of scholarship and need. This has been established by the American Founders Insurance Company of Austin, Texas.

**KENNETH PAUL ARD MEMORIAL FUND:** Established by the family of the late Kenneth Paul Ard with the income to be used to provide grants to Chorale members to enable them to participate in summer campaigns. Interested students should make application to the Director of the Chorale.

**E. B. BAGGETT MEMORIAL MUSIC SCHOLARSHIP FUND** was established by the family and friends of the late Elmer B. Baggett, with the income being used to assist students who are members of both the Band and either the A Cappella Chorus or the Chorale. Application should be made before May 1 through the director of one of those musical groups.

**BAKER MEMORIAL SCHOLARSHIP FUND** was established by Mrs. Donna Baker Barlar of Nashville, Tennessee, in memory of her parents, Asa and Mary Ann Morton Baker. From this fund, scholarships are awarded to Christian young men who plan to preach or teach the gospel.

**T. H. BARTON SCHOLARSHIP FUND** was established by Colonel T. H. Barton of El Dorado.

**Z. BENSKY SCHOLARSHIP FUND** was provided through the generosity of Mr. Z. Bensky of Little Rock to provide scholarship aid for a student in dramatics.

**BOOTH BROTHERS MEMORIAL SCHOLARSHIP FUND**, established by the Booth Family of Searcy as a memorial scholarship fund, allows income to be awarded annually to a Searcy student.

**BREWER-MASON MEMORIAL SCHOLARSHIP FUND** established by friends and relatives of the late minister to aid worthy students, including Harding Academy.

**W. J. CARR SCHOLARSHIP FUND** was founded by W. J. Carr of Junction City.

**CARR SCHOLARSHIP FOR NURSING** established by Taylor B. Carr of Virginia Beach, VA, and Dr. James F. Carr, Jr., of Searcy, AR, in honor of their parents, James F. and Eula Barrett Carr. Scholarships are available to student nurses who plan to enter medical missions or work in a rural setting or a small city in the United States.

**JAMES T. CONE MEMORIAL SCHOLARSHIP FUND** was established by the family and friends of James T. Cone, who was Vice Chairman of the Board of Trustees at the time of his death in 1968.

**COONS-FARRAR SCHOLARSHIP FUND** was established to honor the memory of Catherine Farrar Williams and to assist junior and senior students in designated areas of the health care field.

**ELIZABETH J. COUCHMAN MEMORIAL FUND** was established by Mrs. Elizabeth J. Couchman of Winchester, KY, to provide a student scholarship annually.

**ADLAI STEVENSON AND MARGARET PRICE CROOM SCHOLARSHIP** was established in their honor by their children. To be awarded each year to an upper-class male Bible major from Arkansas.

**BRUCE ALAN DAVIS MEMORIAL SCHOLARSHIP** is made available each year by the parents of Bruce Alan Davis. Qualified recipients shall be members of the church of Christ who

are planning to do full-time church work after graduation or who are children of members of the church of Christ.

**DURRINGTON CHURCH EDUCATIONAL DIRECTOR SCHOLARSHIP FUND** was established through the generosity of Victor L. Durrington to provide scholarship grants to individual students who plan to work as a church educational director following graduation. Applicants must have a good academic record, be faithful Christians, and be a junior, senior, or graduate student.

**JOHN THOMAS ENGLAND AND HENRY HALL MEMORIAL SCHOLARSHIP FUND** was established in memory of these two men by their children, Wayne B. and Juanita England Hall. The fund is to provide financial assistance to Christian men attending Harding, preference being given to those who are preparing to preach the gospel.

**W. P. EUBANKS MEMORIAL SCHOLARSHIP-LOAN FUND** was established by Mr. E. W. Shannon of Clinton, in memory of Mr. and Mrs. P. Eubanks. From this fund, both loans and scholarships are available.

**FANNING ORPHAN FUND** is available for female students only. One or both parents must be deceased in order to qualify. Scholarships range from \$800 per year and are awarded upon receipt of a formal application. For more information contact: Mr. J. P. Neal, President, Fanning Orphan Scholarship, 421 Cedar Cliff Drive, Antioch, TN 37013.

**PIKE-CROPPER SCHOLARSHIP FUND** was established at the Graduate School of Bible and Religion by Don and Bonnie Fike of Jackson, MS, to assist committed Christians who plan to preach the gospel either at home or abroad.

**GEORGIA YOUTH FOUNDATION SCHOLARSHIP FUND:** As funds are available, scholarships are provided by the Georgia Youth Foundation for students from the State of Georgia. Awards are based on financial need.

**DR. L. K. HARDING MEMORIAL SCHOLARSHIP FUND** was created by Mrs. L.K. Harding in memory of her husband, Dr. L.K. Harding, the eldest son of James A. Harding, for whom the University is named.

**LAWRENCE G. HAYS SCHOLARSHIP FUND** was established to assist young men majoring in Bible and Missions. Interest earned from the fund will provide the scholarship aid each year.

**MARION ELLSWORTH AND ELIZABETH WARNER HENDRICKSON SCHOLARSHIP FUND** was established in their memory by their daughter, Mrs. Ruth Utterback of Ashland, WI, to help capable nursing students.

**GAIL AND BILLY IRELAND SCHOLARSHIP FUND** was established to honor the Irelands and to provide scholarship aid to senior psychology majors.

**MICHAEL JOHN AND CHARLES JOHN, JR., SCHOLARSHIP FUND** was established by the Seoul Area Command Church of Christ of Seoul, Korea, to provide aid to dependents of career military people and to veterans of the armed forces who are majoring in Bible or Nursing at Harding or are enrolled in the two-year School of Biblical Studies.

**JESSE H. JONES AND MARY GIBBS JONES SCHOLARSHIPS**, established through the generosity of Jesse H. Jones and Mary Gibbs Jones of Houston, Texas, provide a fund of \$2,000 annually to finance scholarships for young men and women of outstanding ability in the American Studies Program. Individual scholarships vary from \$230 to \$500 annually.

**HOUSTON T. KARNES ENDOWMENT SCHOLARSHIP FUND** was established by Mrs. Houston T. Karnes and friends of Dr. Karnes to honor his memory by providing scholarship assistance to those selected by the Dean of the Graduate School of Religion and the Scholarship Committee of the Graduate School.

**DENZIL KECKLEY MEMORIAL SCHOLARSHIP FUND**, established by Mildred Dykes Keckley of Atlanta, Georgia, in memory of her husband.

**WILLIAM F. AND LIZADA LATHAM MEMORIAL SCHOLARSHIP FUND** was established by Ethel and Pearl Latham to honor their parents and to provide assistance to qualified, full-time students (Undergraduate or HSBS) who are preparing to preach or teach the gospel on a full-time basis after graduation.

**MRS. PAULINE LAW SCHOLARSHIP FUND**, established by the will of Mrs. Pauline Law of Granite, Oklahoma, permits the interest from the fund to be used for scholarships for ministerial students selected by the University.

**JIM BILL McINTEER SCHOLARSHIP FUND:** Established by friends of Jim Bill McInteer to provide scholarships to deserving students with preference to students from the Nashville, Tennessee, area.

1985-1986 Harding University Catalog **QUIDDY MEMORIAL SCHOLARSHIP FUND** established by the family of the late C.C. McQuiddy to assist a worthy student.

**WILLIAM P. AND FRANCES B. NEAL ACCOUNTING SCHOLARSHIP FUND** was established by Mr. and Mrs. Neal of Cleveland, Mississippi, to provide grants to qualified junior or senior accounting majors.

**ORPHAN SCHOLARSHIP:** A student who is officially a resident of a children's home, will receive a 1/2 tuition scholarship upon approval by President, Dr. Clifton Ganus.

**NEAL PEEBLES SCHOLARSHIP FUND**, established by the will of Neal Peebles of Searcy, permits the interest of the fund to be used for scholarships of deserving students selected by the University.

**MILTON H. AND SAM W. PEEBLES MEMORIAL SCHOLARSHIP FUND** was started by friends of Lt. Sam W. Peebles, Jr., a graduate of 1938, who was killed in service on November 22, 1944. Subsequently amended to honor Milton H. Peebles, an alumnus and long-time Board member who died June 26, 1981.

**DUANE E. PRIEST MEMORIAL FUND** was established by friends in memory of Duane E. Priest to be used as a scholarship for pre-medical students.

**JAMES WILKES PUGH SCHOLARSHIP FUND:** Established by the will of James Wilkes Pugh of Amarillo, Texas. Provides scholarship aid to students majoring in the Natural Sciences and maintaining a "B" average. Priority to students who reside in the Ozark Mountains of Northern Arkansas and Northeastern Oklahoma.

**READERS DIGEST FOUNDATION SCHOLARSHIP FUND** is an endowment fund whose interest provides scholarship aid to a deserving student.

**KIM RICHARDS SCHOLARSHIP FUND** was established by Mr. and Mrs. M. T. Richards in memory of their daughter to provide financial assistance to a worthy student from Southern Illinois or Southern Florida.

**WILLA MAE RICHTER MEMORIAL SCHOLARSHIP FUND** was established by Mr. and Mrs. Thomas Barr in memory of Mrs. Barr's mother to provide financial assistance to worthy students.

**GEORGE M. ROBERTS MEMORIAL SCHOLARSHIP FUND** provides financial assistance to a senior boy or girl who has financial need and who is a good student and a good citizen of Harding.

**HERBERT AND BETTYE ROBERTSON SCHOLARSHIP FUND** provides from the interest a scholarship to a financially deserving White County resident who is achieving a satisfactory academic record at Harding.

**KENNETH ROSE SCHOLARSHIP FUND** was established by the family and friends of Kenneth Rose to honor his memory by providing scholarship aid to selected University students exemplifying the qualities of Kenneth Rose. Students must be entering their senior year of college having completed at least three semesters at Harding. Application should be made to Dr. Ed Wilson, Professor of Physical Science.

**L.O. SANDERSON MUSIC SCHOLARSHIP** was established to honor L.O. Sanderson and to assist junior and senior music majors who show promise in the area of music composition, church related.

**ROY SAWYER, SR., SCHOLARSHIP FUND:** Established to provide scholarship aid to deserving students with priority to students from Mississippi. Application should be made to the President's Office.

**JEANETTE POMIER SCHUMACHER AND SUZANNE POMIER STARK MEMORIAL SCHOLARSHIP FUND:** Established to provide scholarships to Nursing majors. Applications should be made to the Dean of the School of Nursing before May 1 each year. Awards will be made to those with the greatest need.

**MR. AND MRS. FORREST SHMIDL SCHOLARSHIP FUND:** Established to provide scholarship aid to full-time students majoring in Bible, Biblical Languages or Religious Education. Applications should be made to the Bible Department Chairman.

**JAMES HERBERT SMITH SCHOLARSHIP FUND** was established to honor James' memory by his family and friends. He was a gospel preacher and husband of the Dean of Nursing when killed in a plane crash on May 31, 1979. The fund is to assist members of the church who are pursuing a Bible or Nursing major on a full-time basis.

**RUSSELL L. SIMMONS MEMORIAL SCHOLARSHIP FUND** was established by Mrs. Russell L. Simmons, friends, and associates to provide scholarship grants to junior or senior journalism

majors. Application should be made to the Chairman of the Communication Department.

**STEPHEN W. SMOOT MEMORIAL SCHOLARSHIP FUND** was established by Mr. and Mrs. Ralph Smoot to honor the memory of Stephen W. Smoot and to assist primarily junior and senior nursing majors who are dedicated to mission work. Application should be made to the President of the University.

**G. ERWIN AND MAUDE ANSEL STAUFFER SCHOLARSHIP FUND** was established by Maude Ansel Stauffer of Athens, OH, to assist students majoring in Bible, Missions, or Education, or one who is an orphan or from a family serving as missionaries in a foreign country.

**A.J. AND ETHEL PUMPHREY STEPHENS SCHOLARSHIP FUND** will provide a scholarship of \$750 to four Stephens scholars named each year.

**ALVIN O. STEVENS MEMORIAL SCHOLARSHIP FUND:** Established to provide scholarship aid to full-time students who are juniors or seniors and are majoring in Bible related fields with preference given to those intending to be full-time foreign missionaries or chaplains. Applications should be made to the Bible Department Chairman.

**RALPH STIRMAN SCHOLARSHIP** was established by friends and relatives of Ralph Stirman, a member of the class of '42.

**H.J. AND MARY FLORA SUDBURY MEMORIAL WORLD EVANGELISM SCHOLARSHIP** is provided annually by H. J. Sudbury and his sons in memory of his wife to deserving students who are involved in world evangelism.

**WILMA N. ULREY COMMUNICATION SCHOLARSHIP** was established from the estate of the late Wilma M. Ulrey by her brothers and sisters in her memory. Scholarship awarded to students of junior standing, majoring in the Department of Communication. Interested students should make application to the Chairman of the Department of Communication.

**A. MICHELE WARREN SCHOLARSHIP IN NURSING** is awarded to students already admitted to the nursing major. The scholarship is based on financial need, cumulative grade point average, character, service to others, and future aspirations.

**GRACE WELLS SCHOLARSHIP FUND** was created by Miss Grace G. Wells, of Berkeley, Calif., a former student at Galloway College, for the purpose of helping worthy women to attend Harding.

**VELMA RUTH WEST SCHOLARSHIP FUND** was established by Dr. W. B. West, Jr., and friends, to honor the memory of Mrs. West by providing scholarship assistance to students showing unusual proficiency in Greek. Application should be made to the Dean of the Graduate School of Religion.

**LANNY G. WILDMAN MEMORIAL FUND** was established by the Sherman R. Wildman family of Moro, IL, in memory of their son, Lanny, who was killed June 12, 1966, in an automobile collision, to assist a Bible major.

**WITT FAMILY SCHOLARSHIP FUND** was established by Willis and Lois Witt of Houston, TX, to provide scholarship aid to deserving students.

**WYNNE SCHOLARSHIP FUND** provides, from funds received annually, scholarship aid on the basis of need to students who live within a 25-mile radius of Wynne up to a maximum of one-half the cost of tuition, fees, room and board per student per semester.

**TIMOTHY E. YATES MEMORIAL SCHOLARSHIP FUND** is available to juniors and seniors majoring in math, computer science, biological science or physical science. Student must maintain a grade point average of 3.4 in their major field and a cumulative GPA of 3.2. Applicants should contact the Dean of College of Arts and Sciences.

## LOAN FUNDS:

**SAMUEL ARRINGTON LOAN FUND** was established by Gervis J. Arrington of Stephens in memory of his grandfather.

**NEW LEAD BELT LOAN FUND**, established by Christians at Viburnum, Missouri, provides loans up to \$300 for worthy students.

**DR. GEORGE S. BENSON STUDENT LOAN FUND** was established by the faculty of Harding in honor of Dr. Benson's election as Arkansan of 1953. It provides for short term loans to undergraduate students.

**CHARLES BRADLEY MEMORIAL LOAN FUND** was established in memory of the late C. L. Bradley of Searcy.

**PHYLLIS COOKE MEMORIAL LOAN FUND** established by James R. Cooke in memory of his wife to provide help to needy home economics majors, preferably majors in dietetics and institutional management.

**CHUCK DEAN MEMORIAL LOAN FUND** was established by the family of Mr. Dean to provide financial assistance to worthy students.

**MR. AND MRS. JIM G. FERGUSON STUDENT LOAN FUND** is available to worthy students who have done satisfactory work in Harding for at least one semester and show a satisfactory scholarship need. The maximum loan is \$150 per semester. The amount loaned to any one student shall not exceed \$400.

**JAMES FERNANDEZ LOAN FUND** was established by Mr. Fernandez. Applicants must be enrolled in the Graduate School of Religion, the School of Biblical Studies, or the undergraduate program of the University majoring in Bible, Biblical Languages or Missions.

**MRS. MILDRED J. FERRELL LOAN FUND** was established by the family and friends of Mrs. Ferrell to provide assistance to worthy students.

**W. C. FRANCE STUDENT LOAN FUND** was established by Mrs. W. C. France to help needy students attend Harding. This loan is to be repaid beginning at the time the baccalaureate degree is completed or the student ceases to be a student. A small amount of interest will be charged until the loan is paid.

**C. L. GANUS LOAN FUND**, established by the late C. L. Ganus, Sr., of New Orleans, Louisiana, is a loan fund for deserving students who could not otherwise attend college. As these loans are repaid, other students make use of the fund.

**CHARLES KENNETH AND MARIE SCHELL HAMMON LOAN FUND** was established by Mrs. Charles Kenneth Hammon to enable mature, responsible students to borrow funds for school expenses and to repay the loan after graduation. Juniors and seniors may apply.

**HARDING UNIVERSITY LOAN FUND NUMBER 10** is provided anonymously by a friend of the University to help worthy students.

**LAWRENCE G. HAYS LOAN FUND** was established to assist young men majoring in Bible Missions.

**IRA B. HENTHORN STUDENT LOAN FUND** was established by a gift of stock to the University to help worthy students.

**ARTHUR E. HILLMAN BUSINESS STUDENT LOAN FUND:** Established by Arthur E. Hillman of Honolulu, Hawaii, to assist deserving business students who have been recommended by the Dean of the School of Business.

**MARY B. JACK PREACHER'S LOAN FUND** was established to provide financial assistance to young men preparing to preach the gospel.

**MR. AND MRS. LEMAN JOHNSON STUDENT LOAN FUND**, given by Mr. and Mrs. Leman Johnson of Wenatchee, Washington, is used to assist Bible majors.

**G. R. KENDALL STUDENT LOAN FUND** was established in honor of the late G. R. Kendall of Chicago, Illinois.

**H. R. KENDALL LOAN FUND** was provided by H. R. Kendall, of Chicago, Illinois, to assist students majoring in Bible and religion.

**HOWARD NOLAN LEMMONS MEMORIAL LOAN FUND** was established in 1969 in memory of Howard Lemmons.

**MRS. CECILE B. LEWIS MEMORIAL LOAN FUND** is a revolving loan fund to provide short-term loans to deserving students.

**W. P. AND BULAH LUSE OPPORTUNITY TRUST FUND** was established by Mr. and Mrs. W. P. Luse of Dallas, Texas. Funds provided by this trust are lent to pre-engineering students only.

**MONTGOMERY-SUMMIT MEMORIAL FUND** was established by members of the Education Department and other friends of Dr. Clyde R. Montgomery and Dr. W. K. Summit, prominent educators of the University.

**T. C. AND KATE McCOLLUM MORRIS MEMORIAL LOAN FUND** was established by friends and relatives of Mr. and Mrs. Morris to assist worthy students.

**NEW ORLEANS ALUMNI ASSOCIATION LOAN FUND** was established to assist needy students from Louisiana.



**DELLA NICHOLAS LOAN FUND** is available for ministerial students at the undergraduate level. This was made available by the will of the late Della Nicholas of Huntington, West Virginia.

**HAROLD D. PORTER STUDENT LOAN FUND** provides aid to a worthy student reared in a Christian orphan home.

**VERNON C. AND NORA T. PORTER LOAN FUND** was established by their children to assist needy junior and senior students with a major other than Bible or Missions, preference being given to married students.

**SIDNEY RUBY MEMORIAL LOAN FUND** was established by his wife and children in memory of Mr. Ruby, who was superintendent of schools at Atkins for many years.

**MR. AND MRS. JESSE P. SEWELL LOAN FUND** is available to capable and worthy ministerial students who have attended Harding at least one semester.

**CARL AND CECIL SHORES MEMORIAL STUDENT LOAN FUND** was established by the family of Carl and Cecil Shores, who were residents of Cave Springs, to help needy students obtain a Christian Education.

**WILLIAM WAYNE SMITH AND MARJORIE DWAYNE SMITH HARDEN MEMORIAL LOAN FUND FOR NURSING** provides loans for deserving students in nursing, priority given those planning a career in research.

**STERLING STORES, INC., STUDENT LOAN FUND** is available to deserving students who have attended Harding at least one semester, who are doing satisfactory work, and who are of good character.

**VAN STEWART MEMORIAL LOAN FUND** was established by students from Harding who worked with Van during the summer of 1973.

**STUDENT LOAN FUND** is provided to help worthy students at Harding.

**STUDENT MISSIONARY LOAN/GRANT FUND FOR SINGLE WOMEN** was established by Mr. and Mrs. James S. McDonald of Doctor's Inlet, FL, to assist single women students at Harding whose plans call for their entering mission work upon graduation. Loans will be made during the student's senior year and will be forgiven if two years are spent in mission work. Application should be made to the Bible Department.

**W. K. SUMMITT MEMORIAL FUND** was established by friends of Dr. W. K. Summitt, who had given thirty years of service to Harding at the time of his death in 1965.

**ILA TULLOSS MEMORIAL LOAN FUND** was established by the many friends of Mrs. Tulloss, who enjoyed working with the college students.

**MR. AND MRS. LEE C. UNDERWOOD LOAN FUND** was established by Dr. and Mrs. John Gill Underwood to assist needy and worthy students with preference given to students from N. W. Louisiana.

**CURTIS WALKER MEMORIAL LOAN FUND** has been established in honor of the late Curtis Walker, who was plant manager of the Searcy Sperry-Remington Industrial Corporation at the time of his death. Funds were contributed by employees at Sperry-Remington. Walker was a tireless civic worker who participated in leadership capacities in three Harding campaigns in the Searcy Community.

**ANITA WELLS LOAN FUND** was established by Miss Anita Wells of California, to provide assistance to needy students.

**AWARDS:**

**GANUS AWARDS** of \$100 each are given to the boy and girl making the highest scholastic averages at Harding during the academic year. These awards are given through the generosity of the late Mr. C. L. Ganus, Sr., of New Orleans, LA.

**WALL STREET JOURNAL MEDAL** and a one-year subscription to the publication each spring are awarded by the School of Business to the business major who has the best academic record and has been using the Wall Street Journal.

**INDEX**

Academic Advising.....	22	Bible Classes.....	24
Academic Information.....	27	Bible Class Attendance.....	24
Academic Regulations.....	32	Bible, Religion, and Philosophy, Department of.....	79
Academic Staff.....	207	Curriculum.....	84
Accounting.....		Majors.....	83
Curriculum.....	155	Suggested Programs.....	61
Major.....	153	Biblical Languages Curriculum.....	88
Suggested Program.....	160	Major.....	83
Accreditation.....	7	Biochemistry Major.....	134
ACT Test.....	31	Suggested Program.....	62
Administrative Officers.....	191	Biological Science, Department of.....	90
Administrative Staff.....	207	Curriculum.....	91
Admission.....	28	Majors.....	91
Admission Staff.....	209	Board of Trustees.....	190
Application For.....	30	Buildings.....	7-10
Freshmen.....	28	Buildings and Grounds Staffs.....	212
Junior College Graduates.....	29	Business Advisory Board.....	149
Non-High School Graduates.....	30	Business Affairs Staff.....	210
Procedures.....	30	Business Associates.....	149
Readmission.....	31	Business Education Majors.....	154
Required Fees.....	30	Suggested Programs.....	161
Special Students.....	30	Business Games.....	20
Transfer Students.....	28	Business, School of.....	145
Advanced Placement Credit.....	36	Curriculum.....	156
Advertising Art Major.....	97	Suggested Programs.....	160
Advertising Major.....	96		
Advising, Academic.....	22	Calendar, 1985-86.....	Front Cover
Advisors, Pre-Professional.....	209	Calendar, Tentative, 1986-87.....	Back Cover
Aims of the University.....	4	Camp Tahkodah.....	10
Alcohol Use Policy.....	25	Campus Security Force.....	212
Alpha Chi Honor Society.....	18	Center for Management Excellence.....	147
Alumni Association.....	23	Center for Private Enterprise Education, Belden.....	147
Alumni Field.....	8	Center for World Evangelism Studies.....	11
American Studies Major.....	112	Ceramics Major.....	77
American Studies Program.....	14, 147	Chapel Attendance.....	24, 32
Anthropology Curriculum.....	142	Chemistry Curriculum.....	135
Application for Admission.....	30	Majors.....	134
Application for Aid.....	55	Suggested Program.....	62-63
Applied Office Science Degree.....	155	Chi Delta Epsilon.....	148
Suggested Program.....	160	Child Development Major.....	116
Art, Department of.....	76	Suggested Program.....	64
Curriculum.....	77	Choral Groups.....	18-19
Majors.....	76	Christian Life.....	17
Suggested Programs.....	60	Church Attendance.....	25
Associate of Arts Degree.....	147, 155	Class Attendance.....	32
Athletic Fields.....	8-10	Class Changes.....	32
Athletics.....	20	Class Drops.....	2
Athletic Staff.....	209	Classification of Students.....	31
Attendance, Class and Chapel.....	24	CLEP Credit.....	36
Auxiliary Enterprises Managers.....	211	Clubs, Social.....	21
Awards.....	220	College of Arts and Sciences.....	58
		Suggested Programs.....	9-75
Bachelor of: Arts Degree.....	39, 146	Committees, Faculty, 1984-85.....	205
Business Admin. Degree.....	146, 153	Communication Activities.....	19
Fine Arts Degree.....	77	Communication, Department of.....	93
Music Degree.....	126	Curriculum.....	96
Music Education Degree.....	126	Major.....	94
Science Degree.....	38	Communication Disorders Curriculum.....	98
Science in Medical Technology Degree.....	123	Major.....	95
Science in Nursing Degree.....	188	Suggested Program.....	63
Social Work Degree.....	141	Compliance Statement.....	4
Bands.....	19	Computer Center.....	10, 11

## 1985-1986 Harding University Catalog

<p>Computer Center Staff .....210            Computer Facilities ..... 11, 148            Computer Information Systems              Curriculum .....158              Major .....154              Suggested Program .....162            Computer Science Curriculum .....120              Major .....119              Suggested Program .....64            Cooperative Education ..... 15, 100            Correspondence Credit .....37            Counseling Center .....22            Course Load .....35            Courses of Instruction .....56            Credit, Advanced Placement .....36            Credit by Examination .....38            Cultural Opportunities .....17            Curriculum Laboratory .....11            Curriculum, Organization of .....41              Dactylogy Club .....17            Data Processing              Management Association .....148            Dean's List .....34            Debate, Intercollegiate .....19            Deferred Payments .....48            Degree Requirements .....39            Degrees Granted .....38            Delta Mu Delta .....150            Department Chairmen .....208            Development Staff .....212            Dietetics Major .....116              Suggested Program .....64            Directory of Personnel .....189            Dishonesty .....25            Drama Activities .....20            Early Admissions Program .....31            Economics Curriculum .....158              Major .....154              Suggested Program .....162            Economics Team .....147            Education, Elementary, Major .....172              Suggested Programs .....176            Education, School of .....166              Curriculum .....173              Majors .....172              Suggested Programs .....176            Education, Secondary, Major .....172              Suggested Program .....177            Education, Special, Major .....173              Suggested Program .....178            Educational Media Center .....12            Educational Opportunity Grants .....53            Endowment Funds .....215            English, Department of .....101              Curriculum .....102              Major .....102            English Proficiency Requirements .....40            Examinations (See Tests) .....26            Exemption Tests .....37            Expenses              General .....45              General Policies .....49              Graduate School .....46              Part-Time Students .....48              Refunds .....48              Required Fees .....50              Room and Board .....45</p>	<p>Special Fees .....46            Summer Session .....50            Tuition .....46            Extracurricular Activities .....18              Faculty              Academy, 1984-85 .....202              University 1984-85 .....191              Committees 1984-85 .....205              Emeriti .....202            Fashion Merchandising Major .....116              Suggested Program .....65            Fees, Special .....46-48            Finances (See Expenses)            Financial Aid .....50              Applications .....55              Staff .....210            Financial Information .....44            Financial Responsibilities .....26            Florence, Italy, Program .....14            Food Merchandising Major .....116              Suggested Program .....65            Foreign Languages, Department of .....104            Forensics .....19            French Curriculum .....106              Major .....105              General Education Program .....41, 59              Junior College Graduates .....29            General Regulations .....24            General Science Program Majors .....109            Geography Curriculum .....112            German Curriculum .....107            Grades .....33            Graduate Council .....213            Graduate School of Religion .....39, 80            Graduate Studies .....39, 169            Grants, Government .....53            Greek Curriculum .....88            Guaranteed Student Loans .....53              Harding Business Games .....149            Harding University in Florence .....14, 110            Health Education Curriculum .....131            Health Services .....23            Hebrew Curriculum .....89            History of University .....5            History Curriculum .....112              Major .....111            History and Social Science,              Department of .....110            Home Economics, Department of .....115              Curriculum .....117              Majors .....115              Suggested Programs .....64-67            Honor and Honor Points .....34            Honor Societies .....18            HOPE .....15, 83            Housing Regulations .....26            HUF Program .....14, 110              Institutional Testing Program .....22            Instrumental Major .....126            Intercollegiate Business Gaming .....20, 147            Interior Design Major .....116              Suggested Program .....66            International Studies              Curriculum .....108</p>	<p>Major .....105            Intercession .....50            Italian Curriculum .....107              Journalism Facilities .....12            Journalism Major .....96            JOY Club Meeting .....17            Junior College Curriculum .....29            Junior College Graduates .....29              KHCA .....20            Kindergarten Certification .....172            Kindergarten Courses .....173              Laboratories              Business .....11              Communication .....11              Curriculum .....11              Home Economics .....12              Journalism .....12              Language .....12              Psychology .....22              Science .....13            Languages, Biblical, Curriculum .....88              Major .....83            Late Enrollment .....32            Lectureship .....17            Library, Beaumont Memorial .....11            Library Science .....67            Library Staff .....213            Loan Funds .....219            Loans .....53            Location of University .....6            Lyceum Series .....17            Lying .....25              Maintenance Staff .....212            Major and Minor Fields .....43            Majors Offered .....58            Management Curriculum .....159              Major .....154              Suggested Program .....163            Management Seminar .....148            Marketing Club .....148            Marketing Curriculum .....160              Major .....154              Suggested Program .....163            Marriages, Student .....25            Mass Communication Curriculum .....99              Majors .....95            Master of Education Degree .....39            Master of Science in Accounting .....146, 150              Admission Requirements .....151              Curriculum .....156              Degree Requirements .....152              Suggested Program .....164            Master of Science in Education .....39            Mathematics and Computer Science,              Department of .....119            Mathematics Curriculum .....122              Major .....120            Mathematics Education Major .....120            Medical Technology .....123            Ministry Major .....84            Missionary Training .....15            Mission/Prepare Internship .....82            Missions Curriculum .....89              Major .....83</p>
		<p>Suggested Program .....62            Mission Study .....17            Moral Conduct .....25            Music, Department of .....124              Applied Courses .....128              Curriculum .....127              Majors .....126            Music Education Major .....126              Suggested Program .....68            Music Organizations .....18              National Direct Student Loan .....53            National Teacher Examinations .....168            Non-Resident Students .....26            Nursing Curriculum .....183              Major .....182              Suggested Programs .....186            Nursing Program .....179              Admission .....180              Challenge Examinations .....182              Expenses, Additional .....182              Honor Society,                Sigma Theta Tau .....182            Nursing, School of .....179            Nursing Student Loan .....53              Office Systems Major .....154              Suggested Program .....163            Officers of Administration .....191            Oral Communication Curriculum .....96              Major .....94              Painting Major .....77            Part-Time Students .....32, 48            Pell Grants .....53            Phi Beta Lambda .....148            Philosophy Curriculum .....90            Physical Education, Department of .....129              Curriculum .....131              Major .....130            Physical Science, Department of .....134              Curriculum .....136            Physics Curriculum .....136              Major .....135              Suggested Program .....68            Piano Major .....126            Pi Gamma Psi .....148            Placement Services .....22            Political Science Curriculum .....113              Major .....111            Preagriculture .....68            Prearchitecture .....69            Prechiropactic .....69            Predentistry .....69            Pre-engineering .....70            Prelaw .....71            Premedical Technology .....71            Premedicine .....72            Prenursing .....186            Preoptometry .....73            Prepharmacy .....73            Prephysical Therapy .....74            Preprofessional Advisors .....209            Preveterinary Science .....75            Print Journalism Major .....96            Probation, Academic .....34            Psychology, Department of .....138              Curriculum .....138</p>

Majors.....	138	Statutes of Limitation .....	39
Public Administration Major .....	112	String Instrument Major .....	126
Publications, Student .....	19	Student Association .....	21
Public Relations Staff .....	213	Student Life.....	16
Public Relations Major .....	96	Student Organizations.....	18
Purposes of University .....	4	Student Personnel Staff .....	214
Radio-Television Major.....	96	Student Publications .....	19
Readmission Procedures .....	31	Student Teaching, Supervised .....	170
Recreation Curriculum .....	133	Student Work .....	53
Recreational Facilities .....	13	Studios, Art.....	11
Refunds.....	48	Studios, Music .....	12
Regulations, General.....	24	Study Abroad.....	105
Religion (see Bible)		Summer Session.....	50
Religious Education Major.....	83	Teacher Education Program .....	166
Religious Music Major.....	126	Aims .....	167
Religious Opportunities .....	17	Admission .....	169
Repeat Courses .....	35	Basic Beliefs .....	168
Reports and Grades .....	33	Curricula .....	172
Requirements for Degree .....	39	General Education Requirements .....	169
Research Center, R. T. Clark.....	13	Graduate Studies .....	169
Research Program Staff .....	214	Organization .....	169
Room and Board.....	45	Overview of Program .....	166
Room Reservations .....	30	Scope and Limitations .....	167
Satisfactory Academic Progress .....	55	Supervised Teaching Semester .....	169,172
Scholarships .....	51-52	Teaching, Suggested Program.....	75
Academic .....	51	Testing Office .....	22
Athletic.....	52	Tests	
Departmental.....	52	Academic .....	32
Funds .....	216	ACT .....	31
Leadership .....	52	CLEP .....	36
Trustee .....	52	English Proficiency .....	40
Scholarship Levels .....	34	Entrance.....	31
School of Biblical Studies .....	81	Exemption .....	37
Transfer Policy .....	81	NTE .....	168
School of Business.....	145	Senior .....	168
Suggested Programs .....	160	Validation.....	38
School of Education .....	166	Theater Curriculum.....	97
Suggested Programs .....	176	Major.....	95
School of Nursing .....	179	Theater Management Major.....	95
Suggested Programs .....	186	Thirteen-in-One Workshop .....	17
Secondary Education Major .....	172	Timothy Club .....	17, 83
Suggested Program .....	177	Tobacco Use Policies.....	25
Semester Hour, Definition of .....	33	Transcripts .....	31
SEOG .....	53	Transfer from Schools of Preaching .....	81
Services Provided .....	22	Transfer Policies .....	35
Sexual Immorality .....	25	Transient Credit .....	29
Social Clubs.....	21	Tuition and Fees .....	46
Social Science Curriculum .....	114	Uplift .....	17
Major.....	111	Upper Level Substitutes.....	42
Social Work Curriculum .....	142	Veterans .....	54
Major.....	142	Vocal/Choral Major .....	126
Suggested Program .....	75	Vocational Home Economics Major.....	117
Society for Advancement .....	148	Suggested Program .....	67
of Management.....	148	Vocational Rehabilitation .....	54
Sociology and Social Work,		Voice Major.....	126
Department of .....	140	Work on Campus.....	53
Curriculum .....	143	Writing Proficiency .....	40
Majors.....	140	Youth Ministry Major .....	84
Spanish Curriculum .....	107		
Major.....	105		
Special Education Major .....	173		
Suggested Program .....	178		
Special Programs .....	14, 147		
Special Students.....	30		
Special Teaching Aids .....	10		
Sports Management Major.....	131		

**FALL SEMESTER — 1986**

President's Reception for Faculty.....	4:00-6:00 p.m., Aug. 21
Faculty Conference at Camp Tahkodah .....	10:00 a.m.-9:00 p.m., Aug. 22
CLEP Tests(Institutional)(except English Composition & Essay) .....	7:30 a.m., Aug. 25
Registration for all students .....	9:00 a.m.-4:00 p.m., Aug. 25-27
Assembly for all upperclassmen NOT preregistered .....	1:00 p.m., Aug. 25
ACT Test (required if ACT has not been taken) .....	1:00 p.m., Aug. 25
Academic advising for upperclassmen.....	1:00 p.m., Aug. 25 - 11:00 a.m., Aug. 26
Assembly for freshmen NOT at early orientation .....	8:30 a.m. & 12:45 p.m., Aug. 26
Academic advising for freshmen .....	1:15 p.m. Aug. 26-11:00 a.m. Aug. 27
Classes begin on regular schedule .....	8:00 a.m., Aug. 28
Final date for enrolling for fall semester .....	Sept. 15
CLEP Tests (National)(except English Composition & Essay).....	7:30 a.m., Sept. 18
Final date for application for degree on Dec. 19 .....	Sept. 19
Lectureship .....	Oct. 5-8
Graduate Management Admissions Test .....	8:00 a.m., Oct. 18
Alumni Day and Homecoming .....	To Be Arranged
Thanksgiving recess .....	5:00 p.m., Nov. 26 to 8:00 a.m., Dec. 1
Dead week .....	Dec. 10-12
Final examinations .....	Dec. 13-18
Graduation exercises.....	10:00 a.m., Dec. 19
Christmas recess.....	12:00 noon Dec. 19, to 8:00 a.m., Jan.5, 1987

**SPRING SEMESTER — 1987**

Orientation of new students — freshmen and transfers.....	9:00-10:00 a.m., Jan. 5
Registration for all students .....	9:00 a.m.-4:00 p.m., Jan 5-7
Assembly for all students NOT preregistered .....	1:00 p.m., Jan. 5
Academic advising for all students .....	1:30-4:00 p.m., Jan. 5
Classes begin on regular schedule.....	8:00 a.m., Jan. 8
CLEP Tests (National & Institutional) .....	7:30 a.m., Jan. 15
Graduate Management Admissions Test .....	8:00 a.m., Jan. 24
Final date for enrolling for spring semester .....	Jan. 26
Final date for application for degree on May 10.....	Feb. 6
Spring recess .....	5:00 p.m., March 6 to 8:00 a.m. March 16
Supervised teaching .....	March 10 - May 9
CLEP Tests (National Only) .....	April 16
Youth Forum and Spring Sing.....	April 17 - 18
Dead week.....	April 29 - May 2
Final examinations.....	May 4 - 8
Graduation exercises .....	2:30 p.m., May 10

**SUMMER TERM — 1987**

Interession .....	May 11-27
Orientation of new students - freshmen and transfers .....	8:30-9:30 a.m., June 8
Assembly of students NOT preregistered .....	9:30 a.m., June 8
Academic advising for all students.....	10:00-11:30 a.m., June 8
Registration for all students .....	9:00 a.m.-4:00 p.m., June 8
Classes begin, First Session .....	7:30 a.m., June 9
Final date for enrolling for First Session .....	June 15
Final examinations, First Session .....	July 9-10
Classes begin, Second Session .....	7:30 a.m., July 13
Final date for application for degree on August 14 .....	July 14
Final date for enrolling for Second Session .....	July 20
Summer's End Session .....	July 29-Aug. 14
Final examinations, Second Session .....	Aug. 13-14
Graduation exercises.....	10:30 a.m., Aug. 14
CLEP Tests(Institutional)(given at Early Orientation Sessions) .....	To Be Arranged

(English Composition & Essay given only at First Early Orientation Session)