

1945

# Harding College Course Catalog 1945-1946

Harding College

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*Claudia Rosenbaum*

1945-1946 Harding College Catalog

Bulletin  
**HARDING  
COLLEGE**



CATALOG NUMBER  
**1945-1946**

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FOR

The Session Of  
1945-1946

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Volume XXI — June, 1945 - No.1

Published twice monthly by Harding College, Searcy, Ark. Entered as second-class mail matter at the post-office at Searcy, Arkansas, under Act of August 24, 1912. Accepted for mailing at the special rate provided for in section 1103, 1917.

**CALENDAR**

1945-1946

**FALL TERM**

September 17 .....	Freshman Placement Tests
September 17, 18 .....	Registration of Upper Classmen
September 18, 19 .....	Freshman Registration
September 19, 10:00 a. m. ....	Opening Chapel
September 21 .....	President's Reception for Faculty Members
September 22 — 8 p. m. ....	Faculty-Student Reception
November 18-22 .....	Thanksgiving Lectures
December 1 .....	Enrollment for Winter Quarter
December 6, 7 .....	Fall Term Examinations

**WINTER TERM**

December 10 .....	Class Work Begins
December 21-31 .....	Christmas Holidays
January 1 .....	Class Work Resumed
March 2 .....	Enrollment for Spring Term
March 7, 8 .....	Winter Term Examinations

**SPRING TERM**

March 11 .....	Class Work Begins
April 10 .....	Annual Track and Field Day
April 19 .....	Harding-Armstrong Memorial Day
May 25—8 p. m. ....	President's Reception for Seniors
May 26—8 p. m. ....	Baccalaureate Address
May 28, 29 .....	Final Examinations
May 29 .....	Annual Homecoming Day
May 30—10 a. m. ....	Commencement Exercises

**SUMMER TERM**

June 3 .....	Registration and Class Work
July 4 .....	Holiday
→ July 6 .....	Mid-Term Examinations
August 10 .....	Final Examinations

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## Officers of Administration and Instruction

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PRESIDENT

B.S., Oklahoma A. and M. College, Stillwater, 1925; B.A., Harding College, 1926; M.A., Chicago University, 1931; LL.D., Harding College, 1932. Professor of History, Harding College, 1924-25; Lecturer on Oriental History and Religions, 1931-32; Head of Chinese Missions, Canton, China, eleven years. Present position since 1936.

LLOYD CLINE SEARS, B.A., M.A., Ph.D.  
DEAN.

*Professor of English Language and Literature.*

B.A., Cordell Christian College, 1916; B.A., University of Oklahoma, 1919; M.A., University of Kansas, 1921; Ph.D., University of Chicago, 1935; Fellow in English, University of Kansas, 1920-21; Dean and Professor of English, Harper College, 1918-24; Instructor in English, University of Chicago, 1928-29. Present position since 1924.

WILLIAM KNOX SUMMITT, B.A., M.A., Ph.D.  
REGISTRAR.

*Professor of Education, Director of Training School.*

B.A., Union University, 1925; M.A., Peabody College, 1928; Ph.D., University of Missouri, 1933; Research Secretary and part time Instructor, University of Louisville, 1930-31; Survey Department of the University of Missouri, 1932. Present position 1932-38 and since 1940.

WOODSON HARDING ARMSTRONG, B.A.  
DEAN EMERITUS OF WOMEN.

*Professor of Speech.*

B.A., David Lipscomb College, 1915; B.A., Harding College, 1932; Instructor in Expression, Western Bible and Literary College, 1905-1907; Dean of Women and Instructor in Expression, Cordell Christian College, 1908-18; Dean of Women, Harper College, 1919-24; Dean of Women and Professor of Speech, Harding College, 1925-39. Present position since 1939.

FLORENCE M. CATHCART, B.A.

DEAN OF WOMEN.

*Associate Professor of Elementary Education.*

B.A., Harding College, 1932; special work in Kansas State Teachers' College, Friends University, and Southwestern College (Winfield). Instructor in Primary Education, Harding College, since 1925. Present position since 1939.

FOUNT WILLIAM MATTOX, B.A., M.A.

DEAN OF MEN.

*Associate Professor of Bible.*

B.A., Central State Teachers' College, Edmund, Oklahoma, 1934; M.A., University of Oklahoma, 1940; Instructor in Social Sciences, George Pepperdine College, 1941-42. Present position since 1942.

ANNA MAE ALSTON, B.A., B.S. in L.S.

*Assistant Professor in English.*

B.A., Harding College, 1939; B.S., in L.S., George Peabody College, 1943; Instructor of English, Gibson, Tennessee, 1939-41; Instructor of English and Librarian, West Memphis High School, 1941-44. Present position since 1944.

FRANCES AULD, B.A., B.L.S.

*Instructor in Library Science.*

B.A., Lander College, Greenwood, S. C., 1921; B.L.S., Pratt Institute, Brooklyn, 1935. Instructor, Grove Park School for Girls, Ashville, N. C., five years; Director of Classification and Cataloging, Sondley Reference Library, Ashville, N. C., four years; Head of Reference Department Park Memorial Public Library, three years; Director White County Library, 1942-44. Present position since 1944.

JAMES D. BALES, B.A., M.A.

*Associate Professor of Bible.*

B.A., Harding College, 1937; M.A., George Peabody College, 1938; work toward B. Paed., Ontario College of Education, 1939-40; work toward Ph.D., University of California, 1940-44. Present position since 1944.

SAMUEL ALBERT BELL, B.S., (M.S.)

*Associate Professor of Biological Sciences and Bible.*

B.S., Potter Bible College, 1905; twenty-seven hours and an approved thesis toward M.S., University of Oklahoma; graduate work, University of Kansas, summer 1924. Instructor in Mathematics, Western Bible and Literary College, 1908-10; Professor in Science and Mathematics, Cordell Christian College, 1910-18. Present position since 1924.

THELMA DUMAS BELL, B.S., M.S.

*Professor of Home Economics.*

B.S., Texas State Teachers' College, 1930; M.S., Texas State College for Women, 1935; Instructor in Texas high schools, ten years; Director Nursery School work in Texas, two years. Work toward Ph.D., University of Chicago summers 1938, 1939, 1940, and year 1939-40, 1942-44; Present position since 1937.

ERVIN BERRYHILL, B.A., M.A.

*Director of Physical Education.*

B.A., Harding College, 1934; M.A., George Peabody College, 1937; Instructor in History and Coach, David Lipscomb College, 1934-37. Director of Physical Education, Harding College, 1937-40. Work toward Ph.D., George Peabody College, 1940-41; Instructor in George Peabody College, 1942-43. (On Leave).

C. D. BROWN

BURSAR.

Present position since 1936.

WILLIAM LESLIE BURKE, B.A.

*Assistant Professor of Greek and German.*

B.A., Harding College, 1937; Advanced work Northwestern University summer, 1945. Student assistant in Greek, Harding College, 1935-37; Superintendent of Schools Norfolk, 1940-41. Present position since 1944.

MATTHEW D. CHRONIC.

*Director of Band and Orchestra.*

Student of Hans Hoop, Hamburg, Germany; O. H. De La Martin, De La Martin University, Paris; Giela Oleti, Melando, Italy. Trombonist

with the Sousa Band, and with the Marine Band. Director of Bands and Orchestra, Missouri Public Schools fourteen years. Present position since 1944.

**NEIL B. COPE, B.A., M.A.**

*Professor of Journalism and Assistant to the President.*

B.A., Harding College, 1934; M.A., Louisiana State University, 1935; Graduate work toward Ph.D., Tulane University, summer 1935; Harvard University, summer 1936; University of Louisiana, summer 1938. Present position since 1936.

**C. F. DAVIDSON, B.A.**

*Director of Research.*

B.A., Yale University, 1932. Statistician, Fiduciary Counsel, Inc., N. Y., 1933-35; Senior Statistician, Argus Research, Inc., N. Y., 1935-37; Economist, Wm. H. Combs & Co., N. Y., 1938-40; Economist, Glorie, Forgan & Co., N. Y., 1941; Economist, Fiduciary Counsel, Inc., N. Y., 1942. Present position since 1942.

**JOHN LEE DYKES, B.A., M.S.**

*Professor of Mathematics.*

B.A., Abilene Christian College, 1929; M.S., Oklahoma A. and M. College, 1932. Work toward Ph.D., Oklahoma University, 1933; University of Colorado, 1936; George Peabody College, 1937. Instructor in secondary schools and in Cordell Christian College, 1927-28, 1929-30. Professor of Mathematics, Oklahoma Christian College, 1930-31; Panhandle A. and M. College, 1933-38. Present position since 1939.

**WILLIAM DOUGLAS GUNSELMAN, B.A., M.A.**

*Principal, Elementary Training School.*

B.A., Harding College, 1942; M.A., George Peabody College, 1943. Principal, Elementary School, Lawrenceburg, Tennessee, 1940. Present position since 1944.

**WARD K. HALBERT**

*Assistant to the President.*

Reporter for the Tulsa World, 1914-17; for the Tulsa Tribune, 1919-22; for National Petroleum News, Cleveland, 1922-29; Managing Editor, Irving-Cloud Publishing Company, Chicago, 1929-32; Editor,

Harding University

Shaw Publishing Company, Chicago, 1933-35; Editorial writer, Oil Trade Journal, New York, 1936-41. Present position since 1942.

**FLORENCE FLETCHER JEWELL, B.Mus.**

*Instructor in Voice and Musical Theory.*

B.Mus., Murray State Teachers' College (Kentucky), 1938; Graduate work, University of Michigan, summer 1939; instructor in voice and piano, private studios, since 1934. Present position since 1938.

**KENNETH N. KIRBY, B.A., M.A.**

*Professor of Modern Language and Literature.*

B.A., Abilene Christian College, 1938; M.A., Vanderbilt University, 1942. Private instructor in Spanish and French, 1938-41. Study in Mexico City, summer 1939. Present position since 1943.

**LEONARD KIRK, B.A., B.S.**

*Instructor in Music Education, Theory, History, and Vocal Ensembles, Head of Music Department.*

B.A., Harding College, 1929; George Peabody College, 1929-31; B.S., 1931; Public School Music in Knoxville City Schools, 1931-35; Supervisor of Music, Resettlement Administration, Cumberland Homesteads, Crossville, Tennessee, 1936-38; State of Tennessee, Department of Institutions and Public Welfare, 1938. Present position since 1938.

**MRS. B. L. OLIVER, B.A.**

*Instructor in Piano.*

B.A., Galloway College, 1926; student of Maurice Aronson, Chicago Musical College; Student of Edgar Brazelton, Chicago Conservatory of Music. Instructor in Piano, private studio, Searcy, eighteen years.

**INEZ MERITA PICKENS**

*Instructor in Third and Fourth Grades.*

Student, University of Oklahoma, 1916-18. Instructor in public schools of Oklahoma.

**JOSEPH E. PRYOR, B.A., B.S., M.A., Ph.D.**

*Professor of Physical Sciences.*

B.A., B.S., Harding College, 1937; M.A., University of Louisiana, 1939; Ph.D., University of Louisiana, 1942, Teaching Fellow in Mathe-

Office of the Provost

**RUTH BETTY LANGFORD, B.A., M.A., M.F.A.**

*Instructor in Art.*

B.A., Harding College, 1940; M.A., Iowa State University, 1941; M.F.A., Iowa State University, 1942. Present position since 1942.



atics, University of Louisiana, 1937-38; Teaching Fellow in chemistry, 1939-41; Graduate Assistant, summer 1941; Charles Edward Coats Memorial Fellow, 1941-42; Instructor in mathematics, University of Louisiana, 1943-44. Present position since 1944.

**L. E. PRYOR, B.A., M.S.**

*Associate Professor of Social Sciences and Education.*

B.A., University of Chattanooga, 1923; M.S., University of Arkansas, 1933. Instructor and principal in high schools 1923-24, 1927-32. Present position since 1932.

**B. FRANK RHODES, B.A., M.A.**

*Professor of Social Sciences.*

B.A., Potter Bible College, 1904; advanced work in University of Kansas, 1905; M.A., University of Oklahoma, 1920; Professor of History, Western Bible and Literary College, two years; Cordell Christian College, four years; Thorp Springs Christian College, five years; Harper College, five years; Abilene Christian College, one year; work toward Ph.D., University of Texas, summer 1925, 1926. Present position since 1924.

**FRANK RHODES, Jr., B.A., M.A., Ph.D.**

*Professor of Social Sciences.*

B.A., Harding College, 1935; M.A., George Peabody College, 1937; Ph.D., University of California, 1943. Instructor in high school, Alma, Arkansas, 1935-36; in Monroe, Louisiana, 1937-38. Present position since 1943.

**HUGH HARVELY RHODES, B.A., M.A.**

*Associate Professor of Physical Education.*

B.A., Harding College, 1940; M.A., George Peabody College, 1943; work toward Ph.D., Peabody, 1943; Instructor in Physical Education, Harding College, 1940-41; In the Denver public schools, 1941-42; Instructor in Physical Education, George Peabody College, 1943-44. Director in summer camps, 1944. Present position since 1944.

**JESS LYNN RHODES, B.A., M.B.A.**

*Professor of Business Administration*

B.A., Harding College, 1939; M.B.A., University of Oklahoma, 1940; candidate for C.P.A., 1945; Assistant in Business Administration,

Harding College, 1938-39. Accountant for business firms, 1940-44. Present position since 1944.

**JUANITA RHODES, B.A.**

*English and Business, Secondary Training School.*

B.A., Harding College, 1933; correspondence work Abilene Christian College, Abilene, Texas, 1937-38; work in Business Administration, Harding College, 1938-39. Present position since 1939.

**NORMA RUTH MOSER RHODES, B.A.**

*Instructor in Business Administration.*

B.A., Abilene Christian College, 1943. Present position since 1944.

**VIVIAN ROBBINS, B.A., B.F.A., M.A.**

*Associate Professor of Speech; Instructor in Dramatic Arts.*

B.A., Phillips University; B.F.A., Phillips University; M.A., Northwestern University, 1940. Instructor of Dramatic Arts, Enid, (Oklahoma) Public Schools six years. Present position since 1943.

**CATHARINE SCORE, B.L.S.**

*Librarian.*

Graduate, Daichmann Library School, Osla, Norway. Librarian, Galloway College, 1923-30. Present position since 1934.

**JACK WOOD SEARS, B.S., M.S., Ph.D.**

*Professor of Biological Sciences.*

B.S., Harding College, 1940; M.S., University of Texas, 1942; Ph.D., University of Texas, 1944. Assistant in Biological Sciences, Harding College, 1938-40; Graduate Assistant in Biological Sciences, University of Texas, 1940-44; Instructor in Biological Sciences, University of Texas, 1944-45.

**PATTIE HATHAWAY SEARS, B.A.**

*Instructor in First and Second Grades.*

Graduate of Harper College, 1924. Special work Harding College, 1927-40; Dietitian, Harding College, 1929-38; B.A., Harding College, 1940. Present position since 1939.

**EMMETT RAY STAPLETON, B.A., M.C.E.**

*Professor in Business Administration.*

B.A., Harding College, 1932; M.C.E., University of Oklahoma, 1941; work toward Ph.D., University of Iowa and University of Oklahoma, 1944-45. Graduate Tyler Commercial College; five years experience in business offices; Superintendent of schools, 1938-39; Instructor in Business Administration, Harding College, 1928-36. Present position since 1939. (On Leave).

**RUBY LOWERY STAPLETON, B.A., M.A.**

*Associate Professor of English.*

*Secretary of Alumni, and Ex-Student Association.*

B.A., Harding College; 1926; M.A., University of Oklahoma, 1931; Instructor in English, Harding College, 1926-27; Publisher, Davenport (Neb.) Journal; Instructor in English, Rockport, Mo., 1929-30; at Maud, Oklahoma, 1931-32. Work toward Ph.D., University of Oklahoma summer, 1940, 1945; University of Iowa, 1944. Present position since 1939. (On Leave).

**SARA STUBBLEFIELD, B.A.**

*Instructor in Third and Fourth Grades.*

B.A., Harding College, 1945.

**MRS. R. A. WARD, B.M.**

*Instructor in Piano and Violin.*

B.M., Cincinnati Conservatory of Music in Violin; graduate and postgraduate in piano. Studied in Chautauqua, N. Y.; The American Conservatory of Music, Chicago; Chicago Musical College. Student of Theodore Bohlmann, P. A. Tirindelli, Julius Sturm, Jean ten Have, Jacques Gordon, Victor Kuzdo, Leopold Auer, and others. Head of Music Department, Galloway College, three years; Violin Department, fifteen years. Private studio twenty-three years. Life membership, Arkansas State Music Teachers Association. Head of Violin Department, Harding College since 1937 and of Piano since 1943.

**A SUGGESTION — BEQUEST**

Realizing the vital need of Christian training for young men and women, and knowing that many would like to share in providing such training and in helping to meet an expense which is too heavy for the student to bear alone, we offer the following suggestions:

I. If your heart moves you to become one of the builders of Harding College, you might provide either by direct gift or by bequest a fund to go toward the construction of some needed building—a new gymnasium, a library, a dormitory, or a larger auditorium.

II. If you would become one of the endowers of Harding College to put its vital service and Christian training on a permanent and solid basis beyond all danger of loss, you might establish by direct gift or by bequest a fund to be safely invested and held intact forever, whose interest may be used for the support of the school or of some particular department in it.

Such endowment gifts may be in the form of lands or other properties, bonds, stocks, or other securities. Donors, if they desire, may consult the President of the college or the President of the Board as to the best form in which to make the gift, or may suggest conditions which will safeguard its use for the purpose for which it is given.

III. For bequests a competent lawyer may be consulted or the following paragraph may be inserted in your will:

I hereby give, devise, and bequeath to Harding College, a corporation existing under the laws of the State of Arkansas and located in the city of Searcy in said State ..... Dollars  
(or the following real estate or other properties .....),  
to be used as the Board of Trustees of said College shall judge to be to the best interest of the institution.

—OR—

I hereby give, devise, or bequeath to Harding College, a corporation existing under the laws of the State of Arkansas and located in the city of Searcy in said State ..... Dollars  
(or the following real estate or other properties .....).  
to be used for the following purposes, that is to say: (Here specify in detail the purpose or purposes.)

APPLICATION FOR ENTRANCE

(Detach and Mail to the Dean of Harding College)

Name .....

Address ..... (City) (State)

Street or Route ..... Age .....

Parent or Guardian .....

For what year of work are you ready? .....

Underscore the following in which you have had some training or experience; underline twice those in which you have had considerable experience: piano, voice, violin, band, orchestra, public speaking, debating, dramatics, basketball, baseball, tennis, track, wrestling, school publications, others

.....

Check the courses which you plan to pursue: Work toward

B.A. degree? ..... B.S.? ..... B.M.? ..... B.L.S.? .....

Specializing in what department? .....

Pre-medical course? ..... Pre-law? ..... Pre-engineering? .....

Other professions? .....

.....

Teaching? .....; In high schools? ..... What subjects? .....

..... In junior high? .....

In upper grades? ..... In primary? .....

What priced room do you desire? .....

Shall we select it for you? ..... If not, please give at least three choices of room .....

Have you a room-mate selected? ..... If so, whom? .....

Shall we reserve your room for you? ..... If so, please enclose room deposit of \$5.00.

List below the courses you wish to take during the fall quarter, including fine arts courses, and the extra-curricular activities in which you wish to engage.

COURSES AND ACTIVITIES DESIRED

.....

## GENERAL INFORMATION

### HISTORY

Harding College, Searcy, Arkansas, is the result of rapid college growth and the consolidation of Arkansas Christian College of Morrilton and Harper College of Harper, Kansas.

Harper College was founded in 1915. In the nine years of its work it had increased in enrollment from fifty to over three hundred students, and had secured full junior college standing with the state and membership in the American Association of Junior Colleges. But the lack of adequate buildings and the fact that the location was outside the center of support impeded further progress. Arkansas Christian College had been started in 1922 and had partly completed an excellent administration building.

By combining the two colleges with all their resources, the resulting institution was able to open in 1924 as a standard senior college. Its enrollment in the next ten years outgrew the college plant. Students were enrolled from twenty-five states, three provinces of Canada, and Old Mexico. Dormitories were filled and an equal number were crowded into private homes in town, while classrooms became inadequate to accommodate the necessary number of classes.

In this emergency the Galloway College plant at Searcy became available through the consolidation of the three Methodist colleges in the state. The plant, appraised at over \$500,000, was three times as large as that at Morrilton and offered the necessary room for a normal healthy growth. The location was equal in almost every respect, and even superior in many ways. It was therefore decided by the Board of Trustees to purchase the Searcy plant for the establishment of Harding College, Searcy, Arkansas.

### NAME

The name "Harding College" was given to the institution in memory of James A. Harding. It was considered a fitting tribute to the life of a great man, who had probably done more for Christian education, and had given more enthusiasm and impetus to the work than any other man of the century. It is similar to the honor paid to his great co-laborer by David Lipscomb College of Nashville, Tennessee. These two schools now stand as monuments to the memory of the two great friends who gave the most to such work and to whom the church of the past fifty years owes the largest debt.

### THE PURPOSE

#### CHARACTER AND IDEALS

Harding College and its sister schools are the outgrowth of the far-reaching vision of James A. Harding and David Lipscomb, who saw a need in the education of youth that was not being supplied by the already established institutions of learning.

The supreme purpose of the college is to build men and women of character. But a vital element of genuine character is the religious and moral nature. Hence Harding College teaches the Bible as the most effective means of cultivating the moral and spiritual nature. It is designed, as these founders expressed it, "to teach the Bible as the revealed will of God to man, as the only and sufficient rule of faith and practice, and to train those who attended in pure Biblical Christianity." Or, as it is expressed in the deed holding the property: "The property shall be used for maintaining a school in which, in addition to other branches of learning, the Bible as the recorded will of God and the only standard of faith and practice in religion shall be taught as a regular daily study to all who shall attend said school."

Harding College is, therefore, a new type of school. Other groups of religionists have established splendid institutions

of learning in which they maintain Bible departments, or theological courses, for the training of young ministers, but this daily teaching of the Word of God, the naked Book, as the Word of God, not to a class of preachers only, but to every student in attendance is unique. The teachers of the Bible at Harding College studiously and conscientiously steer clear of sectarianism or denominationism.

“What has God said?” is the thing stressed at Harding College. Each individual heart is then largely left to discover God’s meaning for himself.

The founders believe we are living in God’s world and that we cannot live rightly in His world except as we live in harmony with His will and purpose. They believe the Bible to be His expressed will. Hence the college proposes and undertakes to develop both the heart and the mind. While striving to maintain academic work of a very high quality, the institution also teaches the Bible to every student.

#### GENERAL AND PROFESSIONAL

Recognizing the fundamental value of a liberal education not only in the development of character and personality but as the foundation for professional training, the college aims first to give every student such basic knowledge of the arts and sciences as will acquaint him with the richness of his heritage from the past and the nature of the world in which he lives, and provide him the keys by which he may unlock the future. It relates this knowledge, in the next place, to such specialized training as will equip the student for a chosen profession, such as teaching in its various fields, business in its many forms, home demonstration work, social service, the ministry, foreign missions, etc., or for entrance into the professional schools of engineering, law, medicine, pharmacy, nursing, and others.

#### LOCATION

Harding College is at the edge of the foothills of the Ozarks in one of the most beautiful, fertile, and healthful sections of the state. It is about fifty miles from Little Rock on the national highway from Little Rock to St. Louis, and is served by the main double-tracked lines of the Missouri Pacific from Little Rock to Memphis and Little Rock to St. Louis through Kensett Junction, and by three local lines.

For the benefit of those who motor to Harding College, it is three hours from Memphis; four hours from Fort Smith; five hours from Texarkana; eight hours from Oklahoma City; eight hours from St. Louis; eight hours from Nashville; ten hours from Dallas; twelve hours from Kansas City; fifteen hours from Amarillo; fifteen hours from Chicago.

The country around Searcy offers excellent opportunities to families who want to move to a Christian school. It is naturally adapted to fruits of all kinds. Peaches, apples, grapes, and berry crops grow in abundance. It has for years produced some of the finest strawberries in the South and ships them by carloads to markets all over the country.

#### CLIMATE

The climate is as nearly ideal as one may find. The winters are exceedingly mild — almost like spring throughout. The temperature here has been known to fall to zero only a few times in the history of the state. There is abundance of sunshine, very little wind, and the proper amount of rain. The summers are tempered by breezes and are pleasant. The temperature through the summer rarely rises higher than 95 to 100 degrees Fahrenheit. There are no dust storms.

#### SCENERY

The scenic beauty of the Ozarks is unsurpassed. Younger mountain ranges like the Rockies are higher and more rugged, but the verdant freshness of the Ozarks in the summer, and

the rich profusion of colors in the fall, browns mingling with gold and the deepest of reds, against a background of perpetual green, create a fairyland of beauty.

While Harding College is only near the foothills of the Ozarks, it is surrounded by many places of great beauty and interest. To the northwest, the foothills lead up to the mountains which follow the course of the river and are traversed by an excellent highway. There are many picturesque valleys and peaks. Red River is a beautiful mountain stream bordered in places with lofty cliffs and ledges. Its sparkling rapids and deep clear pools make a paradise for the game fisherman. To the east are lakes abounding in fish.

The mountains afford scores of beautiful spots for outings, picnics, and mountain climbs, while the river, creeks, and lakes offer the finest opportunities for fishing, out-door swimming, and boating. Arrangements are made for every student who will to enjoy these advantages.

Many years ago Cardinal Newman, in discussing the location of a university, insisted upon the element of beauty because of its cultural and spiritual value in the lives of the students. When choosing your college, why not take into account the natural beauty of its location? It will give you priceless memories for after years.

### EDUCATIONAL STANDING

Harding College is a standard senior college, authorized by the state to confer the Bachelor of Arts, Bachelor of Science, Bachelor of Music and Bachelor of Library Science degrees. Students working out a major in any department are qualified to enter the graduate schools of the larger universities. Students from other states, or those who may desire to teach in other states, can secure their teachers' certificates in nearly all states without examination upon the completion of the necessary professional course in Harding College. It is also a member of the Central Association of Colleges.

### CAMPUS

The College campus consists of about twenty-nine acres within easy walking distance of the business section of town. The college buildings are in a woodland of beautiful oaks and elms. The east half, which is open and level, is developed into an athletic field, consisting of tennis courts, baseball field, and track.

### BUILDINGS

The buildings on the campus, exclusive of equipment, are valued at from \$500,000 to \$600,000.

### SCIENCE HALL

This is a three-story brick structure, one hundred and sixty-five feet long, and fire-proof throughout, completed in 1926. The two upper floors contain the various laboratories for chemistry, physics, biology, and home economics, teachers' offices, supply rooms, and lecture rooms. The first floor contains the administrative offices and general class rooms.

### PATTIE COBB HALL

The girls' dormitory, named in honor of Mrs. James A. Harding, is a large three-story brick building, fire-proof throughout, with room for over a hundred girls. Most of the rooms are arranged with a connecting bath between each two rooms, to be shared by the four girls together, while two rooms have private baths. Most rooms have two closets so that every girl may have her individual closet. The rooms are furnished with single beds. On the second floor is a completely equipped hospital apartment, the reception rooms, guest rooms, and apartment for the matron.

### DINING HALL

Occupying most of the first floor of Pattie Cobb Hall are the college dining halls and kitchens. These are attractively finished with tile floors and will seat over five hundred. The

kitchen and storage rooms are furnished with the most modern equipment.

#### MEN'S DORMITORY

The immense three-story brick building, over two hundred feet long with two wings extending back at the ends, will accommodate over two hundred boys. All rooms are furnished with closets and most with single beds.

On the first floor of the men's dormitory are spacious reception rooms, some class-rooms and laboratories, the library, and the postoffice boxes. On the second floor is the college auditorium, and the music, speech, and art studios.

#### GYMNASIUM

The present gymnasium is a fire-proof brick structure with an excellent hardwood floor. It contains the basketball court, and is furnished with standard gymnasium equipment, such as parallel bars, wrestling mats, etc.

#### SWIMMING POOL

This is a modern building, steam-heated, with brown tiled floors, and white tiled pool. Along the walls are dressing rooms, each furnished with a shower. It is furnished with equipment for complete and constant sterilization of the water, which is also constantly changed.

#### POWER PLANT

A large concrete and stucco building houses the central heating and electric plant, which is furnished with two high pressure boilers with sufficient capacity to allow for further expansion. Through a complete circulatory system it also furnishes hot water to every part of the campus day and night.

#### LAUNDRY AND CLEANING PLANT

In order to furnish labor for students and to care for the

laundry and cleaning of the entire school, the college operates its own laundry and dry cleaning plant. It is completely equipped.

#### "GREY GABLES"

This three-story frame structure accommodates the piano practice rooms, apartments for teachers, and light housekeeping rooms.

#### THE PRESIDENT'S HOME

The President's Home is an imposing two-story modern colonial structure completed in 1940. It is completely insulated and attractively finished throughout.

#### "DEANERY"

This two and a half story English style cottage of native stone, erected partly through contributions by Dean and Mrs. L. C. Sears, is used as the dean's home.

#### THE COTTAGES

A group of three frame cottages and one small brick cottage are used for teachers' homes. Three of these are steam-heated from the central plant.

#### THE WORKSHOP

This is a large brick structure equipped for machine work, carpentry, plumbing, and scenery designing and painting.

#### PRINTING PLANT

This plant contains complete printing equipment valued at approximately \$20,000, and including linotype, presses, type, photographic room, etc. It handles nearly all college printing.

**THE FARMS**

The college farm of forty acres near the campus is furnished with a large farm home and dairy barn and accommodates the college dairy. The Sterling Morton farm is a 59 acre tract 1-4 mile from the campus, used for stock raising and vegetable farming. The larger farm of 400 acres farther out is used for stock raising.

**BENSON FIELD**

An excellent athletic field is being developed on one section of the campus. It has a baseball diamond, track, pits for pole vaulting and jumping, and three concrete tennis courts.

**AUDITORIUM AND STAGE**

The auditorium and stage are equipped with a view to the needs of the dramatic arts, speech, and fine arts departments. The acoustics are excellent and the stage is furnished with everything necessary for successful productions. The dramatic club has created several different sets of stage scenery both interiors and exteriors, together with practical doors, windows, stairways, etc. The stage is equipped with electric devices for rather elaborate lighting effects, including spotlights, floodlights, and foot and border lights with different circuits for different colors and with dimmers for each circuit. The entire equipment makes it possible to produce satisfactorily and with great naturalness, plays or scenes requiring unusual lighting effects, setting or costumes.

**BROADCASTING ROOMS**

Sound-proof broadcasting room, furnished with complete equipment, has been provided for radio broadcasting from stations in Little Rock. At least one broadcast is given each week from these studios, and two or three others from the Little Rock studios.

**LIBRARY**

The library at the present time contains over 20,000 vol-

umes besides periodicals and bulletins. The selections have been made with the utmost care. There are almost no gifts, and consequently nearly every volume is in the shelves because of its actual value. The reading room is supplied with the best works of reference, including standard encyclopedias such as the Britannica, the Americana, the Catholic, New International, the Jewish, Hastings' Encyclopedia of Religion and Ethics, Shaft-Herzog, etc.; scientific dictionaries and encyclopedias; the Dictionary of National Biography; numerous historical works, and works dealing with languages, fine arts, travel, exploration, etc. A more detailed statement of the works for science, English, and other departments will be found with the description of the courses of each department. About fifty periodicals related to the work of the various departments come to the library regularly. The library is provided with the Reader's Guide to make the periodicals more usable. It contains also the United States Catalog since 1899 and other bibliographical works. The entire library is carefully cataloged by the Dewey decimal system and a triplicate card index makes all material instantly available.

**LABORATORIES**

The school maintains standard laboratories for business administration, chemistry, biology, physics, and home economics.

**BUSINESS ADMINISTRATION**

The laboratory for business administration contains equipment valued at \$3,442. This includes typewriters, dictaphones, bookkeeping machines, addressograph, and other business machines.

**CHEMISTRY**

The chemistry laboratories are furnished with equipment and apparatus valued at approximately \$8,600. Besides the standard chemistry tables, which are supplied with water and gas, the laboratories have an electric drying oven, electric



furnace, accurate balances, gas hood, distillery, calorimeter, and supply room for chemicals and equipment. They are thoroughly equipped for all advanced courses offered, and for commercial analysis of ores, coal, minerals and water.

#### BIOLOGY

The biology laboratory is one of the best equipped in the state. Approximately \$7,600 worth of equipment has been installed. It is furnished with standard biology tables, high-powered, double-nosed microscopes, binoculars, the best make of dissecting microscopes, a large compound balopticon with hundreds of prepared slides, a microtome for preparing additional slides, dissectable torsos and other models and casts, skeletons, life histories, and collections of birds and insects.

#### PHYSICS

The physics laboratory is well furnished for the courses offered. It is not the plan of the college to offer a major in physics at present. It is to confine its work in this department to beginning courses, but for this purpose it has excellent equipment, valued at about \$3,500.

#### HOME ECONOMICS

The home economics department has equipment valued at over \$9,500. The foods laboratories are furnished with standard tables with hardwood or white tile tops. Each table is equipped with electric stove or gas burners, and electric and gas ranges and ovens are supplied for general use. Cooking utensils are of aluminum and graniteware. An attractively furnished dining room is arranged with everything needed for service, including several sets of dishes of different designs.

The clothing and textile laboratories are furnished with standard cutting tables, work cabinets, sewing machines, fitting room, etc.

## *School Activities*

### CHAPEL

One of the chief features of the school is the daily chapel exercises. The chapel talks are intended to prepare the student for dealing sanely with the problems of life, to develop right ideals of manhood and womanhood, and to impart a desire for accomplishing greater things. Every student is expected to attend chapel. We believe that the conscientious student will derive more from the chapel talks than from any regular course of study.

### MONDAY NIGHT MEETING

Each Monday night the school comes together for the purpose of discussing some Bible topic. All boarding students are expected to come, and the general public is cordially invited. In these meetings are discussed all questions of interest to Bible students and growing Christians. Three ends are sought in the meetings — the development of young men as public speakers, the teaching of truth, and the cultivation of spirituality and consecration.

### JAMES A. HARDING DAY

The first James A. Harding Day was observed in February, 1926, by students, teachers, and friends of Harding College, in grateful memory of the service rendered the cause of Christian education by him whose name our college bears. By vote of the assembly the day has been made an annual event. Since that time it has been observed in April, Brother Harding's birth month.

### HOMECOMING DAYS

Two homecoming days for alumni and ex-students are held each year, one on Thanksgiving and the other on the Wednesday of graduation week, usually the last week in May.

A business and social meeting is held to which all ex-students are cordially invited.

### THANKSGIVING MEETING

Each Thanksgiving the school has a meeting to which all friends of Christian education are invited. A number of able speakers are always secured, and the meetings are rich in good things. Friends will provide homes for all who come. If you have never visited the school you should come to this meeting and get acquainted with the work that is being done.

### SCHOLASTIC STUDENT ACTIVITIES

All scholastic clubs and organizations for the promotion of student activities must receive a permit from the school.

### THE HARDING FORENSIC LEAGUE

A club for training and practice in public speaking and debate is open to students interested in debating. The coaches in debate sponsor the League.

### INTER-COLLEGIATE DEBATING

Harding College has established an excellent record in intercollegiate debating. Harding debaters have won many first honors in the state tournaments, in the Mid-South tournaments including all surrounding states, and in the tournaments of the various states around.

For students preparing for law, for the ministry, or for general public work, this activity offers unusual development.

### THE CAMPUS PLAYERS

At the close of the session 1925-26, The Campus Players, the dramatic club of Harding College, was organized. Membership in this club is open to both teachers and students. The club is a self-governing body, under the general supervision of the faculty. Fortnightly meetings are held, in which

the drama is studied and one-act and full evening plays are produced.

A valuable addition to the work of the club is the course in the designing and painting of stage scenery. Anyone who expects to direct plays needs a course of this kind.

### COLLEGE LYCEUM

Since 1928 the Campus Players have sponsored and, with the aid of other fine arts departments, have given an annual lyceum course of five numbers of unusual excellence.

### WORKSHOP PLAYS

Each year a series of workshop plays is given in which campus players direct the casts and work out all details of production including costuming, creating of scenery, staging, and often the writing or revision of the play.

### STATE SPEECH FESTIVAL

Each year but one since the organization of the Arkansas Little Theatre Association the Campus Players have either entered a play or been host to the annual State Tournament. Throughout the years the Players have received a high percentage of honors. When the Arkansas Little Theatre Association broadened its scope and became the Arkansas Association of Teachers of Speech, the play work was continued as before and many other phases of speech work were added. In 1929 the Tournament was changed to a Speech Festival. In the festival the student is rated on a five point scale — Superior, Excellent, Good, Fair and Poor — with no winners designated except in oratory and debate. Harding students have rated many superior and excellents in acting, extemporaneous reading of poetry and prose, debating, oratory, and pronunciation. They have also been awarded their full share of firsts and seconds in oratory and debate.

**INTRAMURAL SPEECH FESTIVAL**

In 1941 Mrs. Armstrong of the Harding Speech Department conceived the idea of an annual Harding Intramural Speech Festival. Fifty-six students enrolled in four hundred and eighteen individual entries in the first festival.

In 1942, forty-eight students enrolled with a total of four hundred and three individual entries. In 1943, the winter quarter was chosen as Festival Quarter. A total of sixty-three entrants enrolled in slightly more than seven hundred individual entries.

In the Intramural Festival the student's work is rated, as in the State Festival, on a five point scale — superior, excellent, good, fair and poor. At the conclusion of the festival red, white and blue ribbons are awarded for good, excellent and superior work. In addition many ex-students who excelled in some special speech field while at Harding and who love their Alma Mater, and do not want to be forgotten on her campus; several friends; Mrs. Armstrong, festival director; Miss Robbins, director of the college Lyceum; Mr. Kirk, director of chorus and Men's Glee Club; and Dr. Benson, in behalf of the college, are giving special awards — usually books for the student's personal library — for the most outstanding work in the various speech fields.

**ACAPPELLA CHOIR AND GLEE CLUBS**

The Harding ACappella Choir of men and women and the Men's Glee Club and Women's Glee Club are three of the outstanding musical organizations. The glee clubs give programs both at school and at many other places throughout Arkansas, and other states.

**ORCHESTRA**

The orchestra is one of the special activities of the college. All students of the school interested in the work are invited

to bring their instruments and take advantage of this splendid orchestral training. Only the best orchestral material is studied, and the experience gained helps students to prepare to fill profitable positions in professional orchestras, or to direct orchestral work in schools. One hour each day is devoted to both sectional and full rehearsals. Several public concerts are held throughout the year.

**BAND**

Another enjoyable and valuable organization is the college band. Students who own any kind of band instrument should bring it with them. Those who have never played in a band before can secure the necessary group and private instruction from the director. Those who wish to join the Harding band and do not own instruments should wait until they come and try out with the director before selecting and purchasing their instruments. The director can give them helpful suggestions.

**HONORARY AND SOCIAL CLUBS**

All honorary clubs and organizations must receive a permit from the school.

**SOCIAL CLUBS**

A number of clubs combining in varying degrees both social and literary activities have been organized in order to give every student an opportunity for the best social development. The clubs for young women are the Woodson Harding Comrades, established in 1926, the Ju-Go-Jus in 1926, Las Companeras in 1933-34, the Mu Eta Adelpians in 1935-36, the GATA's in 1938, and the Tofebts, Alpha Thetas in 1939, and Metah Moes and Phi Deltas in 1943.

The men's clubs are the Sub T's established in 1929, the T. N. T.'s in 1933-34, the Koininias in 1934, the Lambda Sigmas in 1935, and the Tagmas in 1937.

## ALPHA HONOR SOCIETY

Membership in the Alpha Honor Society is limited to those whose scholarship is of the very highest excellence. Only a limited number may be admitted from each junior or senior class. Moral and social qualities must also be of similar excellence. Meetings of the society are held annually at the alumni homecoming during commencement week and at other times through the year. The purpose of the society is to encourage superior scholarship with high moral attainments.

## ATHLETICS

Extravagant athletics is not considered in keeping with the best interests of earnest and profitable school work. It is our purpose to keep athletics within such bounds as to retain its full value as an agency to maintain a healthful condition of the body while the mind works. We believe students as a rule enter college to gain a mental discipline and a certain amount of useful knowledge, rather than to become athletes. On the other hand, a wholesome and enjoyable system of exercise for students is a valuable asset to the accomplishment of the work required by conscientious teachers. The general relaxation through interest in a game has much value in breaking up nervous tension prevalent among hard-working students.

For this reason all forms of athletics including touch football are sponsored and encouraged. Regular schedules of intramural sports are arranged between classes and clubs during each quarter, and every student is given an opportunity to play. This plan has proved much more satisfactory than intercollegiate athletics, and has allowed a greater emphasis to be placed upon those sports that can be carried into later life as a source of recreation and health.

## BASKETBALL

This major winter sport is encouraged and a large number of students take part in the intramural contests.

## BASEBALL AND SOFTBALL

Both of these sports are supported, and softball is a regular part of the intramural program in the fall and spring.

## TENNIS

Three concrete courts for tennis have been provided, and the management heartily encourages this health-giving exercise.

## HORSEBACK RIDING

The college provides horses for those who wish this form of healthful exercise. The Equestrian Club was organized in 1939 for those especially interested, but all students, no matter whether members of the club, have the privilege of riding. In 1944 buggy-riding was added.

## SWIMMING

This most healthful and delightful of sports is made possible all winter long by the beautiful steam-heated swimming pool on the campus. Instructors are arranged to teach swimming to those who wish to learn it. The time is divided between the young men and young women, so that the pool is accessible to both every day in the week. No mixed swimming is allowed.

## TRACK AND FIELD

Track and other field sports are encouraged.

## *Scholarships and Prizes*

### THE W. J. CARR SCHOLARSHIP

The W. J. Carr Scholarship was founded by a gift of \$2,500 from W. J. Carr of Junction City, Arkansas. The interest on the above sum pays the regular tuition on one student each school year.

### ELIZABETH J. COUCHMAN MEMORIAL FUND

This fund of \$940.00, the interest from which is applied on a scholarship for some student each year, was made possible through the generosity of Mrs. Elizabeth J. Couchman of Winchester, Kentucky.

### BOOTH BROTHERS MEMORIAL SCHOLARSHIP

This scholarship covering the regular tuition of one student each year has been permanently endowed by gifts from the Booth family of Searcy. It will continue perpetually through the future of the institution.

The donors of this scholarship endowment are among the best known families in Searcy. The father having moved to the county from Tennessee in 1852 began a successful farming and livestock business. Later the firm of Booth Brothers was organized and rapidly established a reputation for integrity, honesty, and strict business responsibility which made it outstandingly successful. They helped in the construction of the Missouri Pacific Railroad, the Rock Island, and the Missouri and Arkansas, and built Highway 67 through White County. The firm later was instrumental in organizing one of the banks and in building and financing other businesses and public services.

The Booth family have always felt a responsibility in encouraging any movement for the public welfare. Through their interest in the education of young people they have established the Memorial Scholarship.

### MRS. PAULINE LAW SCHOLARSHIP

Interest from \$2,600, the Scholarship Fund established by will of Mrs. Pauline Law of Granite, Oklahoma, is to be used in scholarships for ministerial students appointed by the college.

### OTHER SCHOLARSHIPS

There are so many deserving students who need aid, and to invest in these students is so worthwhile a work that Harding College invites others to follow these examples. For suggested forms for wills, see page 14.

### HONOR SCHOLARSHIP

Harding College grants regularly to the valedictorian of each North Central or class A high school a scholarship of \$180.00, half of which may be applied on tuition each of the two successive years following graduation. To the salutatorian it grants a scholarship of \$120, half of which may be applied on tuition each of the two following years.

For Class B schools with graduating classes numbering twenty or more the same two scholarships are granted. For classes of less than twenty the valedictorian scholarship is reduced to \$120, half of which may be applied on tuition each of the two successive years.

For Class C schools only the valedictorian scholarship of \$120 is granted, half of which may be applied on tuition each of the two successive years following graduation.

### SCHOLARSHIPS FOR PREACHERS

Preachers and their children, and young men preparing to preach, who actually make this their life work, are granted scholarships covering half the amount of their regular tuition. This reduction amounts to \$90.00 for the year. Such students are required to sign a note for this amount, which becomes due five years after they have left school, if at that time they have ceased to give their time to the ministry. If, however,

they are actively engaged in preaching, the notes are cancelled. No young man who uses tobacco is entitled to this consideration.

### STUDENT LOAN FUNDS

Gifts through the past year have enabled us to increase our own loan funds to deserving students, while other gifts have been received for specific types of loans. This is a greatly needed assistance to worthy students, and we are hoping that men and women interested in the education of young people will add to the funds for this purpose. The two following funds have been received for specific purposes.

#### MR. AND MRS. JIM G. FERGUSON STUDENT LOAN FUND

This fund of \$2,000 is available to worthy students who have done satisfactory work in Harding College for at least one term, and whose scholarship record is entirely satisfactory. The maximum loan to any one student is \$400.00.

#### STERLING STORES, INC., STUDENT LOAN FUND

This fund of \$500 is available to deserving students who have been at least one term in Harding College, who are doing entirely satisfactory work, and who are of good character.

### PRESS CLUB MEDAL IN ORATORY

The Press Club offers a medal each year to the winner in an all-college oratorical contest. The winner in 1935 was LeRoy Miller; in 1936, Owen Pearce; in 1937, William Meade; in 1938, James Warren; in 1939, James McDaniel; in 1940, Dennis Allen; in 1941, John Sands, in 1942, Weldon Casey; in 1943, Dennis Allen; in 1944, Weldon Casey, and in 1945, Emmett Smith. In the women's division the medal was won in 1938 by Miss Doris Hickman, in 1939 by Mabel Dean McDaniel, in 1940 by Marie Brannen, in 1941 by Mildred Leasure, in 1942 by Charlene Foreman, in 1943 and 1944 by Mary Bess Love, and in 1945 by Edna Hodge.

### SCHOLARSHIP MEDAL

A scholarship medal is conferred each year by the Alpha Honor Society upon the graduate with the highest scholarship record.

## *Regulations*

### DISCIPLINE

For discipline we appeal to the hearts and consciences of our students and depend much upon the Bible study and teaching. Love and justice are the moving principles of our government, regulations are as few as possible, and we demand only that the students do right. If after patient effort we cannot reach a student in this way, we advise him to go home.

### SOCIAL REQUIREMENTS

#### NON-STUDENTS

It has been the custom to permit worthy young men who are not members of the student body to enter into the social life of the college. This is a custom we are glad to continue under proper conditions.

All young men who are not students of the institution must be presented formally to the matron. It shall be necessary that they present at this introduction letters of recommendation from the minister of the church which they attend regularly. This recommendation must testify concerning the moral character of the young man.

Any young man who is thus permitted to enter the social life of the college thereby pledges himself to observe all social regulations of the school. Any young man who violates this pledge will be promptly excluded.

#### LOCAL STUDENTS

The college management has the general oversight of local students on the grounds and in the buildings and at all other times when participating in college activities.

#### BOARDING STUDENTS

All boarding students are required to room in our student

homes unless they stay with relatives in town or work for their room and board. All such cases must be approved by the president of the college.

### SECRET MARRIAGES

The contracting party or parties of a secret or unapproved marriage taking place within the student body of Harding College will be excluded from the college and all credits earned within that year will be cancelled.

Any student-preacher aiding such marriage by performing the ceremony shall be dealt with similarly.

### TOBACCO

Those who are directly responsible for the influence on the grounds and in the buildings of Harding College believe that the use of tobacco in any form is injurious to the user. It is our purpose therefore to discourage the use of tobacco in every way that we can. We have a deep interest in those who have acquired the habit of using it and desire only to help them quit the habit. But if they WILL persist in the use of it we insist that they must use it so as to throw around others the least possible temptation. Hence, the use of tobacco on the college campus and in the buildings is strictly forbidden except in the rooms of those who use it.

### HOLIDAYS

Students will not be permitted to leave for home to spend any holiday until the school adjourns for such holiday, unless it be by written consent of their parents. Even if one obtains such permission, his absence from his classes will be unexcused and will count with other unexcused absences in lowering his grades, deducting from his credits, or excluding him from his course. Similarly any class missed because of a late return after a holiday will be unexcused and will count as above. Parents should note this well and not encourage students to miss classes at such times.

**CLASS ABSENCES**

No class cutting will be tolerated. When a student misses a recitation in any class, he must present to the registrar a satisfactory excuse within two days after he returns to the class.

The following regulations apply to absences:

1. When a student has three unexcused absences from any class, he shall be dropped from the course by the instructor. He may be reinstated only by the recommendation of the registrar and the payment of \$1.00 fee.

2. Any student who has ten unexcused absences from all classes and chapel shall forfeit one hour of credit; twenty absences discount two hours of credit, etc. These absences need not occur in a single class but may be the total in all classes.

3. If, in the judgment of the committee, any other measures may be more effective in dealing with any individual student, it shall be at liberty to add to the above penalties or to substitute others.

**CLASS CHANGES**

No student is permitted to change or leave a class without the approval of the dean and the teacher in charge of the class. After the first two weeks any student changing a class will be charged a fee of \$1.00.

Any class dropped without the approval of the dean will be marked F, and this grade will be entered in the record of the student.

No class changes will be permitted after the fourth week of any term. Any class dropped after that time because of failing grades will be marked F.

**EXAMINATIONS**

Examinations will be given regularly at the close of each term and during the term at the discretion of the instructor. No student is excused from these examinations. In case a student misses an examination for any cause, he may secure a special examination by applying to the dean and paying the instructor fifty cents examination fee.

**REPORTS AND GRADES**

Reports will be sent to parents or guardians at the end of each term. Should a student be doing unsatisfactory work, a report to this effect will be sent to the parents at any time.

The rank of the student will be indicated by letters as follows:

A is the highest grade, 90 to 100.

B is good, 80 to 90.

C is fair, 70 to 80.

D is the lowest passing grade, 70.

I is "Incomplete." It implies nothing as to the quality of the work, and may be removed by completing the work of the course.

E is "Conditional failure." It may be removed by passing a satisfactory examination on the course.

F is "Failed." Credit for the course may be had only by repeating it in class.

**TRANSCRIPT OF CREDITS**

Each student is entitled to one transcript of credit without charge, but a fee of \$1.00 will be charged for each additional copy.



## ***Information for New Students***

### **HOW TO REACH US**

The two main lines of the Missouri Pacific from Little Rock to Memphis and from Little Rock to St. Louis pass through Kensett, which is less than four miles from the college campus. Fourteen passenger trains stop at Kensett daily. A branch line of the Missouri Pacific runs several trains each day from Kensett to Searcy, and students may stop at the college station. Students arriving at Kensett on trains not connecting with the Kensett-Searcy locals will be met by college cars if they have notified the college on what train they will arrive. Students who have not notified the college on exactly what train they will arrive may telephone from the station and they will be met promptly.

Students from western Oklahoma may take the Rock Island to Little Rock and transfer to the Missouri Pacific. Students from northwest Arkansas find a direct route over the Missouri and Arkansas line from Eureka Springs through Searcy.

In addition to the train service, Searcy is served by bus lines from Little Rock to St. Louis, from Searcy to Memphis, and from Searcy to the Northwest.

Students will be met free at the opening of each term. But fifty cents will be charged per student for trips at any other time. Fifty cents will be charged for delivering trunks from the station to dormitory rooms at any time.

### **EXPENSES**

The expenses outlined below are for college students only. Expenses in the academy are outlined in the academy catalog.

It is our desire to keep expenses at Harding College as low as possible consistent with efficiency.

The boarding student can meet all school expenses for

\$460.50 to \$478.50 for the year. This includes regular tuition, term and medical fees, room and board. The resident student can meet all expenses for \$203.50 for the year.

### **PERSONAL EXPENSES**

In estimating school expenses the following facts should not be overlooked. Young people at home spend money for clothing and incidentals; hence such things should not be considered a part of the school expenses. If students are free to write checks on their parents for any amount they wish to spend, their expenses will be much greater. It is impossible for us to control spending without the help and encouragement of parents.

Parents should not encourage their children to make bills with the merchants in town. We are doing everything in our power to prevent making of unapproved bills. During the past, the merchants and parents have cooperated heartily with us, and we have together helped students to keep their personal expenses low. We ask parents to continue their cooperation in the future.

### **TUITION, FEES, AND ROOM RENTS**

The school year of nine months (thirty-six weeks) is divided into three terms or quarters, of twelve weeks each.

The expenses are paid by the term and at the beginning of the term. This is required because the school must have the money due it to give efficient service, and parents can arrange for one expense account more easily than the school can arrange for many.

No part of tuitions, fees, or rents will be refunded and no deductions are made for late registrations. Students should enter at the beginning of a term.

A student who withdraws of his own accord does not thereby place the college under obligation to refund tuitions, fees, or rent, although they may be refunded at the option of

the college. Expelled students forfeit all tuitions, fees, or rents.

In cases of protracted illness, a transferable certificate will be issued for all unused tuitions and rents.

### REGULAR TUITION AND FEES

Tuition, College (each term) .....	\$60.00
Entrance Fee (payable by all students each term) ....	3.00
Activity Fee (each term) .....	3.34
Library Fee (each term) .....	1.50
Medical and Hospital Fee (each year) .....	5.00
Graduation Fee (covering diploma, cap and gown) ....	7.50

Fifteen hours and the Bible is a full course, and should one take more work, one is charged \$4.00 for each term hour above this amount.

### FREE MUSIC, SPEECH, AND ART COURSES

Much of the class work in music, speech, and fine arts requires no fees, additional to regular tuitions. These cultural courses should be included in every student's program of work, and by a removal of all special fees we hope to make them available to all. Tuitions are charged only for private instruction.

### SPECIAL TUITIONS AND FEES

Piano, Voice, Violin, Art:

Two private lessons a week, per term .....	\$25.00
One private lesson a week, per term .....	15.00
Class instruction (divided equally 2 or 3) per class	28.00
High School Students (2 lessons per week) .....	20.00
Speech (private lessons) each term: .....	\$20.00

### ROOM RENT

Rooms for girls, with private lavatory, \$19.50 up, a term; with bath shared between two rooms, \$24.00 a term; with private bath, \$30.00 a term. Prices vary according to location.

Rooms for men range from \$15.00 to \$22.50 a term, depending upon size, location, and conveniences. Single rooms can be had for \$24.00 up, unless the space is needed for two.

All rooms are furnished approximately alike, most of them with single beds unless the double is preferred.

### RESERVING ROOMS

All students away from home, either boarding or light housekeeping, are required to room in the college dormitories and apartments. The only exception to this requirement is with students who have relatives in town with whom they may stay. In each such case permission must be secured from the president of the college.

Since new students do not know the location of rooms, they may make their reservations by specifying the price of the room they desire, and we will make the best selection possible for them. Floor plans of the dormitories, showing location, size, and price of rooms, will be sent on request. Every reservation must be accompanied by a deposit of \$5.00. In case the student is prevented from coming, this deposit is refunded, provided request is made to the college not later than two weeks before the opening of the term. Regularly the deposit is returned at the close of the year minus any breakage or damage to rooms or furniture, or is applied on any balance still due the school.

### FURNISHINGS FOR ROOMS

Each student should bring with him pillow, pillow cases, sheets, and at least enough cover for a bed in winter, towels, and such other articles as he may desire. In addition to these things the occupants of a room are required to furnish window shades and electric light bulbs. Our experience is that these articles receive treatment that makes them very expensive to the college. Our only recourse from this useless expense is to make this requirement. We find that when a student pays for

such articles out of his own pocket he treats them with more consideration.

### ELECTRICAL APPLIANCES

Students are allowed to bring such electrical appliances with them as irons and hot plates, but a fee will be charged, large enough to cover the cost of operating them.

### DORMITORY LIFE

One of the superior advantages at Harding College is the dormitory life. At much cost and keenly felt responsibility student homes are maintained that a rare home life may be given our students.

This phase of school life has been studied perhaps more carefully and more thoroughly than any other branch of our work. It has been our object to compensate, if possible, for the loss a child sustains in leaving his own home and entering a boarding school, and we are prouder of our accomplishment along this line than of almost any other of our undertakings. To give to the students a home life that has in it the care, protection, and training that ought to be in every Christian home, and at the same time make it attractive to the student, is really an art. While we fall far short of what we should like to do, we have so far succeeded that, after observing our care of the girls entrusted to us, many parents have frankly expressed the conviction that our dormitory is better for girls than their own homes—homes, too, that are as carefully directed as can be found in the country.

Our student homes are steam-heated and thoroughly modern, and since these advantages are given at less cost than they can be had anywhere else, all boarding students are required to live in the school homes until they are full. So we request no arrangements be made for boarding save through the faculty of Harding College.

### MEDICAL AND HOSPITAL SERVICE

In 1927 we installed for the first time in the history of the school a health department. A small hospital was furnished and a graduate nurse was secured to care for the students. This service has been extremely valuable. Many students who are not physically strong when they come, grow strong under the care and advice of the nurse.

This service has now been greatly extended. A fee of \$5.00 a year is charged each student, and for this small fee he receives the following service:

1. A complete medical examination covering eyes, nose, throat, teeth, lungs and chest, blood tests, urinalysis, etc.
2. Complete medical and surgical attention for all emergency or acute illnesses such as influenza, broken bones, infections, operations for acute appendicitis, etc.
3. Complete hospitalization in our infirmary.
4. The constant service of a trained graduate nurse.
5. Constant attention and help regarding diets, though in cases where a special diet may be more expensive the student will be expected to pay the difference between this cost and his regular board.

Each student is required to have smallpox vaccination before entrance.

The above service does not cover medical attention for chronic illnesses and matters that should have been attended to before entrance. Thus it would not include the following:

1. Treatment of tuberculosis or long-time contagious diseases. Tests and thorough examinations will be given, but in actual cases the student will be asked to transfer to a sanatorium where proper and long-time treatment can be given.
2. It would not cover tonsilectomies, or treatment of chronic

hay fever or asthma, or chronic glandular troubles. These chronic cases will have the constant care of the nurse, but medical attention will have to be paid separately from the fee.

3. It does not cover drugs and serums or biologicals, extensive examinations, or X-rays. The nurse and doctors will advise regarding the necessity of such extensive service, but the cost will be in addition to the fee.

The service, however, which is included within the fee is worth far more than its cost. A thorough medical examination, such as is given every student, would ordinarily cost from \$10 to \$15. A single operation for acute appendicitis would cost from \$75 to \$125. The constant attention of a graduate nurse together with hospital privileges is usually outside the reach of the ordinary family. Yet all this is covered by the medical and hospital fee and service. Students may select their own doctor, but all such service must be arranged through the nurse. The school will not be responsible for any medical service arranged for by the student alone.

#### THE COLLEGE CLUB CAFETERIA PLAN

The College Club is a co-operative organization in which both students and teachers receive their meals at cost. The cafeteria plan is used and each student may make his own choice of meats, vegetables, desserts, etc. The deposit of \$22.00 per month (four weeks) is expected to cover the cost of all meals. Should the cost be less, each student will receive a refund of the balance of the deposit. Those desiring additional food, or special items not on the regular menu for the day, may pay the cashier for them at the time.

Students who pay the board by the quarter deposit \$66.00 at the beginning of each quarter—a total of \$198.00. Students

who pay by the month deposit \$22.00 at the first of each school month—a total of \$198.00.

#### EXPLANATION OF THE POLICY OF THE COLLEGE CLUB

The following articles set forth the general policy of the club:

1. The College Club is run on a non-profit plan, hence:
  2. Each student has a right to help form the policy of the club in regard to the kind of food served, the amount of food and the general cost.
  3. In case the cost of operation for the year exceeds the deposits, such excess shall be paid in ten days after the operative cost has been announced.
  4. In case of loss, the whole club shall be responsible, and such loss shall be borne equally by all the members of the club.
  5. Club members may bring visitors to the dining hall by paying 30 cents for their meals.
  6. All club dues are based upon the school month of four weeks and NOT upon the calendar month.
  7. All unused deposits are refunded at the opening of the next school year.
  8. The President of the college is the chief executive of the club.
  9. The college bursar shall collect and disburse the club funds, and shall keep a complete account thereof.

**TOTAL EXPENSES FOR THE YEAR**

The following is the approximate amount the student will need for the year for his regular expenses.

	Minimum	Maximum
Tuition .....	\$180.00	\$180.00
Entrance fee .....	9.00	9.00
Activity fee .....	10.00	10.00
Library fee .....	4.50	4.50
Medical and Hospital fee .....	5.00	5.00
Room rent .....	54.00	72.00
Meals (deposits) .....	198.00	198.00
	<hr/>	<hr/>
Total for the year .....	\$450.50	\$478.50
Total per term .....	\$153.33	\$159.50

Laboratory fees are not included since these can only be computed after the student selects his course. But such fees are specified under the description of each course.

***Special Aid to Students*****EMPLOYMENT**

The school is especially prepared to offer a large amount of work in order to help deserving students cover varying amounts of the regular tuition. Accordingly students who must have work in order to help meet expenses at college may freely make application.

The college also has facilities whereby a student might work one half day and go to college one half day; or work through one term and then attend college a term, thereby covering total cost of board, room, tuition, fees, and laundry. According to this plan, however, a student, could not carry a full load of college work. On the contrary, it would require about five years including summers to complete the ordinary four years of college work, but the student would have the advantage of having worked out his board, room, tuition, fees and laundry while securing his education.

**WORK FOR STUDENTS**

Students granted working scholarships of any amount must realize that they are assuming an obligation to pay the specified amount in faithful service. The responsibility is their own to see that they render the service required. Should they fail to do so the amount of the scholarship is due in cash.

The student should also recognize that such scholarship is a special favor extended to him, and in return he should be willing to uphold at all times the ideals of the school. Any student granted a working scholarship who persistently violates regulations or disregards ideals of the school will have his scholarship revoked.

It is strongly urged that students not apply for more work than is absolutely necessary. To work too many hours may place the student at a disadvantage scholastically or cause an even more serious loss of health. Any student who works more than three hours a day must limit the number of his class hours accordingly.

Working students should bring with them sufficient changes of suitable work clothes, to supply their own needs. The college does not furnish such articles.

**PLACEMENT SERVICE**

For the purpose of aiding graduates and other deserving students to find employment the college maintains a regular placement service. Students who desire teaching positions, or positions with commercial or industrial firms, file their complete credentials in the registrar's office, and these are brought to the attention of prospective employers. The effort is made to find the kind of position for which each student is best qualified. While this service is intended primarily for the student it is also available for former students and alumni. In order that its value may be as great as possible it is requested that all available openings for teachers or others be reported to the office as soon as known.

**A CONFIDENTIAL WORD TO PARENTS**

The school cannot do the work it should do without the co-operation of parents. For the first few weeks of every year, and after visits home, students are often homesick. We all want our children to love their home and would be a little disappointed if they were not homesick. But with the hearty welcome they will receive from the older students, and with the beginning of active work, they will soon become happy and contented. It never helps students to recover for the parents to stay with them. Such a course usually results in the student's returning home or in his getting a poor start in his work.

Do not encourage your children to come home for any holiday before the regular time, or remain longer than the time appointed. Should the student be of "B" or "C" scholarship, it is very probable that those absences would cause the loss of an hour of credit and injure the student's interest in his work. Constant visits home often cause a feeling of restlessness and homesickness, cause a student to lose interest in his work, and ruin the entire year for him.

**WEEK-END VISITS WITH FRIENDS**

Many years of experience have taught us that week ends spent away from the college with friends are often very detrimental to the student. For this reason we discourage the practice as much as possible. We also require the written consent of parents or guardians, sent directly to the dormitory officials, before permitting such privilege. Under no circumstances are students permitted to remain off campus overnight with friends in town. Such a privilege would create too many difficulties, and is unnecessary since daily associations are easily possible instead.

**SPECIAL BIBLE LECTURE WEEK**

For the benefit of our own students, especially those who are already preaching or who expect to preach; for the benefit of preachers, elders, song leaders, and Lord's Day Bible School teachers in this state and neighboring states and for all others who may be able to avail themselves of this advantage, a special series of Bible lectures is offered during the Thanksgiving week each year.

It is our purpose to bring to Harding College for this special short course outstanding men in the brotherhood who have something to offer which we could not otherwise get. We want younger preachers and Bible students to have advantage of the experience, wisdom, and knowledge of our most outstanding preachers.

The lecturers deal with vital problems facing the church and the individual Christian and are of great interest not only to our students and friends but to all preachers and leaders in the church.

Announcements will be sent out during October of the specific course for each year, and information will be gladly given on request at that time.

## ***College of Arts and Sciences***

### **ADMISSION**

The College of Arts and Sciences is planned to follow the completion of a standard high school course of fifteen units. By a unit is meant a course of study pursued for five periods a week through at least thirty-six weeks, each recitation period being at least forty minutes in length and each laboratory period at least eighty.

Students from accredited high schools will be admitted by transcript properly signed by the superintendent or principal. Students from unaccredited high schools may be admitted by examination, or by passing an intelligence test as explained below.

### **ARKANSAS STUDENTS**

In accordance with the uniform entrance requirements adopted by the colleges of the state, students from Arkansas high schools should note well the following instructions:

1. Applicants from all high schools should write the dean of the college for a blank certificate of entrance, have it properly filled out and signed by their superintendent or principal, and return it to the dean as early as possible. A notice will be sent them of the acceptance of their application, or of any conditions to be met for entrance.

2. Applicants from unaccredited schools and students without sufficient high school credit may be admitted in three ways:

(1) Applicants eighteen years of age or older whose entrance units have been reduced to not less than thirteen, but less than fifteen, may enter by passing an intelligence test.

(2) Applicants under twenty-one years of age who come from unaccredited schools or who have insufficient high school credit, may be admitted by examination.

(3) Applicants twenty-one years of age or older, who come from unaccredited schools, or who have insufficient or no high school credit, may enter by passing an intelligence test or by examination.

### **STUDENTS FROM OTHER STATES**

Students from accredited high schools of other states will be admitted by transcript without examination. Those from unaccredited high schools or those who have insufficient high school credit may be admitted as explained under No. 2 above. All transcripts should be sent to the registrar before the date fixed for enrollment and classification.

### **ENTRANCE PROCEDURE AND TESTS**

In order that the best possible guidance may be given in the selection of courses to determine where each student needs to strengthen his preparation, and to find out the special fields for which the student is best qualified by interests, ability, and previous training, a series of tests and conferences are held with all entering freshmen during the first and second days of the registration period. Registration for freshmen is complete only after these diagnostic tests. A fee of 50 cents is charged each student to assist in meeting the expenses of this self study.

Students entering from unaccredited high schools or applicants without high school credit are given their entrance tests also during these two days.

### **PRESCRIBED ENTRANCE UNITS**

The following courses will be required for admission to

the College of Arts and Sciences:

English .....	3 units
Algebra .....	1 unit
Plain Geometry .....	1 unit
American History .....	1 unit
Laboratory Science .....	1 unit
Elective .....	8 units

Total ..... 15 units

Note 1. Laboratory science may be satisfied by physics 1 unit, chemistry 1 unit, biology 1 unit, botany 1 unit, zoology 1 unit, or by 1-2 unit each of botany or zoology provided each course was accompanied by 160 minutes of laboratory work each week.

Note 2. The requirements of algebra 1 unit and plain geometry 1 unit may be met with 2 units of correlated mathematics.

Note 3. Two years' work (two lessons a week) in music or public speaking counts one unit. In art and drawing one unit will be allowed for five periods of ninety minutes each week for thirty-six weeks.

#### DEFICIENT CREDIT

Students who have their fifteen units of high school work but lack some of the above requirements will be allowed to work out these requirements in their college course.

#### ADVANCED STANDING

Credit will be given for collegiate work done in other standard colleges upon approval of the Committee on Advanced Standing, provided that the applicant presents proper credentials of his work from his college.

#### REQUIREMENTS FOR DEGREES

The college confers the degree of Bachelor of Arts, Bachelor of Science, Bachelor of Music, and Bachelor of Library

Science. The requirements for each degree are given separately below.

#### BACHELOR OF ARTS

The degree of Bachelor of Arts requires the completion of one hundred ninety-two term hours of college work, together with a scholarship record of two hundred twenty honor points. At least forty-five hours must be completed in residence, twenty of which must be in the student's senior year.

Should a student enter with advanced credit from another college, the number of honor points required of him shall be in proportion to the number of college hours carried here.

#### DEFINITION OF TERM HOURS

A term hour of credit requires one hour of recitation or lecture per week for twelve weeks. Each hour of recitation is supposed to be accompanied by not less than two hours of preparation. In laboratory courses two or three hours of laboratory work is equivalent to one hour of recitation.

#### DEFINITION OF HONOR POINTS

For each grade of "A" the student is awarded three honor points for each hour. Similarly a grade of "B" counts two points for each hour. A grade of "C" counts one point for each hour. A grade of "D" is passing, but counts no honor points. A grade of "I" allowed to remain on any course is failing and detracts from the student's record one point for each hour. A grade of "F" detracts from the student's record two points for each hour.

#### PLAN OF WORK

The work of the college is planned to follow the major elective system with certain modifications which will safe-



guard the interests of the student, and is divided into fourteen groups as follows:

- I. Ancient Language and Literatures.  
Including Greek and Latin.
- II. Art and Architecture.
- III. Bible and Religious Education.
- IV. Biological Sciences.
- V. Business and Economics.
- VI. Education and Psychology.
- VII. English Language and Literature.  
Including Public Speaking and Journalism.
- VIII. Home Economics.
- IX. Library Science.
- X. Mathematics.
- XI. Modern Languages and Literatures.  
Including Spanish, French and German.
- XII. Physical Education.
- XIII. Physical Sciences.  
Including Chemistry and Physics.
- XIV. Social Sciences.  
Including History, Sociology, Political Science  
and Geography.

#### PRESCRIBED WORK

During the freshman and sophomore years each student will be expected to complete as much as possible of the following prescribed work, all of which must be finished before the end of the junior year:

1. Eighteen hours in English, consisting of English 101-103 and 105-107, required of all freshmen and sophomore students, except that students working for the B. S. degree in sciences are exempt from 105-107. Speech 101-102 are re-

quired of all who do not pass the placement test in speech with sufficiently high scores.

2. Fifteen hours in a single foreign language above the entrance requirements of two units in any language are required of students majoring in biological or physical sciences, and is urgently recommended for all others who expect to enter graduate schools. Majors in these departments entering with no foreign language must complete twenty-five hours in college. Those entering with a single unit of language and continuing the same language must complete twenty hours in college.

3. Twenty-two hours must be taken in groups X, XIII, and IV. combined. At least ten hours of this requirement must be in either group XIII, or group IV in laboratory courses. Five hours may be in group VIII.

4. At least nine hours including history 107 must be taken in group XIV.

5. At least five hours must be taken in group III.

#### JUNIOR AND SENIOR REQUIREMENTS

At least sixty term hours within the total required for the Bachelor's degree must be taken in courses numbered 200 and above, and these must be taken in the junior and senior years only. Any 200 course taken by permission earlier will count as a 100 course. Senior students taking freshman courses will be discounted one-fifth of the credit for each course.

Not later than the beginning of the junior year each student is required to choose a department in which he desires to specialize, and in which he shall complete not less than forty nor usually more than sixty term hours, as the head of the department may specify. At least twenty-five of these hours must be in courses not open to freshmen and sophomores. Each student should advise with the head of his

chosen department as to the selection of courses within his department and in other departments.

With the advice of the professor in charge of the department in which he is specializing, the student shall choose two other departments, in one of which he shall complete not less than thirty and in the second not less than fifteen hours.

Students who enter with two or more years of college credit from another institution will be expected to follow the requirements outlined above as fully as possible. Those, however, who enter with three full years of college work may be released from the major requirement if it should be impossible to arrange their work to meet it.

Additional work may be required of candidates for graduation as a penalty for improper conduct. No student will be graduated who is guilty of any gross offense, or who has failed to make satisfactory arrangements for his fees and tuition.

#### ELECTIVES

Aside from the required work of the freshman and sophomore years, and the requirements for specializing in his chosen department, the student is at liberty to elect such courses as he may desire. The following regulations govern the selection of all elective and required courses:

1. No student may be enrolled in any subject in advance of any other which he has yet to take and which is offered in the schedule.
2. During the freshman and sophomore years not more than thirty hours may be taken in any one department.
3. No freshman or sophomore may carry more than ten hours in any one group at one time without special permission.

#### BACHELOR OF SCIENCE

The degree of Bachelor of Science also requires the completion of one hundred ninety-two hours of college work, together with a scholarship record of two hundred twenty honor points. At least forty-five hours must be completed in residence here, twenty of which must be in the student's senior year. Should a student enter with advanced credit the number of honor points required will be proportionally reduced.

During the freshman and sophomore years the student must meet the requirements in English, foreign languages, social sciences, and Bible that are required for the Bachelor of Arts degree, with the exception of English 105-107.

He must select at least four sciences (such as physics, chemistry, mathematics, Botany, zoology, physiology) in two of which he must complete fifteen hours each and in two others ten hours each before the end of the junior year.

A total of one hundred term hours of science must be completed in the following groupings: fifty hours in one group and forty in two other groups combined; or forty hours in one group and fifty in two other groups combined.

#### BACHELOR OF SCIENCE IN HOME ECONOMICS

The curriculum for the Bachelor of Science in Home Economics is listed in the department of home economics.

#### BACHELOR OF LIBRARY SCIENCE

This degree requires the completion of one hundred ninety-two hours of work including the prescribed work for the B. A. degree, together with forty-five hours in Library Science and a reading knowledge of one foreign language. Students who hold the Bachelor of Arts or Bachelor of Science degree need complete only the forty-five hours in Library Science and possess a reading knowledge or a year's credit in a foreign language.

**BACHELOR OF MUSIC, BACHELOR OF SCIENCE IN MUSIC**

The courses leading to the degrees of Bachelor of Music and Bachelor of Science in Music are designed to cover four years of intensive study, not only in achieving a high degree of proficiency in the major subject, but also in attaining an understanding of the theoretical and esthetic principles of Musical Art. The requirements are set forth fully in the Division of the Fine Arts.

**AMOUNT OF WORK**

Three majors of work with an additional course in Bible, totaling fifty hours for the year, is the normal amount of work allowed each student. Students who carry such a course may enroll in one fine arts department, such as piano, art, expression, or voice, without credit; those who carry more than one of the fine arts courses must limit the amount of their regular work accordingly.

Students who work more than three hours a day for expenses will not be allowed to carry a full schedule of college work.

Sophomore students whose grades for the term immediately preceding have averaged B may carry eighteen hours but receive no credit for Bible.

Juniors and seniors whose grades for the term immediately preceding have averaged B may carry eighteen hours with Bible accredited.

But it is never wise for students to carry the maximum load. It is far better to carry the minimum and achieve a high scholastic record. Students who work for their school expenses should limit their courses proportionately. To carry a full load under such circumstances is ruinous both to health and to habits of thoroughness.

**COURSE NUMBERS**

The meaning of the numbers given to college courses is as follows:

1. Courses numbered from 100 to 199 are primarily for freshmen and sophomores. They may be elected by juniors and seniors with the advice of the head of their department.
2. Courses numbered from 200 upward are open only to juniors and seniors.

**SECONDARY TRAINING SCHOOL**

A complete high school is maintained as a unit of our teacher training system for the supervision of teachers in secondary education. While the faculty and administration are separate from and independent of the college organization, it works in co-operation with the education department of the college in putting into practice the best educational methods. The faculty of the Secondary Training School is enrolled in the High School Catalog, which is published as the July Bulletin. It will be sent to any address on request.

**ELEMENTARY TRAINING SCHOOL**

The Elementary Training School is maintained on the grounds for two purposes: First, to serve as a laboratory for the Department of Education in the training of efficient teachers and in working out problems in elementary school methods and practice; and second, to give a limited number of children the finest training it is possible for us to give them in a model elementary school. The training school includes the entire eight grades below the academy. It is under the general direction of the department of education, but each grade is also under an experienced and capable teacher, who conducts all the work, and assists the students who may do practice teaching in the department by suggestions and criticisms of their plans and methods.

The faculty for the Teachers' Training School is also enrolled in the Academy Section.

# Teachers Certificates

Teachers' certificates of various types are issued by the State Department of Education to students who fulfill the requirements for such types.

The following curricula are designed to meet these requirements. They are in harmony also with the most advanced theory and practice in the training of teachers.

## I. THREE-YEAR ELEMENTARY CERTIFICATE

This certificate is based upon the completion of one year of college work, including not less than nine hours of education. It authorizes the holder to teach in non-classified of Class C and D schools.

The following courses are required for this certificate:

Fall Term	Winter Term	Spring Term
Biol. 100 .....3	Ed. 105 .....3	Art 110 .....3
Biol. 101 .....4	Eng. 102 .....3	Ed. 104 .....3
Ed. 102 .....3	Mus. 114 .....3	Eng. 103 .....3
Eng. 101 .....3	Soc. 102 .....3	Eng. 120 .....4½
Soc. 101 .....3	P. E. 120 .....3	Soc. 103 .....3
P. E. 100 .....0	P. E. 101 .....0	P. E. 102 .....0
16	15	16½

It is understood that all students take at least one daily Bible class, in addition to their other work.

## II. FOUR-YEAR ELEMENTARY CERTIFICATE

This certificate requires the completion of two years of college work, including not less than 18 nor more than 24 term hours in professional courses.

The following curriculum shows the required professional and subject matter courses for this certificate:

### FIRST YEAR

The first year follows the same requirements as those for the Three-Year Elementary Certificate outlined above.

## SECOND YEAR

Fall Term	Winter Term	Spring Term
Term Hours	Term Hours	Term Hours
Edu. 106 .....4½	Edu. 103 ....3 3	Eng. 107 ....3 3
Eng. 105 .....3	Eng. 106 ....3 3	Hist. 103 ....3 3
Hist. 101 .....3	Hist. 102 ....3 3	Ph. Sc. 100 ..4½ 4½
P. E. 135 .....3	Sp. 102 .....2 2	P. E. 130 ....3 3
Sp. 101 .....2	P. E. ....0	Elective .....3
	Elective .....5	or Ed. 140 .. 3
	or Ed. 140 .. 4½	
	15½	16½ 16½
	16 15½	

Only 4½ hours of directed teaching is permitted for this certificate, but this may be taken during any quarter of the sophomore year.

## III. SIX-YEAR ELEMENTARY CERTIFICATE

In addition to the requirements under II above, this certificate requires the completion of the four-year college course, including no less than 24 nor more than 36 hours in professional courses and the specialization in certain subject matter areas. The requirements of the junior and senior years are as follows:

### I. PROFESSIONAL REQUIREMENTS:

	Term Hours
Ed. 240 Directed Teaching .....	4½
From the following .....	3-11
Ed 204 Tests and Measurements .....	3
Ed. 205 Adolescent Psychology .....	3

### II. SPECIALIZATION REQUIREMENTS:

A. In addition to the work of the freshman and sophomore years listed under II above, the following general background courses are required:

Art 211 Public School Art .....	3
Music 242 Music Education .....	3
Home Ec. 100 (for Women) .....	5
Hist. 205-206 Presidential Administration .....	10
Geography 101 or 115 .....	3
Eng. 210 or 211 American Literature ..	5

Pol. Sc. 200 ..... 3  
 Science electives (for Women 4 hours)  
 (for men 9 hours)  
 Math. 110 Socialized Math. .... 4½

B. In one area of specialization, such as English, history and social sciences, music, art, or natural science, the student must complete a total of from 27 to 36 hours, including the work listed in the general requirements above.

**IV. JUNIOR HIGH SCHOOL CERTIFICATE ✓**

This certificate requires the completion of two years of college work, including not less than 13.5 nor more than 22.5 term hours in professional courses.

A student expecting this certificate must select at least two areas in which he will specialize for teaching. The following combinations are approved:

English ..... Latin, French, or Spanish  
 English ..... Social Science  
 Mathematics ..... Science  
 Mathematics ..... Social Science  
 Science ..... Social Science  
 Home Economics ..... Science  
 Home Economics ..... Social Science  
 Public School Music ..... English and Speech

In his selected groups the student will be expected to complete at least the number of hours indicated below:

	Term Hours
English .....	18
Mathematics .....	9
Sciences:	
Biology .....	12
General Science .....	12
(Including not less than 4½ hours each in biological and physical sciences)	
Latin, French, or Spanish .....	18
(Three hours may be deducted for each high school unit in the chosen language; maxi- mum deduction 9 term hours.)	

Social Science ..... 21  
 European History ..... 4½  
 American History ..... 4½  
 Three of the following ..... 12  
     Economics, Sociology,  
     Government, Geography.

**PLAN OF SELECTION**

The courses should be selected as nearly as possible in the following order:

FIRST YEAR		Term Hours
English 101, 102, 103 .....		9
Social Science 101, 102, 103 .....		9
Biology 101 .....		4½
*Speech 101, 102 .....		4
Physical Education 120 .....		3
Physical Education 100, 101, 102 .....		1
Physical Education 130 .....		3
Electives (not education) .....		15
		49½

SECOND YEAR		Term Hours
Physical Science 100 .....		4½
English 105, 106, 107 .....		9
History 101, 102, 103 .....		9
Education 102, 200, 205 .....		9
Education 150 .....		4½
One from the following: .....		3
Education 224 .....		3
Education 225 .....		3
Education 226 .....		3
Education 227 .....		3
Education 228 .....		3
Education 230 .....		3
Physical Education 205 .....		3
Electives .....		10
		52

\*Required unless exempted by entrance tests.

V. HIGH SCHOOL CERTIFICATE

This certificate, valid in both junior and senior high schools, requires the completion of a four-year college course, including not less than 24 nor more than 40 term hours in professional courses.

In selecting his major and minor departments, the student should consult the approved combinations given under the junior high school certificate. The following table indicates the number of hours needed for teaching in each group:

COMMERCE .....	48
Including the following:	
Business Ad. 102-104 .....	12
Business Ad. 105-107 .....	9
Business Ad. 108-110, 200 .....	17
Business Ad. 211 .....	4½
Business Ad. 216 .....	4½
English 110 .....	3
Geography 115 .....	3
ENGLISH .....	27
LATIN, FRENCH, SPANISH .....	27
(Three hours may be deducted for each high school unit in the chosen language, but maximum deduction nine hours.)	
MATHEMATICS .....	22.5
SOCIAL SCIENCES .....	36
Including:	
European History or 101, 102, 103 ..	9
American History .....	9
Three of the following: .....	12
Sociology, Geography, Government, Economics.	
SCIENCE .....	36
To teach in any one field — biology, physics, or chemistry — 12 hours are required in that field.	
PHYSICAL EDUCATION .....	27 to 36
Requirements in this field are given with description of courses in the department.	

PUBLIC SCHOOL MUSIC .....	45
Applied Music .....	18
(To be distributed in two fields, piano being one.)	
Appreciation, History, and Literature .....	9
Theory .....	12-13½
(Including Harmony, Sight-Reading, Ear Training Form, and Analysis.)	
Conducting and Ensemble .....	3-4½

APPLIED MUSIC:

Requirements the same as for the certificate in Public School Music, except that at least 13½ hours must be taken in the particular field in which the certificate is desired.

PLAN OF SELECTION

The best plan for the selection of courses is given in the following outline:

FIRST YEAR		Term Hours
English 101, 102, 103 .....	9	
Speech 101, 102 .....	4	
Elective (not Education) .....	32	
		<hr/> 45
SECOND YEAR		
English 105, 106, 107 .....	9	
Education 102 .....	3	
Elective .....	38	
		<hr/> 50
THIRD YEAR		
Education 200, 205 .....	6	
Education 201, 202, or 204 .....	3	
Elective .....	41	
		<hr/> 50
FOURTH YEAR		
Education 250, 251 .....	8	
Of the following, one or more .....	3-6	

Education 220 .....	3
Education 224 .....	3
Education 226 .....	3
Education 227 .....	3
Education 228 .....	3
Education 230 .....	3
Education 232 .....	3

Electives ..... 35-38

50

**VI. HOME ECONOMICS CERTIFICATES**

Since the certification of teachers for Smith-Hughes positions in high schools is confined to only one or two institutions in each state, Harding College cooperates with this teacher-training program by offering all the courses leading to such certificates with the exception of the methods and supervised teaching. Students may receive the Bachelor of Science in Home Economics and then transfer to an acceptable graduate school and complete the requirements for the Smith-Hughes certificates at the same time they receive their M. S. degree. Such students will also be qualified for home demonstration work. Or they may transfer at the end of their second or third year to one of the institutions selected for such certification. The following, however, are the requirements for the Smith-Hughes certificates in home economics:

**HOME ECONOMICS:**

	Term Hours
Food and Nutrition .....	18
Clothing and Textiles .....	12
Home Management Residence .....	3
Child Development (This may include Child Psychology) .....	9
Family Relationships .....	3
Home Nursing .....	3
Household Economics .....	3
<hr/>	
	51

**RELATED SCIENCE AND ART:**

Elementary Design .....	9
Costume Design .....	3
Home Planning and Equipment .....	4½
House Furnishing .....	3

General Chemistry .....	12
Organic and Physiological Chemistry .....	6
General Zoology and Human Physiology .....	4½
Household Bacteriology .....	6
Sociology .....	3
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	51

**EDUCATION:**

Education or Adolescent or Child Psychology .....	9
Adult Education .....	3
Special Methods in Teaching Home Economics .....	3
Supervised Observation and Student Teaching .....	7½
Principles of Secondary Education .....	3
Technique of Teaching .....	3
Tests and Measurements .....	3
<hr/>	
	31½

**ACADEMIC AND ELECTIVES:**

English .....	9
English or Modern Language .....	9
Journalism .....	4½
Additional Electives .....	34
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Complete Total .....	56½
	192

**PLAN OF SELECTION**

The best plan of selection, together with complete requirements for the B. S. in Home Economics, will be given preceding the description of courses in the department.

**CERTIFICATES FOR OTHER STATES**

**APPLICATION FOR CERTIFICATES**

Students desiring teachers' certificates in this or other states are charged a fee of \$1.00 for the preparation of the application.

## I. Ancient Languages and Literatures

### GREEK

The work of this department is designed primarily for those who wish to gain a knowledge of Greek for the purpose of Biblical study.

101, 102, 103. ELEMENTARY GREEK 15 Hours

A study of the grammar and syntax of the Greek language together with its literature. In the first course the epistles of John are read. The second course continues the grammar with further readings from the New Testament. The third course finishes the remaining portions of the grammar, and covers the gospel of John and as much as possible of Mark. Fall, Winter, Spring. 8:00. Burke.

104, 105, 106. ADVANCED GREEK 15 Hours

The three courses contain a further study of Greek grammar and syntax together with systematic work in Greek composition and continuous vocabulary reviews. In the first course the gospels of Matthew and Luke are read. In the second, the shorter Pauline epistles are begun, and in the third the remaining Pauline epistles are covered with the exception of Romans and the two letters to the Corinthians. Fall, Winter, Spring. 1:15. Burke.

## II. Art and Architecture

The study of art is a valuable aid to mental discipline and to the development of taste and general character. It is desirable that students take the regular course, which will be modified to meet the demands of those taking art for home decoration. Outdoor sketching, when practicable, will be given throughout the course.

The annual Art Exhibit is one of the most important social events. No work is allowed to be taken from the college until after the exhibition.

Students who intend to specialize in Art are advised to take English as their first minor and French as their second minor. Their courses must include Art 218, 219, 220, (Art History) in addition to the practical courses in Art, as required, which shall include 101-106 and 201-203 or the equivalent.

101, 102, 103. FREEHAND DRAWING 9 Hours

Freehand drawing in charcoal, pencil, colored chalk and watercolors, of still life objects, geometric solids and casts, to learn the principles of

delineation in outline and in light and shade. 11:30 and by appointment. 8 hours studio work per week. Fall, Winter, and Spring.

104, 105, 106. INTERPRETATION OF FORM 9 Hours

Continuation of interpretation of form rendered in full light and shade, progressing into more difficult arrangements and subjects. Study of the head and costumed figure in charcoal, pencil, lithographic pencil. Still life studies in watercolors and oils. Landscape sketching. Composition, perspective problems, memory work. 9:00 and by appointment. Eight hours studio work per week. Fall, Winter and Spring.

110, 211, 212. PUBLIC SCHOOL ART 9 Hours

These three courses are planned to take care of the needs of those who intend to teach in the public schools. The first, course 110, covers art for primary grades: elementary drawing, freehand paper cutting, study of color begun, clay modeling, water color, crayolas. Fee \$2. The second course, 211, for teachers of intermediate grades, covers intermediate handiwork, fabric painting, gesso, wax modeling, etc. Fee \$2. The third course 212, for teachers in upper grades, includes advanced handiwork, drawing and water color painting. Course 110, Spring, T., Th., 2:15-4:15; 211, Fall; 212, Winter. Fee \$2. Twice a week in two hour periods, for each of these courses.

113, 114, 115. COMMERCIAL DESIGN 9 Hours

Practical application of art to commercial needs, including lettering and the designing and executing of advertisements, Fall, Winter, and Spring. 9:00 M., W., F. Fee \$2.

117. ELEMENTARY DESIGN 3 Hours

A course especially for home economics students designed to give the application of art principles in every day life. Color, proportion and balance are stressed. Fall, 8:00, M., W., F. Fee \$2.

118. APPLIED DESIGN 3 Hours

Prerequisite 117. A continuation of 117 in flat pattern designing and color. Executing designs for rugs, linoleum, wall paper and textiles. Winter, 8:00, M., W., F. Fee \$2.

120. MECHANICAL DRAWING I. 3 Hours

A course in freehand drawing in charcoal and pencil of still life, geometric objects and outdoor sketching. Fall. 2:15-4:15, M., W., F. Fee \$2. Dykes.

121. MECHANICAL DRAWING II. 3 Hours

Shades and shadows, perspective, elementary design, and working



drawings. Class of four required. Winter, 2:15-4:15, M., W., F. Fee \$2. Dykes.

122. ARCHITECTURAL DESIGN 3 Hours

Continuation of 121. Original designing, working drawings, and rendered executions, in various mediums, of problems adapted to the architectural field. Spring. 2:15-5:15, M., W., F. Fee \$2. Dykes.

201, 202, 203. ADVANCED PAINTING 9 Hours

Portrait study in charcoal, lithographic crayons, colored chalk and in oils. Still life and landscape painting in oils and watercolors. Study of other mediums if desired. Composition, color theory and design as applied to decorative painting. 1:15 and by appointment. Eight hours studio work per week. Fall, Winter, and Spring.

205, 206, 207. PORTRAIT AND MURAL PAINTING 9 Hours

Portrait in color, decorative design in original creations for wall hangings other than easel pictures. Theory of design and composition continued. Mural painting. Fall, Winter, and Spring. 1:15 and by appointment. Eight hours studio work per week.

210. ADVANCED COSTUME DESIGN 3 Hours

Prerequisites, Art 117, Art 118. Art principles applied to dress designing. Sketching original designs; application of color to individual problems in distinctive dress. Fall, 1:15. M., W., F. Fee \$2.

218. HISTORY OF ART 3 Hours

Painting in ancient, classic, and mediaeval times; and the Italian. Practice in interpreting selected examples. Fall. 10:30. M., W., F.

219. HISTORY OF ART 3 Hours

French, Spanish, Dutch, British, and American painting. Winter. 10:30. M., W., F.

220. HISTORY OF SCULPTURE AND ARCHITECTURE 3 Hours

A survey of the great periods of sculpture and architecture with an analysis of the difference in types. Spring. 10:30. M., W., F.

**PIDDLERS CLASS**

Wednesday P. M. from 1:15 to 4:15 there will be given an opportunity for any who are not already enlisted in an art class to come into the Art Studio and work without obligation to conform to any form of criticism. They may work in any medium they may bring. The only obligation is the fee of \$5 per term. This Piddlers' Class is designed to help some one to discover himself in Art.

### *III. Bible and Religious Education*

So deeply do religious thought and ideals enter into the social structure and development of all peoples that no man can understand the world in which he lives without a knowledge of its religious foundations. The work of this department is adapted to the needs of four classes of students. For the student who wants the culture and spiritual values to be derived from contact with the greatest spiritual teachers, the courses in Bible and religious literature introduce him to the profoundest thinking of men and to much of the greatest literature of the world. For the student who wishes to prepare himself for leadership in religious and social work the courses not only in Bible but in Christian education and history are designed. For the student who plans to devote his life to preaching, to missionary work, or to religious journalism all the above courses together with those in homiletics and Christian teaching are offered.

Students desiring to major in Bible and Religious Education must complete not less than forty nor more than sixty hours in the department, including 212, 213, 214, 240, 242, and ten hours of additional 200 work. They must also select a second major in which they must complete from forty to fifty hours. It is recommended that English, Social Sciences, Biological Science, Journalism, Public School Music or Speech be the second major. It would usually be well to include enough education to meet the minimum teaching requirements. Related courses recommended for majors in the department include Religious Journalism 212, Greek Speech, Debating, and Education 102, 103, and 205, Educational, Child, and Adolescent Psychology.

The library contains a fairly large collection of the best works dealing with the Bible and Biblical history. Besides a number of the standard commentaries, it has Hasting's Encyclopedia of Religion and Ethics, the Schaft-Herzog Encyclopedia of Religious Knowledge, Schaft's Church History complete, together with a number of other monumental works; the works of the early Fathers, the works of Campbell, McGarvey, and others of the restoration movement; the Millennial Harbinger, the Catholic Encyclopedia, the Jewish Encyclopedia, and many other valuable works.

## I. BIBLICAL LITERATURE

- 101, 102, 103. NEW TESTAMENT SURVEY 5 Hours  
A survey of New Testament literature with special attention in the fall to Matthew, in the winter to Acts, and in the spring to Hebrews. Lectures and interpretation. Fall, Winter, Spring, 10:30, 11:30, 1:15, 2:15. Bell, Dykes, Mattox.
104. THE PENTATEUCH 1 2-3 Hours  
A study of the inspired account of the beginning of things, of the Patriarchs, and of the Law. The five books of Moses are studied as closely as time permits. The book of Deuteronomy is emphasized especially as a devotional study. Fall. 8:00, 10:30, 1:15. Bell, F. Rhodes.
105. THE HEBREW NATION 1 2-3 Hours  
A study of Israel's history from the feeble beginnings under Joshua to the Babylonian captivity. The prophets of this period are studied in their proper historical setting. Throughout this interesting period of Bible history, replete with striking men and women, God is held up as the most interesting being of them all. His attitude towards man in his desperate struggle with sin, which is the supreme question of the ages, is stressed continually. Winter. 8:00, 10:30, 1:15. Bell, F. Rhodes.
106. RESTORATION AND INTER-  
BIBLICAL HISTORY 1 2-3 Hours  
A study of Jewish history from the coming out of Babylon to the birth of Christ. Ezra, Esther, Nehemiah, Daniel and most of the books of the Apocrypha are studied. The prophets who wrote during this time of the Restoration are read in their proper connection. Considerable attention is also given to the contemporaneous history of Babylon, Persia, Greece and Rome. Spring. 8:00, 10:30, 1:15. Bell, F. Rhodes.
201. JOHN 1 2-3 Hours  
A close study of the fourth gospel by analytical outline, memory work, and historical interpretation. Special emphasis is placed upon this gospel as the exponent of the spirit of Christianity. Prerequisite: Bible 101-103. Fall. 10:30. Rhodes.
202. ROMANS 1 2-3 Hours  
A careful study of the epistle to the Romans by analytical outline and doctrinal content. A close following of the development of the theme of the book. A thorough grasp of the argument and teaching is sought. Winter. 10:30. Rhodes.

203. FIRST AND SECOND  
CORINTHIANS 1 2-3 Hours  
A consideration of the founding and historical connections of the Church of Corinth. A topical outline and an interpretation of Paul's Corinthian epistles. The many fundamental principles and practical lessons of the books are emphasized. Spring. 10:30. Rhodes.
205. THE TEACHING OF CHRIST 1 2-3 Hours  
This course studies the teaching of Christ, as contained in the four Gospels, on fundamental themes such as Christ's teaching concerning God; the Holy Spirit; Himself; Man; Sin; and the Kingdom of Heaven. Fall. 2:15. Bales.
206. SHORTER EPISTLES OF PAUL 2 Hours  
First Thessalonians, Second Thessalonians, Galatians, the four "Prison Epistles" (Ephesians, Philippians, Colossians and Philemon), and the three "Pastoral Epistles" (First Timothy, Titus, and Second Timothy) are taken up in the order in which they were written. Historical setting, correlation with the author's life, and teaching of each book are gone into closely. Winter. 2:15. Bales.
207. GENERAL EPISTLES 2 Hours  
An intensive study of the letters of James, Peter, John, and Jude. Historical setting, peculiarities of style, doctrines, and spirit of each are emphasized. Spring. 2:15. Bales.
- II. RELIGIOUS HISTORY
102. ACTS 1 2-3 Hours  
Growth of the church during the first half century. Same as Bible 102. Winter. 10:30, 11:30, 2:15. Bell, Dykes, Mattox.
- 104, 105, 106. OLD TESTAMENT  
HISTORY 1 2-3 Hours  
Same as Bible 104, 105, 106 above. Winter, Spring. 8:00, 10:30, 1:15. Bell, F. Rhodes.
210. THE TEACHING OF PAUL 3 Hours  
A systematic study of Paul's teaching on such great themes as the atonement; baptism; Christ; the church; and the providence of God; the apostasy; and the coming of Christ. Fall. 8:00. M., W., F. Bales.
212. RISE OF CHRISTIANITY 3 Hours  
The growth of Christianity from the first century to the beginning

of the great reform movements of the fourteenth century. Reading in the early church Fathers, and the influence of the barbarian invasions and pagan thought. Fall. 9:00. M., W., F. Mattox.

213. THE REFORMATION PERIOD 3 Hours

Development of Christianity through the great reform movements of Wycliff, Luther, Calvin, and other religious leaders before the eighteenth century. Winter. 9:00. M., W., F. Mattox.

214. CHRISTIANITY IN THE MODERN WORLD 3 Hours

A study of Christianity from the beginning of the eighteenth century to the present. This includes the Wesleyan revival and the restoration movements of the nineteenth century. Spring. 9:00. M., W., F. Mattox.

224. GEOGRAPHIC AND SOCIAL BACKGROUNDS OF CHRISTIANITY 3 Hours

A study of the geography of Palestine and the related areas together with the social conditions and customs which aid in an understanding of Christian thought. Winter. 8:00. M., W., F. Mattox.

220. OUTLINE OF CHINESE HISTORY 5 Hours

A survey of Chinese religious thought and political developments. Same as History 220. Fall. 2:15. Benson.

### III. RELIGIOUS TEACHING

107. PREPARATION OF SERMONS 3 Hours

This course is designed for those who are just beginning their preparation for preaching the gospel. It deals with fundamental truth, giving a background upon which to build, and studies the relative importance of scriptural subjects with view to a better understanding of needs in the church. After deciding where the emphasis is placed by New Testament preachers, subjects will be studied and outlines made. This course should prepare a young man with materials and attitudes whereby he could begin public preaching. Open to freshmen. Spring. 3:15. M., W., F. Mattox.

108, 109, 110. PREPARATION OF SERMONS 9 Hours

An intensive study of many fundamental doctrines. Same as Religious Education 108, 109, 110. Not open to freshmen. Fall, Winter, Spring. 11:30. Bales.

220. COMPARATIVE RELIGION 3 Hours

This course includes a study of the origin, teaching and fruits of the chief world religions (Confucianism, Buddhism, Taoism, etc.) in comparison with each other and with the Christian religion. Winter. 1:15. Bales.

232, 233, 234. HISTORY OF CHRISTIAN THOUGHT 9 Hours

A study of the development of religious doctrines, with attention to the particular situations out of which they arose, the values which they intended to secure, and their relation to the teaching of the New Testament. Fall, Winter, Spring. 10:30. M., W., F. Bales.

240. 242. CHRISTIAN EVIDENCE 6 Hours

A survey of the entire field of Christian evidence with special emphasis on the credentials of Christ as constituting the heart of Christian evidence. Winter, Spring. 1:15. Bales.

### IV. CHRISTIAN EDUCATION

107. PREPARATION OF SERMONS 3 Hours  
Same as Religious Teaching 107. Open to freshmen.

108, 109, 110. THE PREPARATION OF SERMONS 9 Hours

An intensive study of the construction and use of sermon outlines. Outlines are constructed in class and some original outlines are required of each student. This class is not open to freshmen. Fall, Winter, Spring. 11:30. Bales.

250. EDUCATIONAL PROGRAM OF THE CHURCH 3 Hours

This course is an introduction to the study of the educational work of the church, including the responsibility, the aim of its work, direction and supervision, the preparation of the teachers and their relation to pupils, grading and classification, curriculum, agencies and methods, organization and administration. Fall. 8:00. Mattox.

252. THE MASTER TEACHER 3 Hours

This is a study of the nature, character, qualifications, and technique of the successful religious teacher. Jesus is accepted as the standard, the Master Teacher, and an effort is made to understand the nature of his approach, his method of teaching, and the power of his influence, and to apply these principles to present day situations. Spring. 9:00. Dykes.

253. PROBLEMS OF THE CHURCH 3 Hours

Special study is made of problems that arise in the local congregation. Problems of church organization, worship, work and life are studied in the light of scriptural solutions. Church finance, woman's work, discipline, divorce and remarriage, hersy, etc., are dealt with as time permits. Spring. 8:00. Mattox.

254. PERSONAL EVANGELISM 1 Hour

This class meets one hour a week during the Spring term to study the principles of personal evangelism. The student is given an opportunity to practice these principles in campaigns which are conducted in various parts of the United States during the summer months. The work is supervised and regular reports are submitted. The class work counts for one hour of credit but the student who engages in the campaign work may receive up to nine hours of credit. Spring. T. 8:00. Bales.

255. MISSIONARY TECHNIQUE 3 Hours

This is a study of the work of the different missions on Oriental fields, including a study of their methods, both past and present. Health problems and living conditions on the foreign fields are also studied. Spring. 8:00. Benson.

256. DIRECTED MISSION SERVICE 2-6 Hours

A practical course in missionary and evangelistic work under direct supervision. It will include guidance and practice in personal work, home visits, teaching, preaching, radio broadcasting, and other phases of the minister's work. Students will be specially chosen and approved for definite fields or centers, which will include the larger cities as well as towns and rural sections. Summers. Benson.

### IV. Biological Sciences

The courses in biology have been organized to meet the needs of those students who desire to obtain some knowledge of biology as a part of their general education, those who need it to satisfy the requirements of other departments, and those who desire to specialize in this field of science.

The department occupies four rooms well equipped for undergraduate courses in botany, zoology, bacteriology, and physiology. The library contains a large number of standard reference works and periodicals dealing with the various phases of biological science.

It is advisable that students specializing in biology obtain a broad scientific foundation including work in the related sciences, and a reading

knowledge of French or German. They should plan to take courses in mathematics, chemistry, physics, and other allied sciences. Premedical students should plan to take courses 101, 102, 103, 201, and 209; additional courses are very desirable.

### BACHELOR OF SCIENCE IN BIOLOGICAL SCIENCES

For the degree of Bachelor of Science in Biological Sciences the following is the best arrangement of courses, and any change from this schedule should be approved by the head of the department. Those preparing to teach sciences in high school should take the courses marked \*. Otherwise these courses may be omitted and others elected in their place.

FIRST YEAR		
Fall Term	Winter Term	Spring Term
Biol. 101 .....4	Biol. 102 .....4	Biol. 103 .....4
Chem. 101 .....5	Chem. 102 .....5	Chem. 104 .....5
Eng. 101 .....3	Eng. 102 .....3	Eng. 103 .....3
Ger. 101	Ger. 102	Ger. 103
or Fr. 101 ....3	or Fr. 102 .....3	or Fr. 103 ....3
P. E. 100 .....0	P. E. 101 .....0	P. E. ....0
—	—	—
15	15	15
SECOND YEAR		
Fall Term	Winter Term	Spring Term
Chem. 105 .....5	Chem. 106 .....5	Biol. 203
Ger. 104	Ger. 105	or 208 .....5
or Fr. 104 ....3	or Fr. 105 .....3	Ger. 106
Math. 105 .....5	Math. 104 .....5	or Fr. 106 ....3
Sp. 101 .....2	Sp. 102 .....2	*P. E. 130 .....3
P. E. ....0	P. E. ....0	Sp. 103 .....2
—	—	Elective .....3
15	15	16
THIRD YEAR		
Fall Term	Winter Term	Spring Term
Biol. 211-212 .6	Biol. 214	Biol. 208
or Biol. 206.. 5	or 215 .....5	or 203 .....5
Chem. 201 ...6 6	*Ed. 200 .....3	*Ed. 205 .....3
Soc. 101 .....3 3	Soc. 102 .....3	Soc. 103 .....3
*Ed. 102 ....3 3	Elective .....5	Elective .....5
—	P. E. ....0	P. E. ....0
18 17	—	—
	16	16

FOURTH YEAR					
Fall Term		Winter Term		Spring Term	
Biol. 206 ....	5	Biol. 201 ....	5	Biol. 208 ....	5
or 211-212 ..	6	*Ed. 250 ....	4½	*Ed. 251 ....	5
*Ed 201 .....	3	Phys. 104 ....	5	Phys. 105 ....	5
Phys. 103 ....	5	Elective .....	2	Elective .....	2
Elective .....	3	P. E. ....	0	P. E. ....	0
P. E. ....	0				
<hr/>		<hr/>		<hr/>	
16 17		16½15		17 18	

100. CONSERVATION OF NATURAL RESOURCES 3 Hours

Required of all high school teachers. Covers the conservation of the soil, forests, wild life, minerals, water power, and other natural resources. Fall. M., W., F. 3:15. Pryor, Pryor, Sears.

101, 102, 103. GENERAL BIOLOGY 12 Hours

This course is designed to cover the field of biology, and is required of all students majoring in biology and of all pre-medical and pre-dental students. Emphasis will be placed on animal and plant morphology and physiology, the properties and activities of protoplasm and the cell, classification, nutrition, adjustment, reproduction, development, heredity, plant and animal parasites and their relation to disease, and a survey of the plant and animal kingdoms. Three lectures and four hours of laboratory per week. Fall, Winter, Spring. 8:00. M., W., F. 8:00-10:00 T., Th. Sears.

201. COMPARATIVE VERTEBRATE ZOOLOGY 5 Hours

An intensive and comparative study and dissection of such vertebrates as dogfish, necturus, turtle, pigeon, and cat will be made. Prerequisites: Biology 101, 102, 103. Lectures and recitations. M., W., F. 10:30; Lab. T. Th., 10:30-12:30. Fee \$4. Winter. Sears.

203. ENTOMOLOGY 5 Hours

This course will give the student an introduction to the insect life of this region. It will include a study of structure, classification, life history, and habits of insects and their economic importance. Prerequisites: Biology 101, 102 and 103. Lectures and recitations. W., F., 11:30. Lab. T. Th., 10:30-12:30. Fee \$4. Fall. (Given in 1945-46). Sears.

206. HUMAN ANATOMY—PHYSIOLOGY 5 Hours

A study of the structure, function and relationship of the various parts of the human body. Attention will also be given to physiological processes of the human body. Prerequisites: Biology 101, 102, and 103. Lectures and recitations. M., W., F. 10:30. Lab. T., Th. 10:30-12:30. (Alternates with 211, 212. Given 1946-47). Fee \$4. Fall. Sears.

208. FIELD BIOLOGY AND ECOLOGY 5 Hours

A study in identification and classification of the principal animal and plant groups of this region. This course will also include a study of the relations of the organism to the physical and biological conditions under which it lives. Prerequisites: Biology 101, 102, and 103 and junior or senior standing. Lectures and recitations. M., W., F. 11:30. Lab. T., Th. 10:30-12:30. (Given 1946-47). Fee \$4. Spring. Sears.

209. VERTEBRATE EMBRYOLOGY 5 Hours

A course dealing with the fundamental facts and processes of development, the cell and cell division, maturation, fertilization, and cleavage. Emphasis will be placed on the frog, chick, and pig. Prerequisite: 201. Lectures and recitations. M., W., F. 10:30. Lab. T., Th. 10:30-12:30. Fee \$4. Winter. Sears.

210. ANIMAL MICROLOGY 3 Hours

A course designed to teach the student to prepare microscope slides and to interpret histological preparations. Emphasis is placed upon a few simple and established techniques rather than a variety of difficult procedures. Prerequisites: Biology 101-103. Fee \$4. Spring 9:00 (Given 1946-47 and alternate years.) Sears.

211, 212. GENERAL BACTERIOLOGY 6 Hours

An introductory course in bacteriology dealing with the morphology and physiology of the most important groups of bacteria. Prerequisites: Biology 101-103, or consent of the instructor. Lectures and recitations M., W., F. 10:30; Lab. T., Th. 10:30-12:30. Fee \$4. Deposit \$2. Fall. (Alternates with 206. Given 1945-46.) Sears.

214. HUMAN HEREDITY AND EUGENICS 5 Hours

This course is designed for the general student and majors in education, biology and social science. Facts of human inheritance, variation, selection and the effect of eugenic measures will be discussed. Prerequisite: Junior standing or consent of the instructor. (Alternates with 215. Given 1945-46.) Winter. 11:30. Sears.

215. HEREDITY 5 Hours

This course is designed for the majors in the field of Biology. Emphasis will be placed on the fundamental principles of heredity in their application to animals, plants, and mankind. Prerequisite: Biology 101, 102, 103, and Junior standing. (Alternates with 214. Given 1946-47). Winter. 11:30. Sears.

227. TEACHING OF SCIENCE 3 Hours

A practical course in materials and methods for teaching the sciences in junior and senior high schools. Attention is given to the curricula, to specific aims, to methods of vitalizing and clarifying subject matter, and to testing results. Required of all who plan to teach science in high schools. Lectures and recitations. M., W., F. 9:00. Fall. Sears.

## V. Business Administration and Economics

The work of this department meets the needs of three classes of students: those who desire a business training that will qualify them for secretarial, accounting, or administrative positions in the business world; those who plan to teach business courses in high schools or commercial colleges; and those who wish a general knowledge of business procedure as a single phase of their college work. Those majoring in the department for the Bachelor's degree must elect Acctg. 108, 109, 110, 200, as well as Economics 201 and Mathematics 111. All typing and short hand courses may be counted toward a degree but only six hours may be counted toward the forty-five required for a major in Business Administration. Those planning to teach commercial subjects in high schools must elect 228.

Minor teaching fields recommended for teachers are history and social sciences, English, and mathematics. For those planning for secretarial work English and speech, or journalism are recommended.

### SECRETARIAL COURSE

For the one-year secretarial course the following is the suggested plan of selection. Those who take a two-year course, however, should leave 108, 109, 110 for the second year.

Fall Term		Winter Term		Spring Term	
B. A. 102	.....4	B. A. 103	.....4	B. A. 104	.....4
B. A. 105	.....3	B. A. 106	.....3	B. A. 107	.....3
B. A. 108	.....4	B. A. 109	.....4	B. A. 110	.....4
Eng. 101	.....3	Eng. 102	.....3	Eng. 103	
Sp. 101	-	Sp. 102		or 110	.....3
or Elective	.....2	or Elective	.....2	Sp. 103	
P. E. 100	.....0	P. E. 101	.....0	or Elective	.....2
	—		—	P. E. 102	.....0
	16		16		16

### COURSE FOR TEACHERS

For those planning to teach and working toward the Bachelor of Science in Business Administration, the following is the suggested plan of selection. A second teaching field should also be selected as a minor. If this is history and social sciences it should include 10 hours of American history and five of elective history.

#### FIRST YEAR

Fall Term		Winter Term		Spring Term	
B. A. 102	.....4	B. A. 103	.....4	B. A. 104	.....4
B. A. 105	.....3	B. A. 106	.....3	B.A. 107	.....3
Eng. 101	.....3	Eng. 102	.....3	Eng. 103	.....3
Soc. 101	.....3	Soc. 102	.....3	Soc. 103	.....3
Sp. 101	.....2	Sp. 102	.....2	Sp. 103	.....2
P. E. 100	.....0	P. E. 101	.....0	P. E. 102	.....0
	—		—		—
	15		15		15

#### SECOND YEAR

Fall Term		Winter Term		Spring Term	
Biol. 101	.....4	Biol. 102	.....4	Biol. 103	.....4
B. A. 108	.....4	B. A. 109	.....3	B. A. 110	.....4
Eng. 105	.....3	Eng. 106	.....3	Eng. 107	.....3
Hist. 101	.....3	Hist. 102	.....3	Hist. 103	.....3
Elective	.....2	Elective	.....2	Elective	.....2
P. E.	.....0	P. E.	.....0	P. E.	.....0
	—		—		—
	16		16		16

## THIRD YEAR

Fall Term	Winter Term	Spring Term
B. A. 200 .....5	B. A. (Elective) .5	B. A. (Elective) ...5
B. A. 211	Ed. 200 .....3	Ed. 205
or Eco. 201 ....4½	P. E. 120 .....3	or 204 .....3
Ed. 102 .....3	Hist. 107 .....5	P. E. 130 .....3
P. E. 205	—	P. Sc. 100 .....4½
or Ed. 201 ....3	16	15½
15½		

## FOURTH YEAR

Fall Term	Winter Term	Spring Term
Eco. 201	B. A. (Elective) .5	Ed. 251 .....4½
or B. A. 211 ....4½	Ed. 250 .....4½	Math. 111 .....3
Ed. 228 .....3	Geog. 115 .....3	Elective .....9
P. E. 205	Elective .....4	P. E. ....0
or Ed. 201 ....3	P. E. ....0	16½
Elective .....6	16½	
16½		

## 102, 103, 104. STENOGRAPHY 12 Hours

Courses 102 and 103 cover the fundamental principles of Gregg shorthand. During the first term special emphasis is placed on accuracy in reading and writing shorthand. Speed and accuracy are stressed during the second term through much dictation and transcription. Course 104 meets five days a week for class instruction and three days per week for laboratory work in actual office practice and secretarial training. A speed of 120 words per minute is required for credit for the third term. Fee for spring term, \$3.50, unless taken concurrently with typewriting. Fall, Winter, Spring. 8:00. Stapleton, Mrs. Rhodes.

## 105, 106, 107. TYPEWRITING 9 Hours

Accuracy, together with speed, is stressed from the very beginning. Requires a thorough technique in the typing of letters, telegrams, manuscripts and theses, copying rough drafts, tables of contents, bibliographies, outlines, programs, tabulations, legal work, and various other business forms most commonly used. A very high degree of accuracy is demanded. Students are required to master a speed of thirty words a minute for the first term; forty for the second term; and fifty words per minute for the third term, if credit is expected. Fee, \$3.50 per term. Fall, Winter, Spring. 11:30, 2:15, 3:15. Stapleton, Mrs. Rhodes.

## 108, 109, 110. PRINCIPLES OF ACCOUNTING 12 Hours

A very thorough course in accounting theory and practice in relation to single proprietorship, partnership, and corporation. In addition to study of practical records much attention is given to making and interpreting statements from the managerial standpoint. The student is made familiar with business forms and vouchers by the use of practice sets using business papers. During the third quarter a careful study is made of records for manufacturers, cost, and departmental accounting. Prerequisite: 100, 101, or high school bookkeeping, sophomore standing, or permission of instructor. Fall, Winter, Spring. Class M., W., F. 1:15 Lab. T., Th. 1:15-3:15. Rhodes.

## 115. COMMERCIAL GEOGRAPHY 3 Hours

This course deals with the natural resources of the country and their relations to commerce and business. It covers the business developments of outstanding nations. Attention is given to the factors fundamental to the industrial and commercial development of the United States. Winter. 3:15. Pryor.

## 200. INTERMEDIATE ACCOUNTING 5 Hours

Designed to train the student to analyze problems and apply the accounting principles involved. A series of graded problems is used to illustrate the form and content of a balance sheet, statement of profit and loss, corporations, cash and accounts receivable, notes and acceptances receivable, inventories, consignments, installment sales, tangible fixed assets, investments, statement of application of funds and other selected topics. Prerequisite: 110. Fall. 11:30. Rhodes.

## 201. INTRODUCTORY COST ACCOUNTING 5 Hours

An introduction to the study of cost accounting. The first half of the course covers methods of finding the cost of specific orders or lots. The second half covers the fundamentals of process costs, accounting for by-products and joint products, estimate costs, standard costs, and cost problems of department stores. Attention is given to the bookkeeping procedure necessary to accomplish correct results, also an acquiring familiarity with the uses of the forms more commonly utilized in cost accounting. Prerequisite: B. A. 110. (Given in 1945-46 and alternate years.) Winter. 11:30. Rhodes.

## 202. AUDITING PRINCIPLES 5 Hours

This course covers both theory and practice of auditing, discussion being supplemented with problems, questions and specimen working papers such as are applicable to balance sheet audits. The detailed subject

matter covers the auditing procedure involved in connection with cash and cash funds, receivables, inventories, investments, deferred charges, capital assets, intangible assets, liabilities — both actual and contingent, accounts showing net worth, closing of an audit, and preparation of audit reports. Prerequisite: B. A. 200. (Given 1945-46). Spring. 11:30. Rhodes

### 203. INVESTMENTS 5 Hours

Principles governing the proper investment of personal and institutional funds. Prerequisites: Business Administration 108 and Economics 201 or taken concurrently. Offered 1946-47 and alternate years. Fall. 8:00. Rhodes.

### 204. FEDERAL INCOME TAXES 5 Hours

A general course in federal income taxes. Particular emphasis is laid on the current law and the preparation of income tax returns for individuals, partnerships, corporations, and fiduciaries. Among the topics covered are: analysis of transactions, constructive receipts, earned income, sales and exchanges, capital gains and losses, inventories, depreciation, installment sales, involuntary conversion, dividend distributions. Prerequisite: B. A. 110. (Given in 1946-47 and alternate years.) Spring. 11:30. Rhodes.

### 205. ADVANCED ACCOUNTING 5 Hours

Designed to train the student to analyze problems and apply the accounting principles involved in different types of business. A series of graded problems is used to illustrate the form and content of partnerships, venture accounts, insurance, the statement of affairs, receiver's accounts, realization and liquidation, statement of realization, liquidation and operation, home office and branch accounting, consolidated balance sheets, estates and trusts and other selected topics. Prerequisite: Acctg. 200. (Alternates with 201. Given 1946-47.) Winter, 11:30. Rhodes.

### 206. STATISTICS 5 Hours

This course deals with graphic presentations, frequency distributions, averages, measures of skewness and variation, index numbers, analysis of time series, linear and non-linear correlation. (Offered in 1945-46 and alternate years.) Fall. 8:00. Rhodes.

### 207. PRINCIPLES OF MARKETING 5 Hours

The place of marketing in our economic structure; an analysis of the present marketing structures by functions, institutions, and commodities. Prerequisite: Economics 201. (Offered 1945-46 and in alternate years.) Spring. 8:00. Rhodes.

### 208. MONEY AND BANKING 5 Hours

Money, coinage, paper, currency, bi-metallism, gold and silver production, monetary standards and price levels, domestic and foreign exchange. History and principles of banking, with special attention to the Federal Reserve System. (Offered 1946-47 and alternate years.) Winter. 8:00. Rhodes.

### 210. CORPORATION FINANCE 5 Hours

Study of the different types of securities by which capital is provided for business corporations; the valuation, promotion, capitalization, financing, consolidation and reorganization of such corporations. (Offered 1946-47 and in alternate years.) Spring. 8:00. Rhodes.

### 211, 212. BUSINESS LAW 9 Hours

General principles of the law of contracts, agency, negotiable instruments, partnerships, corporations, personal and real property, and fiduciary relationships. Much time is devoted to the study of factual cases and the opinions pronounced by the courts in deciding them. Fall, Winter. (212 alternates with 213, and is given 1945-46). Stapleton, Mrs. Rhodes.

### 213. SALESMANSHIP 5 Hours

Designed to cover selling practice in most phases of the business cycle. A number of the topics to be covered are the development of the selling function, marketing and distribution, personality and point of view, laying the groundwork for the interview, arranging the interview, meeting the prospect, creating the wish to acquire, and many other topics covering excuses, aids to salesman, advertising. (Alternates with 212. Given 1946-47). Winter. 9:00. Stapleton, Mrs. Rhodes.

### 216. ACCOUNTING FOR FOOD CONTROL 5 Hours

A practical course for secretaries and prospective business executives, dealing with methods and techniques of office management. Throughout the course emphasis is given to the place, duties, and function of the office manager. Prerequisite: sophomore standing. Spring. 10:30. Stapleton, Mrs. Rhodes.

### 220. OFFICE MANAGEMENT 4 1-2 Hours

An elementary course for majors in Home Economics who are preparing for management of tea rooms, cafeterias or dining rooms of hospitals or other institutions. A brief study of principles with practice sets illustrating current methods of accounting used in these enterprises. Although there is no prerequisite for the course, it is strongly recommended



that those enrolling for this work shall have had at least a term's work in bookkeeping or accounting. A knowledge of typing will be advantageous. Spring. 11:30. (Given on demand). Mrs. Rhodes.

228. TEACHING COMMERCIAL SUBJECTS 3 Hours

A thorough and practical course in methods of presenting commercial subjects in high schools, with special emphasis on the teaching of shorthand, typewriting, bookkeeping. Required of students who expect to teach in the field of business education. Fall. M., W., F. 10:30, Stapleton, Rhodes.

250. DIRECTED TEACHING IN  
COMMERCIAL SUBJECTS 4 1-2 Hours

May be directed teaching in shorthand, typewriting, or bookkeeping. Required for the commercial certificate. Prerequisite or corequisite. Bus. Ad. 228 and junior standing. Fall, Winter, Spring. Time arranged by appointment.

## II. ECONOMICS

201. PRINCIPLES OF ECONOMICS 4 1-2 Hours

The basic principles of economics will be emphasized through this course, and will be applied as far as possible to specific problems. Fall. 10:30. Rhodes.

202. CURRENT ECONOMIC PROBLEMS 4 1-2 Hours

A careful study of the problems most vital at the present time. The effects of war and reconstruction on production, wages, employment, distribution of income, money, domestic and foreign trade, and the relations of government and business will be some of the topics discussed. (Alternates with B. A. 208. Given in 1945-46.) Winter. 8:00. Rhodes.

205. AMERICAN ECONOMIC HISTORY 5 Hours

Attention is given to colonial agriculture, industry, and trade. After 1789, the main lines of study are banking, transportation, tariff, the development of the natural resources, the rise of manufacturers, and the expansion of corporate methods in industry and trade, with special attention given to the history of American labor. Spring. (Offered 1946-47.) Rhodes.

## III. RELATED COURSES

The following courses closely related to the business field are recommended for those specializing in the different phases of business ad-

ministration.

Art. 113, 114, 115. *Commercial Design*. 9 Hours.

Speech.

Journalism 203. *Advertising*. 5 Hours.

Journalism 225. *News Photography*. 3 Hours.

Math. 111. *Mathematics of Investment and Insurance*. 5 Hours.

## VI. Education and Psychology

Courses in the department of education and psychology are designed to meet the needs of those preparing for the teaching profession in its various fields and for those who plan to do administrative work in education.

### ELEMENTARY SPECIALIZATION

For students planning to specialize in elementary teaching the requirements for the four-year and six-year certificates have been given in a previous section. In addition to these requirements, however, the candidate must complete the following:

#### PROFESSIONAL COURSES;

During the junior and senior years the following courses in education: Ed. 103, 204, 205.

#### FIELDS OF SPECIALIZATION:

During the junior and senior years the student must select one field of specialization in which he will complete a major of work. The suggested fields, together with the requirements in each, above the minimum set forth for the certificate, are as follows:

#### 1. English (including Speech and Journalism).

Twenty hours selected from the following:

English 210 or 211 American Literature; 215 The Romantic Period; 216 The Victorian Poets.

Speech 101, 102 Principles (unless previously taken); 201, 202, Oral Interpretation; 205 Play Production.

Journalism 201, Elements of Journalism.

## 2. Social Science (History, Political Science, Sociology).

Twenty hours selected from the following:

Geography 101, or 115 .....	3 Hours
History 205, 206 .....	10 Hours
History 201, 202 .....	10 Hours
History 207 .....	3 Hours
Pol. Sc. 200 .....	3 Hours

## 3. Science (Biology, Chemistry, Home Economics, Mathematics).

Twenty hours selected from the following:

Biology 102, 103, General Biology; 203 Entomology; 206 Human Anatomy-Physiology; 211, 212 Bac- teriology; 214, 215 Heredity and Eugenics.	
Home Ec. 101 or 111 Clothing; Textiles; 204 Child Development.	

## 4. Art.

Twenty-four hours selected from the following:

101, 102 Drawing; 103 Painting and Sketching; 105 Still Life Painting; 117, 118, 205 Design; 218, 219, 220 History of Art.	
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## 5. Music.

Twenty-four hours selected from the following:

121, 122, 123, Elementary Theory; 111, 112, 113 Sight-singing, Ear Training; 114, 242, 244, 204, 205, 206, 207, 208, 209; History and Ap- preciation Applied Piano or Voice.	
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## I. ELEMENTARY EDUCATION

## 102. EDUCATIONAL PSYCHOLOGY 3 Hours

A study of the basic facts and principles of human behavior; the development and growth of man's equipment for learning; the learning process; and the application of both the principles of behavior and the laws of learning to the problems of the class-room teacher. Fee \$1. Fall. 8:00, 11:30. Summitt.

## 103. CHILD PSYCHOLOGY 3 Hours

A study of the principles of the development of the normal child with practical application to the problems of the class-room teacher. It includes a study of motor development, emotional development, development of meanings, imagination, verbal learning, social development, etc. Fee \$1. Winter. 11:30. Summitt.

## 104. INTRODUCTION TO TEACHING 3 Hours

An intensely practical course in methods of teaching in primary and elementary grades, together with observation of classroom work. It is designed to precede courses in practice teaching, and should give the student a definite working knowledge of procedure and technique. Spring. 8:00. Summitt.

105. MATERIALS AND METHODS  
IN ELEMENTARY SCHOOLS 3 Hours

An integrated course covering lesson planning, units of study, assignments and motivation, with directed observation in the training school is an essential part of the course. Winter. 9:00. Cathcart.

106. MATERIALS AND METHODS IN  
THE ELEMENTARY SCHOOLS 4 1-2 Hours

A study of the newer methods of teaching social studies, arithmetic, science and nature study in the elementary schools. The student will become acquainted with the philosophy and practices of the integrated program. Several integrated units will be produced and studied. Fall, Winter, Spring. 3:15. Summitt.

110, 211, 212, ART IN THE  
ELEMENTARY SCHOOL 9 Hours

Description of courses will be found in the Art department. 110 Spring; 211 Fall; 212 Winter. 2:15-4:15. T., Th. Langford.

114, 242. MUSIC EDUCATION IN  
THE ELEMENTARY SCHOOL 6 Hours

Description of courses will be found in the School of Music. 242 Fall. 2:15; 114 Winter. 2:15. Kirk.

## 120. JUVENILE LITERATURE 4 1-2 Hours

Description of the course will be found in the English department. Spring. 9:00. Cathcart.

140. DIRECTED TEACHING  
IN ELEMENTARY GRADES 4 1-2 Hours

A beginning course integrated with the theory courses and requiring at least sophomore standing.

240,241. ADVANCED DIRECTED  
TEACHING — ELEMENTARY 9 Hours

Recommended only for seniors specializing in the field of elementary education. Juniors admitted by special permission.

## II. SECONDARY EDUCATION

200. **TECHNIQUE OF TEACHING  
IN SECONDARY SCHOOLS** 3 Hours  
In this course are carefully studied the problems that are peculiar to the junior and senior high schools. Attention is given to organization, aims, and functions, programs of study, and extra-curricular activities, but special attention given to the teaching problems. Winter. M., W., F. 8:00. Summitt.
201. **PRINCIPLES OF  
SECONDARY EDUCATION** 3 Hours  
A study of the fundamental principles underlying secondary education. Special attention is given to the adolescent period. Includes a study of the program of the studies, methods of organization and administration, and the relationship of secondary education to both elementary and higher education. Fall. M., W., F. 2:15. Summitt.
202. **THE TEACHER AND SECONDARY  
SCHOOL ADMINISTRATION** 3 Hours  
The problems of secondary school administration from the point of view of the classroom teacher. Winter. M., W., F. 2:15. Summitt.
204. **TESTS AND MEASUREMENTS** 3 Hours  
A study of the construction and use of achievement examinations with major emphasis on tests in the secondary field. Fee \$1. Spring. M., W., F. 2:15. Summitt.
205. **ADOLESCENT PSYCHOLOGY** 3 Hours  
A study of the developmental behavior of boys and girls of the teen age. Problems characteristic of this age involving physical, social, emotional, and intellectual development will be studied with a view to helping the teacher maintain proper treatment of the learner during this important period of growth. Fee \$1. Spring. M., W., F. 11:30. Summitt.
224. **TEACHING ENGLISH** 3 Hours  
An examination of the aims, methods, and materials of high school English. Various problems and difficulties found in English teaching are studied. Required of those planning to teach English. Same as English 224. Fall. M., W., F. 1:15. Sears.
225. **TEACHING HOME ECONOMICS** 5 Hours  
Prerequisite one major in methods of teaching. A study of the development of the home economics movement, curricula, the planning of

- courses and methods in teaching. Winter. M., W., F. 9:00. Mrs. Bell.
226. **TEACHING THE SOCIAL SCIENCES** 3 Hours  
A course in the methods and materials for the teaching of history and the social sciences in high school. Required of those planning to teach the social sciences. Same as History 226. Fall. M., W., F. 2:15. Rhodes.
227. **TEACHING OF SCIENCES** 3 Hours  
A practical course in the aims and methods of teaching high school sciences. Required of those planning to teach science in high schools. Winter. M., W., F. 11:30. Basford.
228. **TEACHING COMMERCIAL SUBJECTS** 3 Hours  
A course covering methods and materials for commercial subjects in secondary schools. It precedes practice teaching in commerce, and is required of those who plan to teach commercial work in high schools. Fall. M., W., F. 10:30. Stapleton.
229. **METHODS OF TEACHING SPEECH** 2 Hours  
For description of course see speech 229. Winter. 1:15. M., W. Robbins.
230. **THE TEACHING OF MATHEMATICS** 3 Hours  
Reasons for teaching, and general and special methods of teaching mathematics in secondary schools. Current problems and selected topics are discussed. Open to experienced teachers and to juniors and seniors. Fall. M., W., F. 2:15. Dykes.
244. **MUSIC EDUCATION** 3 Hours  
Methods in public school music for high schools. Spring. 2:15. M., W., F. Kirk.
150. **DIRECTED TEACHING  
IN SECONDARY SCHOOLS** 4 1-2 Hours  
A beginning course in directed teaching in the junior high school field. It is closely related to the theory courses and requires sophomore standing.
- 250, 251. **ADVANCED DIRECTED  
TEACHING — SECONDARY** 9 Hours  
A course designed for seniors completing the requirements for teaching in secondary schools. Juniors may be admitted by special permission.

## VII. English, Speech and Journalism

### I. ENGLISH

Besides some historical maps, the equipment for this department is the college library, which is provided with the works of all the standard English and American writers and translations from the great writers of other nations; with numerous biographical, critical and historical works, including the Cambridge histories of English and American literature; with the Variorum Shakespeare; with the standard periodicals and with many works of more general interest.

Students specializing in this department must complete fifty-four hours, including 101-103, which are required of all freshmen; 105-107; Shakespeare (201 or 202,) Chaucer 203, and American Literature (210 or 211). Ten hours in speech may be counted toward the English major, which should include Speech 201. Students are also urged to acquire a reading knowledge of French or German during their course.

Those who expect to teach English in high school must include 224, and at least five hours in speech.

#### 101, 102, 103. FRESHMAN COMPOSITION 9 Hours

A study of the principles of composition with written work throughout the course. Special emphasis is given to the sentence, the paragraph, the mechanics of writing, and vocabulary building. Exposition is treated in the first term. Fall, Winter, Spring. M., W., F. 10:30, 11:30, 1:15, 2:15. Coordinates with Speech 101-103. Mrs. Stapleton, Miss Alston.

#### 105, 106, 107. HISTORY OF ENGLISH LITERATURE 9 Hours

A comprehensive survey of the growth and development of English literature from the earliest times to the present. Masterpieces of both prose and poetry are studied. Fall, Winter, Spring. 9:00, 1:15. Miss Alston, Mrs. Stapleton.

#### 110. BUSINESS ENGLISH 3 Hours

A course covering practical English usage, including grammar and punctuation as applied to business correspondence. Spring. 1:15. Mrs. Stapleton, Mrs. Rhodes.

#### 120. JUVENILE LITERATURE 4 1-2 Hours

A study of the various types and sources of children's literature. Extensive reading is done to acquaint the prospective teacher with the wealth of the material and the best methods are demonstrated in the teaching of literature to children. Spring. 8:00. Cathcart.

#### 201, 202. SHAKESPEARE 10 Hours

A study of Shakespeare's genius and development as a dramatic artist. Attention is paid to the general form of Elizabethan drama, and collateral readings from contemporary dramatics are required. Prerequisite: 101-103, 105-107. Fall, Winter. 8:00. Sears.

#### 203. CHAUCER 5 Hours

A study of Chaucer's language and literary art. Some attention is given to changes and development of the English language through this period, and to Chaucer's social background. Prerequisite: 101-103, 105-107. Spring. 8:00. Sears.

#### 207. TENNYSON 2 1-2 Hours

An intensive study of Tennyson's best shorter poems and as many as possible of his longer ones. The dramas and other longer poems are used for collateral readings. Attention is given to him as an artist and a representative of the thought of his period. (Alternates with 211. Given 1945-46). Winter. 2:15. Sears.

#### 208. BROWNING 2 1-2 Hours

An interpretative study of Browning's best shorter poems, his plays, and *The Ring and The Book*. Some of the plays and longer poems are used for collateral reading. Special attention is given to his thought and art. (Alternates with 211. Given 1945-46.) Winter. 2:15. Sears.

#### 210, 211. SURVEY OF AMERICAN LITERATURE 10 Hours

A comprehensive survey and study of the historical background, the development, and the significance of American literature from its beginning to modern times. Lectures and class discussions, daily readings, and weekly papers are required. Fall, Winter. 2:15. (210 Alternates with 215. Given 1945-46. 211 Alternates with 207-208. Given 1946-47.)

#### 215. THE ROMANTIC PERIOD, 1798-1832 5 Hours

Special study is made of Wordsworth, Coleridge, Byron, Shelley, and Keats in an effort to interpret their thought and art in its individual achievement and in its relation to the spirit of the period. The shorter poems are read with close attention along with selected passages from

longer poems and related prose. Fall. 2:15. (Alternates with 210. Given 1946-47). Sears.

214. LATER NINETEENTH CENTURY POETRY 5 Hours

The course deals with the poets of the later nineteenth century, exclusive of Tennyson and Browning. Arnold Clough, the Rossettis, Swineburne, and Morris are studied in succession, while the minor poets are also given attention. The influence of the pre-Raphaelite movement and the discoveries of science as they affect the poetry of the period are noticed. (Alternates with 218. Given 1945-46). Spring. 2:15. Sears.

218. DEVELOPMENT OF THE ENGLISH NOVEL 5 Hours

This course includes a study of the English novel from Defoe to Meredith. Attention is given to the rise and development of the novel and to the different types of fiction from the adventure stories of Defoe and the historic novel of Scott, to the realistic novel of Hardy. The course is critical as well as historical, and novels representative of various types and movements are read. Spring. 2:15. (Alternates with 214. Given 1946-47). Sears.

220. MODERN DRAMA 5 Hours

A study of the major contemporary dramatists of England, America, Ireland, France, Germany, Norway, Russia, Spain, Italy, etc. Attention is given to the changes in dramatic technique brought about by Ibsen, to the one-act play, and to present tendencies in the drama. Lectures and parallel readings. Spring. 8:00. (Alternates with 203. Given 1946-47). Sears.

ENGLISH 221. POETRY WRITING 2 Hours

A study and practice in technique of versification and poetry writing. Attention is given to different genres, rhythm, imagery, figures, and tropes. Some attention is given to interpretation and appreciation of poetry. Daily reading in poetry and daily practice in poetry writing are required in this course. Spring. T., Th. 8:00. Cope.

222. ADVANCED COMPOSITION 5 Hours

The first half of this course will be devoted to the composition of all forms of magazine writing except the short story, drama, and poetry. The second half will be given to short story writing. The course will emphasize technique and style. Spring. 10:30. Cope.

224. THE TEACHING OF ENGLISH 3 Hours

An examination of the aims, methods and materials of high school

English. Various problems and difficulties found in English teaching are studied. Same as Education 224. Fall, Winter, Spring. 3:15. Sears.

## II. SPEECH

The work of the department of speech is adapted to three classes of students: those who wish to cultivate refinement in manners and speech, those who wish to develop ease and power as public speakers and readers, and those who desire the technical and practical training that will make them effective teachers of public speaking, expression, dramatic art, or English.

Those planning to specialize in speech for the Bachelor's degree must complete forty term hours in the department, including 101, 102, 103, 120; 201, 202, 203, or 222, 223, 224; 204 or 205; 208 and 217, together with a minor in English, including English 201 or 202 and 220. All speech majors must appear in an evening recital in the winter or spring term of the senior year.

Special students who do not wish to complete the requirements for a degree but desire to specialize in speech alone, will be granted a Diploma in Speech. Such students must complete at least forty hours in the department including the required courses listed above, together with thirty hours in English, including 201 or 202 and 220. Since the diploma is a certificate of proficiency, however, the amount of work must necessarily vary with the individual. The diploma student must appear in an evening recital.

Equipment for this department includes an excellent library covering every course; the Campus Players' workshop, in which every type of costume and stage scenery is designed and produced; an excellent stage with unusual lighting and sound machinery; complete sound-recording and transcription equipment for use in the study of pronunciation and voice quality and in radio programs; and complete radio and public address equipment for program and class use.

101, 102. PRINCIPLES OF SPEECH 4 Hours

A practical introductory course, based upon diagnostic tests of individual differences. It includes correct pronunciation, introductory phonetics, development of distinct utterance, voice improvement, and speech in relation to everyday affairs. The speech choir technique is used extensively in 102 in correcting bad vowel sounds, poor articulation and faulty accentuation. No tuition or fee. Courses 101 and 102 are required of all students unless exempted by entrance tests. Fall, Winter. T., Th. 10:30, 11:30, 1:15, 2:15. Mrs. Armstrong.

## 103. INTRODUCTION TO PUBLIC SPEAKING 2 Hours

Studies in the technique and practice of the short speech: the announcement, the introduction of a speaker, the speech of welcome, the response to welcome, the speech of presentation and of acceptance, the nomination speech, the after dinner speech, the sales talk, etc. The speech choir technique is used extensively, as in 102, as a corrective for bad vowels, poor articulation and faulty accentuation. This course is one of the most practical courses in the curriculum of the speech department, and while it is not prerequisite to Speech 112, the student is strongly advised to take this preliminary course. Spring. T., Th. 10:30, 11:30, 2:15. Mrs. Armstrong.

## 104, 105. FUNDAMENTALS OF ORAL INTERPRETATION 4 Hours

An introductory and fundamental course in the oral interpretation of the printed page, including pronunciation, enunciation, tone, phrasing, rhythm and bodily expression as means of interpretation. Prerequisite: 101, 102. Fall, Winter. T., Th. 1:15. Miss Robbins.

## 106. LITERARY ANALYSIS AND INTREPRETATION 2 Hours

The fundamental principles of analysis and interpretation are applied to various forms of literature. Attention is given to characterization. Open to those who have had 104 and 105. Spring. T., Th. 1:15. Miss Robbins.

## 112, 113, 114. PUBLIC SPEAKING 9 Hours

The laboratory method is used, speeches by the students being attended with round table discussions and lectures by the instructors. The aim of the course is to lay the foundation for a direct, forceful manner of speaking and to help the student to think and speak freely and well before an audience. Prerequisite: 101, 102. (Alternates with 210, 211, 212. Given in 1945-46). Fall, Winter, Spring. M., W., F. 9:00. Mrs. Armstrong.

## 120. a. b. c. INTRODUCTORY DRAMATICS 6 Hours

An interpretation of one-act and full evening plays, with special emphasis on character presentation, balance in grouping, setting and atmosphere. Students are required to appear in numerous and varied roles in regular productions under the direction of the instructor, some of the productions being given privately before the group, others being given in the workshop annual tournament, while others are used for the major activity of the College Lyceum. Fall, Winter, Spring. M., W. 3:15, 4:15. Miss Robbins.

## 124, 125. FUNDAMENTALS OF MAKE-UP 4 Hours

This is a laboratory course designed to prepare the student to do satisfactory work in simple personal make-up for the stage and in the make-up of others. Students are required to observe and gain actual experience in the make-up of casts for workshop and Campus Players productions. Fee \$3. Required of all speech majors and of all special students before certificate of diploma will be granted. Fall, Winter. T., Th. 2:15. Miss Robbins.

## 125, 126. DEBATING 4 Hours

Enrollment in this course will be limited in order to give more intensive training. A text is used as the basis of the course, but work will consist largely of actual debates. Fall, Winter. T., Th. 3:15. Dr. Rhodes.

## 201, 202, 203. ORAL INTREPRETATION OF POETRY AND DRAMA 9 Hours

An advanced course in the interpretation of different forms of poetry, the analysis of plays and character roles, together with their actual presentation in single impersonations or in group production. (Alternates with 216, 217, 218. Given 1946-47). Fall, Winter, Spring. M., W., F. 10:30. Mrs. Armstrong.

## 204. a. b. c. ADVANCED DRAMATICS 6 Hours

A course open to junior and senior students who have had 120 and, by permission, to other juniors and seniors who have unusual dramatic ability. Fall, Winter, Spring. T., Th. 3:15.

## 205. a. b. c. PLAY PRODUCTION 1-5 Hours

An advanced course in the actual coaching and production of one-act and full evening plays. The course covers the general principles of staging, lighting, costuming, make-up, and interpretation of roles and the play as a whole. With the suggestions and criticisms of the instructor the student is allowed to work out complete details for the dramatic production, train the actors, design the costumes and settings and direct and supervise the lighting, stage effects, and make-up. Some of these productions are given privately before the dramatic club; others are given publicly at intervals or are reserved for the workshop tournament. It is designed to give the student a thorough preparation for organization and directing dramatic activities in high schools or communities. Fall, Winter, Spring. To be arranged.

## 206, 207. ADVANCED ARGUMENTATION 4 Hours

An advanced course in which the principles of argumentation are applied to speech and debate. Fall, Winter, T., Th. 3:15. Dr. Rhodes.

208. PHONETICS 3 Hours  
An advanced course in which the student is required to make accurate transcriptions, not only of good American and British speech, but of the dialectal and provincial speech of the campus. Required of all speech majors. Winter. M., W., F. 1:15. Mrs. Armstrong.
209. MAKE-UP 2 Hours  
An advanced course giving special attention to character make-up. Advised for all speech majors. This course may be substituted by permission for the required course 124 by students who have learned by practical experience fundamentals of make-up. Fee \$2. Spring. 2:15. T., Th.
210. RADIO SURVEY 3 Hours  
A theory and laboratory course in radio including voice adaptation, radio announcing, a study of types of programs and the technique of program construction, continuity and scrip writing. Radio equipment includes a Presto recording machine, a public address system, and various types of microphones. (210 Alternates with 201. Given in 1946-47). Fall. M., W., F. 10:30. Mrs. Armstrong.
- 211, 212. RADIO SPEECH AND PROGRAM BUILDING 6 Hours  
A practical course in the technique of the radio speech, including the writing of the speech and its delivery over the public address system or over the air. Few radio speakers have pleasant voices and the direct conversational tone which achieves the effect of face-to-face conversation. This is the chief goal of the course (Alternates with 217, 218. Given 1946-47). Winter, Spring. M., W., F. 10:30. Mrs. Armstrong.
- 216, 217, 218. ADVANCED ORAL INTERPRETATION 9 Hours  
A course using the Bible and three books of the Apocrypha as basic material. The scholars of the world are agreed that the Bible is a supremely great literature, yet when we open our ordinary versions, we look in vain for the lyrics, epics, dramas, essays, sonnets, and orations of other great literatures of the world; instead the eye catches nothing but a monotonous uniformity of numbered sentences, more suggestive of an itemized legal instrument than of what we understand as literature. Due to this fact, Moulton's Modern Reader's Bible, the English Revised Version printed in modern literary form, is used as a basic text for this course. (Alternates with 210, 211, 212. Given 1945-46.) Fall, Winter, Spring. M., W., F. 10:30. Mrs. Armstrong.

- 222, 223, 224. SPEECH REPERTOIRE 6 Hours  
Private work in speech arranged to meet the individual needs of the students in voice drill, interpretation, and preparation for that type of public speaking which he might desire. Fall, Winter, Spring. Time arranged for the individuals. Miss Robbins.
229. METHODS OF TEACHING SPEECH 2 Hours  
A course designed to help those who are planning to teach speech. It deals with the technique of teaching different fields of speech including creative dramatics, formal dramatics, public speaking, story telling, voice drills, etc. Winter. M., W. 1:15. Miss Robbins.

### III. JOURNALISM

The work of the department of journalism as adapted to the needs of three classes of students: those who plan to make journalism their life work, those who need a practical knowledge of journalism in connection with another chosen profession, and those who desire advanced work in creative writing.

Journalism either as a major or a minor field may well be combined with English, the social sciences, business administration, or speech. Those specializing in journalism as a profession are urged to take as much work in English and social sciences as possible for background. Those preparing for advertising and publicity work should combine with journalism, psychology and commercial art. Those planning to teach should complete enough social science, English, or business to make two teaching fields, and must elect the necessary courses in education.

Forty hours of journalism are required for a major; thirty hours for a minor. Sophomores may register for 101, but other courses are open to juniors and seniors only. Journalism 101 or 201 is prerequisite for all other courses except 212 and 222. Courses 201, 212, and 222 may be counted as English credit. Home economics majors should take either 201 or 222; 202 may be taken by those having a year of credit in high school.

As special equipment for the department, besides the library, the college has a complete printing and photographic plant, in which students may gain practical experience in newspaper editing, make-up, printing, and news photography. The department also publishes the college weekly, maintains the Press Club and a publicity bureau which contributes articles to various state papers, and assists in planning college bulletins and circulars.

101, or 201. INTRODUCTION  
TO JOURNALISM

5 Hours

An examination of the broad field of journalism, and an inquiry into opportunities in the various branches of the profession. Exercises in reading newspapers and understanding the problems of the press, both metropolitan and rural. Open to sophomores. Required for all further study in journalism. Fall. 9:00. Cope.

## 202. REPORTING NEWS

5 Hours

Fundamentals of gathering and writing news. Exercises in news values and in writing news for every department of the newspaper. Winter. 9:00. Cope.

## 203. ADVERTISING

5 Hours

A survey of advertising methods and media; problems in selling and the psychology of advertising. Special attention is given to newspaper and magazine techniques and practices; but the course may be adapted to the needs of the students. Spring. 9:00. Cope.

## 205. HISTORY OF JOURNALISM

5 Hours

The development of newspapers is traced from colonial times to the present. The newspaper is studied in relation to the American economic, social, and political development. Special attention is given to the great figures in American journalism through outside readings and term papers. Fall. 1:15. Cope.

## 206. EDITING

5 Hours

Preparation of good copy, copyreading, headline writing, desk work, makeup, news values, reader interest, promotion and editorial problems are studied. Special consideration is given to editorial practices on the small town dailies and weeklies. Winter. 9:00. Cope.

## 210. EXTRACURRICULAR JOURNALISM

2-5 Hours

Credit may be given for staff work on school publications under certain limitations. Confer with head of the department.

## 212. RELIGIOUS JOURNALISM

3 Hours

A course of special interest to those preparing for the ministry or other church work. An examination and study of magazines and other publicity media used by local churches and by individuals. The writing of religious articles for publication and the preparation of copy for the

press are considered. Various problems of religious journalism are discussed, and special lectures are invited to deal with special topics. Winter. 8:00. Cope.

222. SPECIAL ARTICLES; FEATURE  
AND SHORT STORY WRITING

5 Hours

Study, analysis, and criticism of the various kinds of magazines and newspaper feature articles. The course will emphasize style and technique. Short story writing will be studied during the last half of the course. Students are expected to write for publication, and markets are considered. Same as English 222. 1:15. Cope.

## 225. NEWS PHOTOGRAPHY

3 Hours

The fundamentals of photography, developing and printing, enlarging, use of press photographic equipment, and standard techniques are studied both by lecture and laboratory work. A distinct program of work is set up for the student to follow and complete under conditions similar to actual press work. Laboratory equipment and press cameras are available, but the student is expected to own a camera suitable for work in the course. Fee \$3. Fall. 8:00. Cope.

## VIII. Home Economics

The department of home economics provides fundamental background information and a basis for many vocational phases of home economics. Students desiring home economics for the sake of their own homes, or those planning to do interior decoration, institutional managing or buying, or to go into industrial fields or social service may complete their entire course here. Since the certificate of teachers for Smith-Hughes high schools is confined to one or two institutions in each state, however, students who are interested in teaching or in doing home demonstration work may complete the requirements for the Bachelor of Science in home economics here and transfer to a graduate school of home economics for one year, receiving their certificate for teaching at the same time they receive the Master's Degree. Or they may transfer at the end of the second or third year and receive their certificates at the same time they receive their Bachelor's degree.

Students desiring the Bachelor of Arts degree with a major in home economics must complete the requirements outlined on pages 55-58 for the degree.



**BACHELOR OF SCIENCE IN HOME ECONOMICS**

*(For those planning to teach Home Economics)*

**FIRST YEAR**

Fall Term		Winter Term		Spring Term	
Art 117	3	Art 118	3	Chem. 104(a)	3 3
Chem. 101	5	Chem 101	5	Eng. 103	3 3
Eng. 101	3	Eng. 102	3	H. Ec. 121	5
H. Ec. 101	5	H. Ec. 102	5	or 114	3
P. E. 100	0	P. E. 101	0	P. E. 130	3 3
—	—	—	—	Sp. 103	2 2
16	16	16	16	Elective	1
—		—		—	
16		16		16 15	

**SECOND YEAR**

Fall Term		Winter Term		Spring Term	
Chem. 201	6	Eng. 106	3 3	Art 210	3 3
Eng. 105	3	or Ger. 102	3	Eng. 107	3
or Ger. 101	3	or Fr. 102	3	or Ger. 103	3
or Fr. 101	3	H. Ec. 111	5	or Fr. 103	3 3
H. Ec. 112	5	Hist. 105	5	H. Ec. 114	3
Soc. 101	3	Soc. 102	3	or 121	5
P. E. ..	0	—	—	Ed. 205	3 3
—	—	16	16	Soc. 103	3 3
17	17	16	16	P. E. ....	0 0
—		—		—	
17		16		15 17	

**THIRD YEAR**

Fall Term		Winter Term		Spring Term	
Biol. 211-212	.6	Ed. 103	3	Ed. 231	3
or 206	5	Ed. 200	3	or 225	3
Ed. 102	3 3	H. Ec. 213	3	H. Ec. 204	5
H. Ec. 212	5	or 222	5	H. Ec. 201	3
or 211, 221	6	H. Ec. 223	3	or 202	5
Ed. 201	3 3	or 220	3	Elective	3 3
P. E. ....	0 0	P. E. 120	3	P. E. ....	0 0
—	—	—	—	—	
17	17	17	17	16	

**FOURTH YEAR**

Fall Term		Winter Term		Spring Term	
Biol. 206	5	H. Ec. 220	3	Ed. 204	3
or 211-212	6	or 223	3	Ed. 251	4½
Sp. 101	2 2	H. Ec. 222	3	H. Ec. 225	3
H.Ec. 211, 221	6	or 213	5	or 231	3
or 212	5	Ed. 250	4½	H. Ec. 202	3
Journ. 201	5 5	Sp. 102	2	or 201	5
P. E. ....	0 0	Elective	3	P. E. ....	0
—	—	P. E. ....	0	—	
18	18	17½	17½	15½	

**BACHELOR OF SCIENCE IN INSTITUTIONAL MANAGEMENT**

The course leading to the Bachelor of Science in Institutional Management is designed for those who wish to prepare for positions as dietitians or food directors. It does not lead to teaching, but those who plan to teach may, if they desire, elect any of the courses in institution management.

After the completion of this course the potential food director would be eligible to apply for a graduate training course in an institution approved by the American Dietetics Association. This is an internship of service in a hospital or non-hospital food service institution covering a period of nine to twelve months.

The most economical plan for selection of courses is as follows:

**FIRST YEAR**

Fall Term		Winter Term		Spring Term	
Chem. 101	5	Chem 102	5	Chem 104(a)	3 3
Eng. 101	3	Eng. 102	3	Eng. 103	3 3
H. Ec. 101	5	H. Ec. 102	5	H. Ec. 114	3
Soc. 101	3	Soc. 102	3	Soc. 103	3 3
P. E. 100	0	P. E. 101	0	Elective	4 7
—	—	—	—	P. E. 102	0 0
16	16	16	16	—	
—		—		16 16	

## SECOND YEAR

Fall Term		Winter Term		Spring Term	
Ed. 102	.....3	Ed. 103	.....3	Ed. 205	.....3 3
Eng. 105	.....3	Eng. 106	.....3	Eng. 107	.....3 3
H. Ec. 112	.....5	H. Ec. 111	.....5	Ed. 231	.....3
Sp. 101	.....2	Sp. 102	.....2	B. A. 220	.....3
Elective	.....3	Elective	.....3	Sp. 103	.....2
P. E.	.....0	P. E.	.....0	Elective	.....3 10
	—		—	P. E.	.....0 0
	16		16		— —
					17 16

## THIRD YEAR

Fall Term		Winter Term		Spring Term	
Biol. 211-212	..6	H. Ec. 222		B. A. 220	...3
or Biol 206	.. 5	or 236	.....5 5	H. Ec. 202	
Chem. 201	...6 6	H. Ec. 220		or 237	.....5 5
H. Ec. 212		or 223	.....3 3	Elective	.....8 11
or 235	.....5 5	H. Ec. 213	..5	P. E.	.....0 0
P. E.	.....0 0	Elective	.....3 8		— —
	— —	P. E.	.....0 0		16 16
	17 16		— —		
			16 16		

## FOURTH YEAR

Fall Term		Winter Term		Spring Term	
Biol. 206	....5	H. Ec. 236		H. Ec. 237	
or 211-212	.. 6	or 222	.....5 5	or 202	.....5 5
Ec. 201	.....5 5	H. Ec. 223		Elective	.....10 10
H. Ec. 235		or 220	.....3 3	P. E.	.....0 0
or 212	.....5 5	H. Ec. 213	..5		— —
P. E.	.....0 0	Elective	.....3 8		15 15
	— —	P. E.	.....0 0		
	15 16		— —		
			16 16		

### 100. INTRODUCTION TO PERSONAL AND HOME STANDARDS 5 Hours

A practical lecture-demonstration course intended to develop a consciousness of standards and good taste in dress, personal grooming and hygiene, nutrition and physical fitness. Aims to help the student acquire social poise and a wholesome, refined personality, and optimum health.

Scheduled conferences for giving specific aid with individual problems. Required of all college freshmen and sophomore girls except home economic majors. Fall. 3:15.

## CLOTHING AND RELATED ART

### 101. CLOTHING 5 Hours

Prerequisite, or corequisite, Art 117. The selection of materials, simple designing, and garment construction with emphasis on the selection of the wardrobe and suitability to individuals. Construction of garments from cotton and woolen materials. Fee \$3. Fall. 9:00. M., W., F. Lab. T., Th. 8:00-10:00. Mrs. Bell.

### 111. CLOTHING 5 Hours

Prerequisite, Home Economics 101. The selection and use of designs and finishes suitable for tailored wool and linen and silk afternoon and evening problems. The alterations of patterns, fitting problems, pressing, and budgeting. Fee \$3. Winter. Lect. M., W., F. 10:30. Lab. T., Th. 3:15-5:15. Mrs. Bell.

### 121. TEXTILES 5 Hours

A study of consumer problems in the choice, care, and cost of various fabrics. Facts of production, and marketing processes to give skill in recognition of fabrics and in evaluating materials new and old. Spring. 8:00 M., W., F. Lab. T., Th. 8:00-10:00. Mrs. Bell.

### 201. ADVANCED CLOTHING 5 Hours

Prerequisite, 111. The selection and construction of clothing suitable for infants and small children. The development of original, simple designs through draping, flat pattern work. Fee \$3. Spring. 1:15; Lab. T., Th. 1:15-3:15 (Given 1946-47). Mrs. Bell.

### 211. HISTORY OF COSTUME DESIGN 3 Hours

Prerequisite, Art 117. A study of development of costume through past generations to the present time. The design principles and their application to color and figure types with special emphasis on individual figure and color analysis. The development of original dress designs for various occasions. (Alternates with 212. Given 1946-47). Fee. \$1. Fall. M., W., F. 1:15. Mrs. Bell.

### 213. HOME PLANNING AND DESIGNING 5 Hours

Prerequisite, Art 117. A study of the home from the standpoint of utility, beauty, and economy, including housing standards, plants, elevations, and some landscaping. A brief survey of styles of domestic architec-

ture and furnishings and their application to present day planning and furnishing. Fee \$1. (Alternates with 222. Given 1946-47). Winter. 1:15. Mrs. Bell.

### 221. PERIOD FURNITURE 3 Hours

A study of the styles of interiors and furniture from ancient to modern times in relation to their present day uses. Special problems in interior decoration. (Given in 1945-46 and in years alternating with 212). Fee \$1. Spring. 2:15. M., W., F. Mrs. Bell.

## FOODS AND NUTRITION

### 102. FOOD SELECTION AND PREPARATION 5 Hours

A general course covering the selection, preparation and utilization of the more common food materials and built around meal planning and table service units. Fee \$3. Winter. Lect. M., W., F. 9:00. Lab. T., Th. 8:00-10:00. Mrs. Bell.

### 112. FOOD BUYING AND MEAL MANAGEMENT 5 Hours

Prerequisite. Foods 102. A study of foods from the standpoint of culinary values, preservation, costs, markets, standard products, grades and label, and consumer responsibility. Meal planning and table service in relation to meal management. Fee \$3. Fall. Lectures. M., W., F. 10:30. Lab. T., Th. 3:15-5:15. Mrs. Bell.

### 202. EXPERIMENTAL COOKERY 5 Hours

Prerequisite, 112, and organic chemistry. A study of the problems of cookery and food utilization in the light of the physico-chemical changes occurring. Fee \$3. (Alternates with 201. Given 1946-47). Spring. 1:15. Lab. T., Th. 1:15-3:15. Mrs. Bell.

### 212. PRINCIPLES OF NUTRITION 5 Hours

Prerequisite, 112, and organic chemistry. Parallel or prerequisite, Physiology. Concerned with the digestion and metabolism of foods and the requirements of a normal diet for different ages. Fee \$4. (Alternates with 211 and 221. Given 1946-47). Fall. 1:15. Lab. T., Th. 1:15-3:15. Mrs. Bell.

### 222. CHILD NUTRITION AND NUTRITION IN DISEASE 5 Hours

Prerequisite, Foods 212. Normal nutrition and health with emphasis on causes and prevention of malnutrition in children. Adaptations of the normal diet to provide adequate nutrition in disease with emphasis on

diseases caused by diet deficiencies. Fee \$2. (Alternates with 213. Given 1946-47). Winter. 1:15. Lab. T., Th., 1:15-3:15. Mrs. Bell.

## HOME AND INSTITUTIONAL MANAGEMENT

### 114. HOME NURSING 3 Hours

A practical course concerned with the care of the sick and convalescent in the homes, first aid in emergencies, and dietaries for special cases. Designed to meet the requirements of those planning to teach home economics. Spring. M., W., F. 11:30. Mrs. Bell. (Given 1945-46.)

### 204. CHILD DEVELOPMENT 5 Hours

Growth through the prenatal, infant, and preschool stages. Care and feeding of the child. Needs for normal, physical, moral, social, emotional, and language development of the child and methods of meeting these needs. Observation and practice with children in the nursery school. Spring. 10:30. Mrs. Bell.

### 220. FAMILY RELATIONSHIP 3 Hours

A study of family problems from the legal, economic, psychological, and psychiatric aspect, as a basis for family counseling for the social worker, ministers, teachers, and administrators. Required of home economics students. (Alternates with 223. Given 1945-46). Winter. M., W., F. 2:15. Mrs. Bell.

### 223. ECONOMICS OF THE HOUSEHOLD AND HOUSEHOLD EQUIPMENT 3 Hours

Application of the principles of economics to the problems of the household, such as expenditures for food, clothing, shelter and other consumer-purchasing problems. Selection of equipment for the home, its operation, cost, care and repair. Prerequisite: Economic, 3 hours. (Alternates with 220. Given 1946-47). Winter. 2:15. Mrs. Bell.

### 24. HOME MANAGEMENT 3 Hours

Cottage residence in home management house. This course is designed to give each girl an opportunity to apply knowledge gained in previous courses of food preparation, housekeeping, household finance, hospitality, and various group relationships in a home atmosphere. Prerequisite: 102 and 112. Spring.

### 225. TEACHING HOME ECONOMICS

A study of the development of the home economics movement, curricula, the planning of courses, and some practice teaching. Prere-

quisite: One major in methods of teaching. (Alternates with 231. Given 1945-46). Spring. 9:00. Mrs. Bell.

231. ADULT EDUCATION 3 Hours

This is a course in the methods and materials of parental and adult education designed to meet the needs of those whose professions make it necessary to educate and direct the thinking of parents and other adults. It is especially adapted to home demonstration agents and others interested in social welfare. (Alternates with 225. Given 1946-47. Spring. M., W., F. 9:00. Mrs. Bell.

235. INSTITUTIONAL MANAGEMENT I 5 Hours

Institution organization and management of food service in cafeteria, dormitories, and lunch rooms. Also a study of the technique involved in large quantity food preparation and buying. Special emphasis on breads, pastries, and desserts. Fall. Lectures 10:30; Lab. T., Th. 3:15-5:15.

236. INSTITUTIONAL MANAGEMENT II 5 Hours

Institution buying and food marketing. A continuation of large quantity food preparation. Emphasis on meats, vegetables, salads and beverages. Winter. Lectures 10:30. Lab. T., Th. 3:15-5:15.

237. INSTITUTIONAL MANAGEMENT III 5 Hours

Study of equipment, and analysis of the elements in cost of operation with consideration of methods of control and administrative machinery involved. Field trips. Spring. M., W., F. 10:30. Lab. T., Th. 3:15-5:15.

## IX. Library Science

Because of the urgent need for trained librarians we have organized the department of library science. The work of this department is open to special students who may need these courses alone; it is open to graduates who may want the degree of Bachelor of Library Science; and it is open to regular students on the junior-senior level, who may choose the department as either a major or a minor field for the B. A. or B. L. S. degree.

Students preparing to teach in high schools may choose Library Science as a minor in order that they may combine library work with their teaching

### REQUIREMENTS FOR B. L. S. DEGREE

The degree of Bachelor of Library Science requires the completion of a hundred ninety-two quarter hours of work, including the regular freshmen-sophomore requirements and forty-five hours in the department of library science. One other department should be selected as a minor or a second major. A reading knowledge of one foreign language is required.

201, 202, 203. CLASSIFICATION AND CATALOGING 9 Hours

This course will consist of an analysis of the make-up of a book and the value its different parts may have for the reader; discussion of books as groups determining a common basis for classification. This leads to the practical use which is the cataloging of material and development of the card catalogue; its function, form, type and technique.

The course also includes methods in work, accessioning, self-listing, filing and processing of books. Laboratory practice in local libraries.

TEXT: Dewey, Abridged decimal classification and relative index. Akers, Simple library cataloging, A. L. A. 1933. Mall. Introduction to cataloging and classification. Fall, Winter, Spring. M., W., F. 9:00. Miss Auld.

207, 208, 209. REFERENCE AND BIBLIOGRAPHY 6 Hours

The course will include a comprehensive study of reference books based primarily on collections in college and local libraries. Instruction will be given in the use of reference books and related materials; the development of special files; annotating; the making of bibliographies.

TEXT: Mudge. Guide to reference books. A. L. A. 1936. Fall, Winter, Spring. T., Th. 9:00. Miss Auld.

210, 211, 212. BOOK SELECTIONS 6 Hours

The course in Book Selection will center on aspects that relate to general use of books in library service; principles and methods developed in practice of book selection; information concerning series, editions, publishers; characteristics of standard and current publications; a survey of the leading classes of literature and a fiction seminar. Fall, Winter, Spring. T., Th. 10:30. Miss Auld.

216. ORGANIZATION AND ADMINISTRATION 2 Hours

Principles and methods of library administration, including budgeting, publicity, binding and care of books, methods used in circulation

of various kinds of materials. Practice work in local libraries. Fall. T., Th. 1:15. Miss Auld.

217. COUNTRY AND REGIONAL SERVICE 2 Hours

Library service to rural people, various methods of dispensing this service, and relation to public libraries. Winter. T., Th. 1:15. Miss Auld.

218. NON-BOOK MATERIAL 2 Hours

Selection and preparation of pamphlets, pictures, charts, maps, clippings; centralized preparation for extension service. Use of Government Documents. Spring. T., Th. 1:15. Miss Auld.

219. HISTORY OF BOOKS AND LIBRARIES 2 Hours

General history of Books-format, paper, type, binding, and illustrations. Various types of libraries — origin, development, and organization of these libraries. Fall. W., F. 1:15. Miss Auld.

220. HISTORY OF CHILDREN'S LITERATURE 3 Hours

Book selection for children; directed reading; illustrators; and methods of library work with children. Spring. M., W., F. 1:15. Miss Auld.

224. THE TEACHER LIBRARIAN 3 Hours

Book selection for school libraries, use of books and libraries, practical application in the elementary and secondary schools of the principles of library organization. Fall. M., W., F. 10:30. Miss Auld.

225. GOVERNMENT DOCUMENTS 3 Hours

Selection, preparation and use of government publications. Winter. M., W., F. 10:30. Miss Auld.

226. ADVANCED REFERENCE AND BIBLIOGRAPHY 3 Hours

Emphasis on subject bibliography in humanities; natural, social, and applied sciences. Spring. M., W., F. 10:30. Miss Auld.

230. PRACTICE WORK 5 Hours

Experience in various phases of library work; library visits. Fall, Winter, Spring. By arrangement.

## X. Mathematics

The importance of mathematics as an instrument in the applied sciences cannot be overemphasized. Students planning for engineering in all of its phases, for architecture, or for chemical or physical research need a most thorough training in mathematics. But outside of these scientific fields mathematics is also important in accounting and business administration, in educational administration and statistics, and in many of the professions.

The work of the department is, therefore, adapted to the needs of those who plan to enter the various engineering, technical, and professional fields, as well as of those who plan to teach mathematics in junior and senior high schools.

For students inadequately prepared for Ph. Sc. 100 because of a deficiency in mathematics, a special non-credit survey course will be given in which the most vital mathematical processes will be reviewed.

Students specializing in mathematics must complete a minimum of 45 hours in the department. At least 25 hours must be in courses not open to freshmen and sophomores. Courses 104, 105, 106, 200, 201, and 202 are required.

The student is urged to acquire a reading knowledge of both French and German and to complete not less than 10 hours work in general physics.

### PRE-ENGINEERING COURSE

Students who plan to enter an engineering school should advise with the head of the mathematics or the physical science departments to be sure they meet the requirements of the particular school they plan to enter. The following suggested course, however, meets the requirements of most engineering schools for either chemical, civil, or mechanical engineering.

FIRST YEAR		
Fall Term	Winter Term	Spring Term
Art. 120 .....3	Art 121 .....3	Art 122 .....3
Chem. 101 .....5	Chem. 102 .....5	Chem. 104 .....5
Eng. 101 .....3	Eng. 102 .....3	Eng. 103 .....3
*Math. 105 .....5	Math. 104 .....5	Math. 106 .....5
P. E. 100 .....0	P. E. 101 .....0	P. E. 102 .....0
—	—	—
16	16	16

SECOND YEAR

Fall Term		Winter Term	Spring Term
Chem. 105 .....5	Chem. 106 .....5	Math. 202 .....5	
Math. 200 .....5	Math. 201 .....5	Phys. 105 .....5	
Phys. 103 .....5	Phys. 104 .....5	Sp. 103 .....2	
Sp. 101 .....2	Sp. 102 .....2	Elective .....5	
P. E. ....0	P. E. ....0	—	
—	—	17	
17	17		

\*Students who have had only one year of high school algebra and are inadequately prepared for 104 and 105 must take Math 101 or second year algebra in high school before taking 104 and 105. This may be done the preceding summer quarter.

ARCHITECTURAL ENGINEERING

Students planning to enter schools of architecture should consult the dean or head of the mathematics or physical science departments to be sure they are meeting the requirements of the particular school they have chosen. The following course, however, will meet the requirements of nearly all schools of architecture. Variations necessary can be easily worked out with the advice of the dean or head of the department.

FIRST YEAR

Fall Term		Winter Term	Spring Term
Chem. 101 .....5	Chem. 102 .....5	Chem. 104 .....5	
Eng. 101 .....3	Eng. 102 .....3	Eng. 103 .....3	
Fr. 101	Fr. 102	Fr. 103	
or Ger. 101 ....3	or Ger. 102 ....3	or Ger. 103 ....3	
*Math. 105 .....5	Math. 104 .....5	Math. 106 .....5	
P. E. 100 .....0	P. E. 101 .....0	P. E. 102 .....0	
—	—	—	
16	16	16	

SECOND YEAR

Fall Term		Winter Term	Spring Term
Art. 101 .....3	Art 102 .....3	Art. 103 .....3	
Art 120 .....3	Art 121 .....3	Art. 122 .....3	
Math. 200 .....5	Math. 201 .....5	Math. 106 .....5	
Phys. 103 .....5	Phys. 104 .....5	Phys. 105 .....5	
P. E. ....0	P. E. ....0	P. E. ....0	
—	—	—	
16	16	16	

\*Those who have had only one year of high school algebra and

are inadequately prepared for 104 and 105 should enroll in Math. 101 or second year algebra in high school before taking 104 and 105. This may be done the preceding summer quarter.

PRE-OPTOMETRY COURSE

Students desiring to enter the junior class of a recognized school of optometry should follow the freshman and sophomore requirements outlined below. The course in optometry requires only two years beyond this preparatory course. Those completing the full four-year course are eligible for the degree of Bachelor of Science in Optometry.

FIRST YEAR

Fall Term		Winter Term	Spring Term
*Chem. 101 .....5	Chem. 102 .....5	Chem. 104 .....5	
Eng. 101 ... ..3	Eng. 102 .....3	Eng. 103 .....3	
*Ger. 101 .....3	Ger. 102 .....3	Ger. 103 .....3	
Math. 105 .....5	Math. 104 .....5	Math. 106 .....5	
P. E. 100 .....0	P. E. 101 .....0	P. E. 102 .....0	
—	—	—	
16	16	16	

SECOND YEAR

Fall Term		Winter Term	Spring Term
*Biol. 101 .....4	Biol. 102 .....4	Biol. 103 .....4	
*Ger. 104 .....3	Ger. 105 .....3	Ger. 106 .....3	
Math. 200 .....5	Math. 201 .....5	Math. 202 .....5	
Phys. 103 .....5	Phys. 104 .....5	Phys. 105 .....5	
P. E. ....0	P. E. ....0	P. E. ....0	
—	—	—	
17	17	17	

\*Students entering certain schools of optometry may substitute Sociology 101-103 for either Biology or chemistry. Consult the dean about the school you plan to enter. Others may substitute sociology or history for chemistry and biology.

100. SOLID GEOMETRY 3 Hours

This course is open to students who do not offer solid geometry for entrance credit. (Alternates with 110. Given 1945-46). Winter. 1:15. Dykes or assistant.

101. ALGEBRA 5 Hours

(Equivalent to two entrance units in algebra.) Designed for: first,

students presenting less than one and a half entrance units in algebra; second, students presenting one and one-half entrance units in algebra but whose foundation is such that they will be unable to do creditable work in Mathematics 102. (No college credit is allowed students of the second type.) 5 hours. Fall. 1:15. Dykes or assistant.

104. COLLEGE ALGEBRA 5 Hours

Rapid review of elementary algebra; function concept; graphs, ratio, proportion, and variation; progressions; mathematical induction and the binomial theorem; complex numbers, theory of equations; logarithms; determinants; partial fractions; infinite series. Prerequisite: two entrance units of algebra. Winter. 8:00. Dykes.

105. PLAIN TRIGONOMETRY 5 Hours

Development and use of trigonometric functions; functional relations; sums and differences of angles; multiple angles; identities; inverse functions; logarithms; solution of triangles. Prerequisite: Mathematics 101 or equivalent. (Credit not allowed if trigonometry is offered to satisfy the minimum entrance credits.) Fall. 8:00. Dykes.

106. ANALYTIC GEOMETRY 5 Hours

Properties of the straight line, the circle, etc.; transformation of axes; polar coordinates; conic sections. Prerequisite: Mathematics 105. Spring. 8:00. Dykes.

110. SOCIALIZED MATHEMATICS 4 1-2 Hours

Required of teachers working toward advanced elementary certificates. The course consists in the practical application of mathematics to various life situations, and demonstrates techniques in motivation and teaching of mathematics in elementary grades. (Alternates with 100. Given 1946-47). Winter. 1:15. Dykes or assistant.

111. MATHEMATICS OF INVESTMENT AND INSURANCE 3 Hours

The theory of compound interest; annuities; sinking funds; interest rates; theory of probability; mortality tables some work in the elements of statistics. Recommended for students with major work in business administration. Prerequisite: Math. 101. or equivalent. Spring. 1:15. Dykes or assistant.

200, 201, 202. DIFFERENTIAL AND INTEGRAL CALCULUS 15 Hours

A study of the fundamental principles of the calculus. Differentiation and integration of functions; maxims and minims; curve tracing; the

integral as the limit of a sum; problems in volumes, areas, rates, velocities, etc.; centroids; series; partial differentiation; multiple integrals. Prerequisite: Mathematics 104, 105, 106. Fall, Winter, Spring. 11:30. Dykes.

203. DIFFERENTIAL EQUATIONS 5 Hours

A study of the solution and application of ordinary differential equations. Prerequisite: Mathematics 200, 201, and 202. Fall. 10:30. Dykes.

204. DIFFERENTIAL EQUATIONS 5 Hours

A continuation of 203. Winter. 10:30. Dykes.

206, 207. THEORY OF EQUATIONS 10 Hours

Complex numbers; the solution of quadratic, cubic, and quartic equations; theorems concerning roots of equations; geometric interpretation of algebraic results; determinants; and symmetric functions. Prerequisite: Mathematics 200, 201, and 202. Fall, Winter. 10:30. (Given on demand). Dykes.

210. COLLEGE GEOMETRY 5 Hours

Modern plane geometry for prospective teachers of high school geometry. Prerequisite: Calculus, or the approval of the department. Spring. 10:30. Dykes.

230. THE TEACHING OF MATHEMATICS 3 Hours

Modern trends in teaching mathematics in secondary schools; general and specific methods; current problems. Prerequisite or corequisite: Mathematics 200, 201, and 202. Open to juniors and seniors. Fall. M., W., F. 2:15.

## ***XI. Modern Languages and Literatures***

The courses offered in modern languages meet the needs both of those who must have reading knowledge of a foreign language as an aid to work in other fields and of those who wish to specialize in the department. Students who finish the courses satisfactorily should expect to possess a good pronunciation, be able to read accurately and readily, and have some knowledge of modern writers.

Those specializing in either French or Spanish must complete at

least forty-five hours in the languages selected including French 208, 209, 210, or Spanish 206, 210, and 211. It is recommended that students majoring in one of these languages work out a first and second minor in the other and in English.

The selection of a language as an aid to specialization in other departments should be made after advising with the head of one's major department. Those planning to major in history may well select either French or Spanish; a knowledge of both is desirable. French or German is recommended for those specializing in any science and for pre-medical students.

Students presenting one year of entrance credit in French from secondary schools should begin their course with French 104; those presenting two entrance credits may begin with French 201. Those presenting one unit of Spanish should begin their college work with Spanish 102 or 103; those presenting two units should begin with Spanish 104.

### I. FRENCH

#### 101, 102, 103. ELEMENTARY FRENCH 9 Hours

Thorough drill in French grammar and exercises in conversation, composition and reading. Fall, Winter, Spring. 9:00. Kirby.

#### 104, 105, 106. INTERMEDIATE FRENCH 15 Hours

Grammar review, composition, and conversation with readings from modern French writers. Fall, Winter, Spring. 10:30. Kirby.

#### 201, 202. FRENCH NOVEL 10 Hours

A study of the rise and growth of the novel in France. Readings, lectures, and reports. Fall, Winter. 2:15. (Offered 1946-47 and alternate years). Kirby.

#### 204. FRENCH COMPOSITION AND CONVERSATION 3 Hours

A course for more advanced students in writing and speaking French. Attention is given to the idiom of the language. Spring. 1:15. Kirby.

#### 205. FRENCH CLASSIC DRAMA 5 Hours

Fall. 2:15. (Offered 1945-46 and alternate years).

#### 206. CONTEMPORARY FRENCH DRAMA 5 Hours

Winter. 10:30. (Offered 1945-46 and alternate years.) Kirby.

#### 208, 209. SURVEY OF FRENCH LITERATURE 10 Hours

Lectures, readings, and reports. Fall, Winter. 2:15. (Choice of this or 201, 202, 205, 206). Kirby.

#### 210. FRENCH ROMANTICISM 5 Hours

A study of the rise and growth of Romanticism in France. Spring. 2:15. Kirby.

### II. GERMAN

#### 101, 102, 103. ELEMENTARY GERMAN 9 Hours

A systematic study of German grammar with presistant exercise in conversation and composition together with the reading of simple classics. Fall, Winter, Spring. 9:00. Burke.

#### 104, 105, 106. INTERMEDIATE GERMAN 9 Hours

A thorough review is made of grammar but special emphasis is placed upon composition, conversation, and the reading of more difficult prose and verse. Fall, Winter, Spring. Burke.

### III. SPANISH

#### 101, 102, 103. ELEMENTARY SPANISH 15 Hours

A study of grammar, the reading of moderately difficult selections, chiefly from modern writers, and constant systematic drill in conversation and composition. Fall, Winter, Spring. 8:00. Kirby.

#### 104, 105, 106. INTERMEDIATE SPANISH 15 Hours

Grammar review, composition, and conversation, with readings from representative Spanish authors. Fall, Winter, Spring. 11:30. Kirby.

#### 201. MODERN SPANISH FICTION 5 Hours

A study of the best prose writers of the nineteenth century, such as Alarcon, Becquer, Valdes, Mesonero, Romanos, Pereda, and Valera. Reports and discussions. (Offered 1945-46 and years alternating with 212). Winter. 1:15. Kirby.

#### 202. CONVERSATION AND COMPOSITION 2 Hours

A thorough review of grammar with exercises in composition, both oral and written. Winter. T., Th. 2:15.

#### 205. MODERN SPANISH DRAMA 5 Hours

A study of the development of the drama in Spain since the Golden



Age. (Offered 1945-46 and years alternating with 210). Spring. 1:15. Kirby.

206. SURVEY OF SPANISH LITERATURE 5 Hours

The course is based upon Northup's Introduction to Spanish Literature with collateral reading of representative selections. Lectures and reports. (Offered 1945-46 and years alternating with 211). Fall. 1:15. Kirby.

210. SPANISH-AMERICAN LITERATURE 5 Hours

A rapid survey of Spanish American literature since colonial times based on Coester's Literary History of Spanish American and Weisinger's Spanish-American Readings. Outside readings. (Offered 1946-47 and years alternating with 205). Spring. 1:15. Kirby.

211. SPANISH DRAMA OF THE GOLDEN AGE 5 Hours

Readings from the drama of the Siglo de Oro. Lectures and reports. (Offered 1946-47 and years alternating with 206). Fall. 1:15. Kirby.

212. PROSE AND POETRY OF THE GOLDEN AGE 5 Hours

A study of the most important writers of non-dramatic prose and poetry of the period of the Siglo de Oro. Collateral readings, lectures, and reports. (Offered 1945-46 and years alternating with 201). Winter. 1:15. Kirby.

## ***XII. Department of Physical Education***

The courses in the Department of Physical Education are planned to meet the needs of three groups of students: First, those needing recreation for health's sake; second, those planning to teach Physical Education or coach; third, those planning to engage in recreational supervisory work such as Y. M. C. A., summer camps, etc. Physical Education 100, 101, and 102 are required of every student, with the exception that those who carry 120, 130, 135, or 205 may be exempted from Leisure Time Recreational Activities during those quarters.

Students who desire to major in Physical Education must complete not less than 40 term hours. Not more than 45 hours may be counted toward a degree. An additional major of not less than 40 hours must be

taken in a second teaching field. The second major cannot be in Education.

The following courses in Physical Education are required of majors in the field: 100, 101, 102, 120, 125, 135 or 205, 200, 210; 225; 230; 235. Other courses are elective. Home Economics 114 and 204 may serve as electives. Biology 206 is also required of majors.

100, 101, 102. LEISURE TIME RECREATIONAL ACTIVITIES 3 Hours

The purpose of these courses is to acquaint students with various activities which may be continued throughout life for the sake of recreation and health. Golf, archery, badminton, deck tennis, tennis, scooter-hockey, handball, softball, field hockey, speedball, ping pong, volley ball, and horseshoes will be among the activities engaged in. Students will be given problems in addition to active participation. Fall, Winter, Spring. Boys: T., Th. 9:00, 11:30, 2:15, 4:15. Girls: T., Th. 8:00, 1:15, 3:15. Rhodes.

105. THE COACHING OF BASKETBALL 2 Hours

A study in the principles of the game; requirements for each position; individual and team coaching; systems of offense and defense; drills and game plays; care of athletic injuries; organization and administration of tournaments. Winter. 9:00. W., F. Rhodes.

112, 113, 114. INTRODUCTORY, INTER-MEDIATE, ADVANCED SWIMMING 3 Hours

These three courses are so arranged that a person unable to swim should be an advanced swimmer when he has completed the three. Fall, Winter, Term. Boys: M., W. 4:15. Girls: T., Th. 4:15. Rhodes.

115. SWIMMING AND WATER SAFETY 2 Hours

Instruction in the Standard Red Cross Course in Swimming, Life Saving and Water Safety. Students will be given an opportunity to qualify for the Senior Life Saving certificate. Fall, Spring. 3:15, 4:15. Rhodes.

120. HEALTH AND SAFETY 3 Hours

A study of the problems of health and safety with application to the individual, the community, and the state. Procedures for health and safety instruction in schools. Required of all teachers. Winter, 3:15. Bell.

125. THE PREVENTION AND EMERGENCY CARE OF INJURIES 2 Hours

Instruction in the Standard Red Cross Course in First Aid. Students

will be given an opportunity to qualify for the Standard Red Cross First Aid Certificate. Winter. W., F. 1:15. Rhodes.

130. PERSONAL HYGIENE 3 Hours  
Application of the findings of science and medicine to daily living. Required of all teachers. Spring. 9:00. Bell.
135. A PROGRAM OF PHYSICAL EDUCATION FOR ELEMENTARY SCHOOLS 3 Hours  
A physical education program for elementary levels. Selection of games, methods of instruction, and organization for play. Based upon the Suggested Course of Study for Elementary Schools in Arkansas. Required of all elementary school teachers. Fall. 9:00. Mrs. Cathcart.
200. THE HISTORY OF OF PHYSICAL EDUCATION 3 Hours  
This course is designed to acquaint the student with the rise of Physical Education in the various countries along with the aims and interpretations of the leaders, the relationship of these aims to the social, political, and economic influences of the times, and their contribution to modern Physical Education. Fall. M., W., F. 1:15. Berryhill or Mattox.
205. A PROGRAM OF PHYSICAL EDUCATION FOR HIGH SCHOOLS 3 Hours  
Similar to Physical Education 135 except on the high school grade level. Required of all high school teachers. (Alternates with 225. Given 1945-46). Fall. M., W., F. 2:15. Rhodes.
208. INDIVIDUAL ACTIVITIES IN PHYSICAL EDUCATION 3 Hours  
Fall. M., W., F. 3:15. Rhodes.
210. THE CONSTRUCTION OF PHYSICAL EDUCATION AND PLAYGROUND EQUIPMENT 2 Hours  
A course in the planning and construction of various types of physical education and playground equipment and supplies. Croquet sets, ping pong sets, badminton paddles, bows, softball bases, field and playground markers, etc. A fee of \$3 is charged to cover the cost of supplies. Spring. W., F. 1:15. Rhodes.

215. SUPERVISION OF PHYSICAL EDUCATION 2 Hours  
A survey of the opportunities and programs of the supervisor in the city, county, and state school systems; the relations of the supervisor to the superintendent and to the teacher; rating teachers; methods of assisting teachers. (Alternates with 220. Given 1945-46). Spring. M., W. 2:15. Rhodes.
220. CAMP LEADERSHIP METHODS 2 Hours  
Instruction and practice in camping methods. Campfire programs, nature observations, camp athletics, rainy-day activities, sanitation, hiking, outdoor cookery, and special events will be among the items studied and engaged in. (Alternates with 215). Spring. T., Th. 2:15. Rhodes.
225. METHODS OF DIRECTING INTRAMURAL ACTIVITIES 3 Hours  
Topic: individual, dual, and group organization; activities in the gymnasium, school yards, and play and athletic fields; studies of seasonal activities; promoting leadership; methods of point distribution; types of awards; honors. (Alternates with 205. Given 1946-47). Fall. M., W., F. 2:15. Rhodes.
230. ORIENTATION IN THE PRINCIPLES OF PHYSICAL EDUCATION 2 Hours  
Discussion of men, movements, curriculum, and administration. This course is designed to show the relationship of Physical Education to other phases of education — an interpretation of its objectives and psychology. Winter. M., W., F. 2:15. Rhodes.
135. BASIC INDIVIDUAL PHYSICAL EDUCATIONAL PROGRAM 3 Hours  
Topic: revealing individual needs through the health examinations; study and practice in the formation of activity programs specifically adapted to meet the needs of certain common groups of typical students.  
Objectives: to give the students basic training which will enable them to recognize certain common defects; refer students exhibiting these defects to proper nursing or medical authorities about these defects; explain defects to parents and enlist their support; and cooperate with nurses and doctors and other health agents in seeing that the doctor's recommendations are carried out so that correction of the defects may result. Spring. 8:00. Rhodes.

### XIII. Physical Science

Both the laboratories and the library are well equipped for the physical sciences. The library contains a large number of the best works on both chemistry and physics, together with periodicals. The laboratory is supplied with all the necessary and usual equipment for undergraduate courses, including standard cabinets, water, gas, electricity, a distillery, calorimeter, electric furnace, oven, analytical balances, etc. Complete equipment has been added for ore, coal, and water analysis.

Students planning to major in chemistry must complete fifty hours. They should also plan to finish fifteen hours in physics and courses in mathematics, including two in calculus. It is also required that they have at least one year of foreign language, preferably German or French.

#### LABORATORY TECHNICIAN COURSE, NURSING AND PUBLIC HEALTH

Those preparing to be laboratory technicians or to enter schools of nursing for advanced training or for public health service should follow the curriculum as here outlined. Students may be admitted to some schools of nursing without any college work, but either one or two years of the course here outlined will make them capable of much stronger work and of better positions. For entrance to Schools of Medical Technology and for Public Health service at least two years of college work are required.

The third year of work is here scheduled for those who want a more thorough preparation, and who wish to receive the Bachelor of Science degree as well as the Certificate in Medical Technology, in Public Health, or in Nursing. At the conclusion of their work in the approved School of Medical Technology, of Nursing, or of Public Health, the degree of Bachelor of Science is granted here. Those who complete the work in medical technology, nursing, or public health, whether they have taken the two or three year course, are eligible for registration by the National Registry of Medical Technologists, or of Graduate Nurses.

#### FIRST YEAR

Fall Term	Winter Term	Spring Term
Biol. 101 .....4	Biol. 102 .....4	Biol. 103 .....4
Chem. 101 .....5	Chem. 102 .....5	Chem. 104 .....5
Eng. 101 .....3	Eng. 102 .....3	Eng. 103 .....3
Sp. 101 .....2	Sp. 102 .....2	P. E. 130 .....3
P. E. 100 .....1	P. E. 101 .....1	—
—	—	15
15	15	

#### SECOND YEAR

Fall Term	Winter Term	Spring Term
*Biol. 211-212 6	Biol. 201 .....5	Biol. 209 .....5
or Math. 105 5	Chem. 202 .....5	Chem. 202 .....4
Chem. 201 ...6 6	Phys. 104 .....5	Phys. 105 .....5
**Phys. 103 ..5 5	P. E. ....0 0	Elective .....3
P. E. ....0 0	—	P. E. ....0 0
— —	15	—
17 16		17

#### THIRD YEAR

(For those who want the Bachelor of Science degree when they complete their working technology or nursing.)

Fall Term	Winter Term	Spring Term
Biol. 206	Biol. 214	Biol. 210 ....3
or 211-212 ..6	or 215 .....5	Ger. 103
Chem. 210	Chem. 211	or Fr. 103 ..3 3
or 105 ..... 5	or 106 ..... 5	Elective .....10 13
Ger. 101	Ger. 102	P. E. ....0 0
or Fr. 101 ..3 3	or Fr. 102 ..3 3	— —
Soc. 101 .....3 3	Soc. 102 .....3 3	16 16
Elective .....5 5	Elective .....5 5	
P. E. ....0 0	P. E. ....0 0	
— —	— —	
17 16	16 16	

\*Biol. 211-212 are requirements, but since it is alternated with Biol. 206 it may have to be taken in the summer or in the third year. In case of necessity another course in biology is permitted to be substituted for it.

\*\* If the student has never had trigonometry, it is urged that he take Math. 105 during the preceding summer quarter, or by correspondence, or take it in place of Biol. 211-212 along with physics.

#### PRE-DENTAL COURSE

Students preparing for dentistry should follow the curriculum below, but should consult the dean or head of the department for any variations necessary in meeting requirements for any particular school. This curriculum, however, meets all requirements of the American Dental Association.

The course is so arranged that those who wish may enter the dental

school at the end of two years. But those who take the third year of work receive the Bachelor of Science degree from Harding College at the same time they receive their degree of Doctor of Dental Surgery from the school of dentistry. This additional year also gives them a more thorough preparation for their dental training.

FIRST YEAR

Fall Term		Winter Term		Spring Term	
Biol. 101	.....4	Biol. 102	.....4	Biol. 103	.....4
Chem. 101	.....5	Chem. 102	.....5	Chem. 104	.....5
Eng. 101	.....3	Eng. 102	.....3	Eng. 103	.....3
Ger. 101		Ger. 102		Ger. 102	
or Fr. 101	.....3	or Fr. 102	.....3	or Fr. 103	.....3
P. E. 100	.....0	P. E. 101	.....0	P. E. 101	.....0
	—		—		—
	15		15		15

SECOND YEAR

Fall Term		Winter Term		Spring Term	
Chem. 201	.....6	Biol. 201	.....5	Biol. 209	.....5
*Phys. 103	.....5	Chem. 202	.....5	Chem. 203	.....4
Sp. 101	.....2	Phys. 104	.....5	Phys. 105	.....5
Elective	.....3	Sp. 102	.....2	Elective	.....3
P. E.	.....0	P. E.	.....0	P. E.	.....0
	—		—		—
	16		17		17

THIRD YEAR

(For those who wish to receive the Bachelor of Science degree with their Doctor of Dental Surgery.)

Fall Term		Winter Term		Spring Term	
Biol. 206		Biol. 214		Biol. 210	.....3
or 211-212	...5	or 215	...5	Math. 106	.....5
Chem. 210		Chem. 211		P. E.	.....0
or 105	...5	or 106	...5	Soc. 103	.....3
Soc. 101	...3 3	Math. 104	...5 5	Elective	.....5
Elective	...8 8	Soc. 102	...3 3		—
P. E.	...0 0	Elective	...3 3		16
	—	P. E.	...0 0		
	16 16		—		
			16 16		

\*Those who have had no trigonometry should elect Math. 105 instead of Sp. 101.

PRE-MEDICAL COURSE

Pre-medical students should follow the schedule of courses below. It is so arranged that those who desire may enter medical school at the close of the second year, but students taking the three-year course will receive their Bachelor of Science degree from Harding College at the same time they receive their Doctor of Medicine from the School of Medicine. Since the three-year course also gives them a more thorough preparation for their medical work, it is especially recommended.

FIRST YEAR

Fall Term		Winter Term		Spring Term	
Biol. 101	.....4	Biol. 102	.....4	Biol. 103	.....4
Chem. 101	.....5	Chem. 102	.....5	Chem. 104	.....4
Ger. 101		Ger. 102		Ger. 103	
or Fr. 101	.....3	or Fr. 102	.....3	or Fr. 103	.....3
Eng. 101	.....3	Eng. 102	.....3	Eng. 103	.....3
P. E. 100	.....0	P. E. 101	.....0	P. E. 102	.....0
	—		—		—
	15		15		15

SECOND YEAR

Fall Term		Winter Term		Spring Term	
Chem. 201	.....6	Biol. 201	.....5	Biol. 209	.....5
Ger. 104		Chem. 202	.....5	Chem. 203	.....4
or Fr. 104	...3	Ger. 105		Ger. 106	
*Phys. 103	...5	or Fr. 104	...3	or Fr. 106	...3
Sp. 101	...2	Phys. 104	...5	Phys. 105	...5
	—		—		—
	16		18		17

THIRD YEAR

(For those who wish to receive the Bachelor of Science degree when they receive their Doctor of Medicine.)

Fall Term		Winter Term		Spring Term	
Biol. 206		Biol. 214		Biol. 210	.....3
or 211-212	..5	or 215	...5	Chem. 207	... 5
Chem. 210		Chem. 211		Soc. 103	...3 3
or 105	... 5	or 106	... 5	Math. 106	...5 5
Soc. 101	...3 3	Soc. 102	... 3 3	Elective	...5 3
Ed. 102	...3 3	Math. 104	...5 5		—
Elective	...5 5	Elective	...3 3		16 16
	—		—		
	16 16		16 16		

\*If a student has had no trigonometry in high school he should

take Math. 105 in the summer quarter or by correspondence before enrolling for physics.

### BACHELOR OF SCIENCE IN CHEMISTRY

The following curriculum gives the best arrangement of courses for the Bachelor of Science in Chemistry and should not be changed without the approval of the head of the department. It is so arranged as to give the student at least 50 hours in chemistry, 30 in mathematics, 15 in physics, and 12 in biological sciences. If the student desires a different emphasis this can quite easily be arranged with the approval of the head of the department. Those who plan to teach sciences in high school must elect the necessary courses in education.

#### FIRST YEAR

Fall Term	Winter Term	Spring Term
Chem. 101 ..... 5	Chem. 102 ..... 5	Chem. 104 ..... 5
Eng. 101 ..... .3	Eng. 102 ..... 3	Eng. 103 ..... 3
Ger. 101	Ger. 102	Ger. 103
or Fr. 101 ..... 3	or Fr. 102 ..... 3	or Fr. 103 ..... 3
Math. 105 ..... 5	Math. 104 ..... 5	Math. 106 ..... 5
P. E. 100 ..... 0	P. E. 101 ..... 0	P. E. 102 ..... 0
—	—	—
16	16	16

#### SECOND YEAR

Fall Term	Winter Term	Spring Term
Chem. 105 ..... 5	Chem. 106 ..... 5	Chem. 207 ..... 5
Ger. 104	Ger. 105	Ger. 106
or Fr. 104 ..... 3	or Fr. 105 ..... 3	or Fr. 106 ..... 3
Math. 200 ..... 5	Math. 201 ..... 5	Math. 202 ..... 5
Sp. 101 ..... 2	Sp. 102 ..... 2	Sp. 103 ..... 2
P. E. .... 0	P. E. .... 0	P. E. .... 0
—	—	—
15	15	15

#### THIRD YEAR

Fall Term	Winter Term	Spring Term
Biol. 101 ..... 4	Biol. 102 ..... 4	Biol. 103 ..... 4
Chem. 201 ..... 6	Chem. 202 ..... 5	Chem. 203 ..... 4
Phys. 103 ..... 5	Phys. 104 ..... 5	Phys. 105 ..... 5
Elective ..... 3	Elective ..... 3	Elective ..... 3
P. E. .... 0	P. E. .... 0	P. E. .... 0
—	—	—
18	17	16

#### FOURTH YEAR

Fall Term	Winter Term	Spring Term
Chem. 213	Chem. 214	Chem. 215 ..... 5
or 210 ..... 5	or 211 ..... 5	Soc. 103
Soc. 101	Soc. 102	or Hist. 103 .... 3
or Hist. 101 ... 3	or Hist. 102 ... 3	Elective ..... 8
Elective ..... 8	Elective ..... 8	P. E. .... 0
P. E. .... 0	P. E. .... 0	—
—	—	16
16	16	

#### 101. 102. GENERAL CHEMISTRY 10 Hours

A course in inorganic chemistry, giving a general knowledge of the laws and theories of chemistry, together with a study of the more common elements and their most important compounds. Fall, Winter. Lectures 10:30, M., W., F.; Lab. T., Th. (a) 10:30-12:30, (b) 1:15-3:15. Fee \$5.00; deposit \$2 per term. J. Pryor.

#### 104. QUALITATIVE ANALYSIS 5 Hours

A course in the separation and identification of the more common metallic and non metallic ions. The lectures deal with the chemistry of the analytical reactions, special emphasis being given to the applications of mass action, solubility product, etc. Prerequisite: chemistry 102. Fee \$7; deposit, \$3. Spring. Lectures, T., Th. 10:30; Lab. M., W., F. 1:15-4:15. J. Pryor.

#### 104. (a). QUALITATIVE ANALYSIS 3 Hours

A brief course in Chemistry 104. Not open to students with a major or minor in Chemistry.

#### 105, 106. QUANTITATIVE ANALYSIS 10 Hours

A study of the most important methods of elementary gravimetric and volumetric analysis, chemical calculations, etc. Prerequisite: Chemistry 104. Fee \$5; deposit \$3. Fall, Winter. Lectures, T., Th. 9:00; Lab. M., W., F. 1:15-4:15. J. Pryor.

#### 201, 202, 203. ORGANIC CHEMISTRY 6, 5, 4 Hours

A study of the methods of preparation and properties of the more important organic compounds. Theory of reactions and proof of structure are studied. Prerequisite: Chemistry 102. Fee \$7; deposit \$5. Fall, Winter, Spring. Lectures, M., T., W., F. (Fall and Winter) 11:30; Lab. M., W. 1:15-4:15. J. Pryor.

#### 206. ORGANIC QUALITATIVE ANALYSIS 5 Hours

The theory and practice in the systematic identification of organic

compounds. A survey of the chemistry of functional groups will be given with emphasis on suitable derivatives. Prerequisite: Chemistry 203. Fee \$10; deposit \$5. Lectures and recitations two hours and laboratory nine hours a week. Spring. Time to be arranged.

207. **ADVANCED INORGANIC CHEMISTRY** 5 Hours

A systematic study of the elements based upon the periodic table a thorough study of the laws of chemical equilibria with their applications to inorganic analysis. Laboratory consist of the preparation of a number of different types of inorganic compound. Prerequisite: Chemistry 104. Fee \$5; deposit \$3. Spring. Lectures, M., W., F. 10:30; Lab. M., W. 1:15-4:15. J. Pryor.

210, 211. **BIOLOGICAL CHEMISTRY** 10 Hours

A course especially designed for students planning to be doctors, nurses or laboratory technicians. A study of the carbohydrates, fats, protiens vitamins and hormones, and their role in metabolism and untrition. Prerequisite: Chemistry 201. Fee \$7; deposit \$5. Lectures three hours and laboratory six hours a week. Time to be arranged. J. Pryor.

213, 214, 215. **PHYSICAL CHEMISTRY** 15 Hours

A study of the principles of theoretical chemistry. States of matter, properties of solutions, thermodynamics, homogeneous equilibria, chemical kinetics, electrical conductance, electromotive force, introduction to modern advances. Prerequisites: Math. 201, Chem. 105, Physics 105. Fall, Winter, Spring. Lectures, M., W., F. 8:00; Lab. M., W. 1:15-4:15. J. Pryor.

### PHYSICS

100. **PHYSICAL SCIENCE SURVEY** 4 1-2 Hours

An introduction to the various physical sciences and their place and importance in our present civilization. Visual and laboratory demonstrations of scientific data and processes. Required of all teachers. Spring. 2:15. J. Pryor or assistant.

103, 104, 105. **GENERAL PHYSICS** 15 Hours

A course dealing with the development of formulae and their application in the solving of problems. An attempt is made to give the student a certain facility in translating physical conceptions into mathematical symbols and mathematical formulae into physical ideas. Fall, mechanics and heat. Winter, sound and light. Spring, magnetism and electricity. Prerequisite: Trigonometry. Fee \$5. Lectures, M., W., F. 9:00; Lab. T., Th. 1:15-3:15. J. Pryor.

201. **MECHANICS** 4 Hours

A study of statics and dynamics of particles of bodies. Derivation of formulae will be presented with a view to emphasizing the beauty and power of mathematics applied to natural phenomena. Solution of problems will be stressed. Prerequisite: Math. 201 and Physics 103. Lectures four hours a week. Fall. Time to be arranged.

202. **LIGHT** 4 Hours

A study of physical optics. Wave motion, reflection, refraction, dispersion, interference, diffraction, polarization, electromagnetic theory, optics of lenses, origin of spectra. Prerequisites: Physics 104. Winter. Time to be arranged.

203. **ELECTRICITY AND MAGNETISM** 4 Hours

A study of the theory and application of electromagnetism. Electrostatics, magnetostatics, electric currents, motors, generators, transformers, conduction, electromagnetic waves. Prerequisites: Math. 201 and Physics 105. Spring. Time to be arranged.

### COURSES TO BE OFFERED IN CASE OF SUFFICIENT DEMAND

204. **HEAT** 4 Hours

205. **SOUND** 4 Hours

206. **MODERN PHYSICS** 4 Hours

## XIV. Social Sciences

Courses in social sciences are an essential part of a general education, as well as a necessary preparation for many professions.

The library is especially well supplied for the department. It contains practically all the standard works dealing with American, English, and European history, including the Cambridge series, numerous governmental publications, valuable source material in American history, and current periodicals.

Students wishing to specialize in the social sciences must complete at least forty-five hours in the department. These should include Soc. Sc. 101-103 and History 101-103, 107, 201, 205, 206. Students planning to teach the social sciences in high schools should include either Economics 101, Government 200, or Geography 101, and Education 256. It is recommended that those who major in the department acquire a reading knowledge of Spanish or French.

PRE-LAW COURSE

Students planning to enter schools of law must complete from two to four years of pre-law work. No set course is prescribed, but students must maintain a grade average of "C" or better. It is recommended that the student include as much work as possible in social sciences, economics, English, speech, debating, psychology, Bible, business administration, and government. Those taking the four-year course should major in social sciences or English.

SOCIAL SERVICE CURRICULUM

The demand for trained men and women in the many fields of social service is becoming constantly greater. Many of these positions require no graduate training, but the better positions require the completion of a graduate course in social service following the Bachelor's degree.

While the great variety of social service allows a broad field of selection in undergraduate courses, the following curriculum includes those courses which are especially desirable. Outside the department of social science majors especially recommended are in home economics, in English and journalism, in education, in physical education, and in business.

FIRST YEAR

Fall Term		Winter Term		Spring Term	
Biol. 101	.....4	Biol. 102	.....4	Biol. 103	.....4
Eng. 101	.....3	Eng. 102	.....3	Eng. 103	.....3
Soc. 101	.....3	Soc. 102	.....3	Soc. 103	.....3
Sp. 101	.....2	Sp. 102	.....2	Sp. 103	.....2
Elective	.....3	Elective	.....3	Elective	.....3
P. E. 100	.....0	P. E. 101	.....0	P. E. 102	.....0
—		—		—	
15		15		15	

SECOND YEAR

Fall Term		Winter Term		Spring Term	
Ed. 102	....3 3	Ed. 103	....3 3	Ed. 205	.....3
Eng. 105	....3 3	Eng. 106	....3 3	Eng. 107	.....3
Hist. 101	....3 3	Hist. 102	....3 3	Hist. 103	.....3
H. Ec. 101	..5	H. Ec. 102	..5	Elective	.....7
Elective	....2 7	Elective	....2 7	P. E.	.....0
P. E.	.....0 0	P. E.	.....0 0	—	—
—		—		16	
16 16		16 16			

THIRD YEAR

Fall Term		Winter Term		Spring Term	
Eco. 201	....4½	Eco. 202	....5	Pol. Sc. 200	.....3
Eng. 210	.... 5	Eng. 211	.... 5	Ed. 231	.....3
Hist. 205	...5 5	Hist. 206	...5 5	Elective	.....10
Journ. 201	..5 5	H. Ec. 220	...3	P. E.	.....0
Elective	....3 3	Elective	....3 6	—	—
P. E.	.....0 0	P. E.	.....0 0	16	16
—		—			
17½		18		16 16	

FOURTH YEAR

Fall Term		Winter Term		Spring Term	
Eco. 201	.... 4½	Biol. 214		H. Ec. 204	...5
Eng. 210	....5	or 215	....5	Elective	....11 16
Biol. 206	...5	H. Ec. 220	.. 3	P. E.	.....0 0
B. Ad. 206	.5	Eng. 211	....5	—	—
Elective	....1 12	Eco. 202	.... 5	16 16	
P. E.	.....0 0	Elective	....6 8		
—	—	P. E.	.....0 0		
16 16½		—		16 16	

I. HISTORY

101, 102, 103. SURVEY OF CIVILIZATION 9 Hours

An attempt to interpret our present civilization through a survey of its foundations in the past and the causal relation to the present. Required of all teachers. Fall, Winter, Spring. 10:30, 2:15. Pryor.

107. SURVEY OF THE UNITED STATES 5 Hours

A survey course dealing with colonial and national movements. Open to freshmen and sophomores. Winter. 2:15. F. Rhodes.

108. LATIN AMERICA 5 Hours

A survey of all Latin America. Spring. 2:15. F. Rhodes.

201, 202. ENGLISH HISTORY 10 Hours

This course deals with the fundamentals of the political, religious, literary, and economic activities of the English people and the development of English institutions to the present time. Prerequisite: 101-103. Fall, Winter. 9:00. Rhodes.

204. REVOLUTIONARY EUROPE 5 Hours  
A study of the revolutionary and national movements on the Continent down to 1870. The French Revolution and Napoleonic Wars are emphasized. Spring. 1:15. F. Rhodes.
- 205, 206. UNITED STATES HISTORY 10 Hours  
An intensive study of the political, social, and economic development of the United States. The first course covers the period from the founding of the colonies down through the Civil War, with emphasis on the national period; the second from the close of the Civil War to the present. Prerequisite: 107. Fall, Winter. 1:15. F. Rhodes.
207. EUROPE SINCE 1914 5 Hours  
This course deals specifically with the epoch-making events that began with World War I and the development of Europe between wars. Prerequisite, 101-103. Spring. 9:00. Rhodes.
208. EUROPEAN DIPLOMATIC HISTORY 5 Hours  
A study of European diplomacy, 1870 to the present, with emphasis on the permanent underlying factors. Prerequisite: 101-103. Spring. 8:00. F. Rhodes.
- 208, 210. HISTORY OF THE FRONTIER 6 Hours  
A study of the laws and politics relating to the development of the West, and of the effects of the expanding frontier on national life. Prerequisite: 107. Winter, Spring. 11:30. F. Rhodes.
214. RENAISSANCE AND REFORMATION 5 Hours  
Deals with the transition from medieval to modern society. The course takes up the beginning of the awakening in Italy, its spread to the other countries, and the religious Reformation in the various countries. Prerequisite: 101, 102. Fall. 8:00. F. Rhodes.
220. OUTLINE OF CHINESE HISTORY 5 Hours  
This course naturally divides itself into three sections: a very brief study of the long period from 200 B. C. to A. D. 1279; a fuller outline of the period beginning with the Mongol Dynasty, and closing with the beginning of the Republic of China in 1911; and a still more complete outline of the history of the Republic, continuing from 1911 to the present. Fall. 8:00. Benson.
226. TEACHING OF SOCIAL SCIENCES 3 Hours  
A course in the methods and materials of teaching history and the

social sciences in high schools. Required of all who plan to teach the social sciences. Same as Education 226. Fall. 2:15. F. Rhodes.

## II. GEOGRAPHY

101. FUNDAMENTALS OF GEOGRAPHY 3 Hours  
A survey of regional geography, including climates, temperatures, moisture, rainfall, qualities of soil, locations of river systems, mountain ranges, etc., and the aspect of geography affecting racial divisions and human population. Fall. 3:15. Pryor.
115. INDUSTRIAL GEOGRAPHY 3 Hours  
This course deals with the natural resources of the country and their relations to commerce and business. It covers the business development of the outstanding nations. Winter. 3:15. Pryor.

## III. SOCIOLOGY AND POLITICAL SCIENCES

- 101, 102, 103. SOCIAL SCIENCE SURVEY 9 Hours  
A survey of our present social system, including its organization into communities, states, and races, and the fundamental problems which affect the social organizations, such as human relations and law, commerce, finance, natural resources, geographical influences, etc. Most of the first course is given to the problem of conservation of natural resources. Required of all teachers. Fall, Winter, Spring. 9:00, 11:30, 1:15. Pryor.
200. AMERICAN NATIONAL GOVERNMENT 3 Hours  
A study of the organization of our national government, with the significant changes and developments, and the basic ideals underlying it. Required for advanced elementary school certificates. Spring 3:15. Pryor.



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# *Harding School of Music*

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1945-46

## MUSIC FACULTY

LEONARD KIRK, B.A., B.S.

DIRECTOR

*Music Education, Theory, History and  
Director of Vocal Ensembles*

M. D. CHRONIC

*Director, Band and Orchestra*

FLORENCE FLETCHER JEWELL, D.Mus.

*Voice and Director of Girls' Glee Club*

MRS. R. A. WARD, B.M.

*Piano, Violin and Violincello*

MRS. B. L. OLIVER

*Piano and Harmony*

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CURRICULA AND OUTLINE OF  
COURSES LEADING TO THE  
BACHELOR OF MUSIC DEGREE  
AND THE BACHELOR OF ARTS  
OR OF SCIENCE IN MUSIC EDU-  
CATION.

## SCHOOL OF MUSIC

### PURPOSE OF THE SCHOOL

The School of Music is organized to meet the needs of three types of students: those who want the cultural development to be attained through a study of music; those who want a thorough preparation for more advanced professional training; and those who plan to prepare themselves for teaching music.

### DEPARTMENTS MAINTAINED

The School of Music offers work in Piano, Voice, Violin, and Public School Music. In addition to the violin, it includes work in other orchestral instruments. The work of each department is outlined below.

### BACHELOR OF MUSIC DEGREE

The course leading to the degree of Bachelor of Music is designed to cover four years of intensive study, not only in achieving a high degree of proficiency in the major subject, but also in attaining an understanding of the theoretical and aesthetic principles of musical art. Academic subjects, such as English, Psychology, Language, History, and Principles of Education, are required for the degree of Bachelor of Music.

### MUSIC SCHOLARSHIP

The Music Department offers each year one free scholarship in each department of voice and piano. These scholarships are granted to students of outstanding talent who are without sufficient means to pursue their studies. Scholarship application blanks and detailed information regarding examinations will be mailed upon request.

### ENTRANCE REQUIREMENTS

All candidates for the Bachelor of Music degree must have graduated from an accredited high school, or must have completed a sufficient amount of literary work to rank them as college freshmen. Also, piano students must be able to play with fair accuracy and in a creditable manner the material outlined in the third grade of the Preparatory Department, or selections of the same standard of merit and degree of difficulty. This does not mean, however, that only students able to meet these requirements can study piano, but students may enter as beginners and do preparatory work until they are able to do the work of college standing.

Voice students should have had some previous musical training, but not necessarily vocal training.

Violin students should have covered the ground of the third grade of the Preparatory Department, or the equivalent thereof.

Candidates for the Bachelor of Music degree must meet the foregoing requirements in their major applied subjects, but may receive college credit in their minor applied subject without previous training in that subject.

All students of applied music will be required to take two lessons a week, with one exception, viz: students majoring in an applied subject may take one lesson a week in a minor applied subject.

Students may receive credit for class instruction in the minor applied subject.

Practice rooms are provided, and absence from practice is counted the same as absence from classes.

## MUSICAL ORGANIZATIONS

### CHORUS AND GLEE CLUBS

Men's Glee Club and Girl's Glee Club will meet separately twice a week and will be combined once a week for the mixed Chorus. One hour credit will be given in Ensemble to those who wish college credit. However any who are able to qualify may enter this course without credit. These groups will sing at the college. Trips will also be taken throughout the year. Tuxedos are provided for the Men's Glee Club and these will be worn by the men selected from the group to represent the college on trips. A variety of music will be used in these groups to give practical experience in ensemble work.

### GIRLS' SEXTET

A Girls' Sextet will be selected from the college during the fall term and will sing on programs at the college and will tour with the Glee Club. These girls should possess good singing voices and should have some previous experience.

### MALE QUARTET

The Male Quartet will be selected from college students whose voices will blend and who are interested in quartet singing. This group should adjust their schedules so that at least one hour each day can be spent in rehearsals.

### ORCHESTRA

All students interested in orchestra are invited to bring their instruments and take advantage of this musical organization and its training. The orchestra takes part in the various musical programs and in the radio broadcasting.

**BAND**

Regular instruction in the various wind and other band instruments is given, and any student who desires may try for entrance to the band. Those who have instruments should bring them when they come. The band plays for the various student activities and is a popular organization.

**COURSES OF STUDY**

**BACHELOR OF MUSIC DEGREE WITH A MAJOR IN PIANO, VIOLIN OR VOICE**

**FIRST YEAR**

Fall Term		Winter Term	Spring Term
Eng. 101 .....3	Eng. 102 .....3	Eng. 103 .....3	
Soc. Sc. 101 .....3	Soc. Sc. 102 .....3	Soc. Sc. 103 .....3	
Music 111 .....2	Music 112 .....2	Music 113 .....2	
Music 121 .....3	Music 122 .....3	Music 123 .....3	
Mj. Ap. Music ..2	Mj. Ap. Music ..2	Mj. Ap. Music ..2	
Speech 101 .....2	Speech 102 .....2	Elective .....3	
—	—	—	
15	15	16	

**SECOND YEAR**

Fall Term		Winter Term	Spring Term
Eng. 105 .....3	Eng. 106 .....3	Eng. 107 .....3	
Music 116 .....2	Music 117 .....2	Music 223 .....3	
Music 221 .....3	Music 222 .....3	Mj. Ap. Music ..2	
Mj. Ap. Music ..2	Mj. Ap. Music ..2	Music 140c ....1	
Music 140 a ....0	Music 140b ....0	Foreign Language .5	
Foreign Language .5	Foreign Lan. ....5	Elective .....2	
—	—	—	
15	15	16	

**THIRD YEAR**

Fall Term		Winter Term	Spring Term
Mj. Ap. Music ...2	Mj. Ap. Music ...2	Mj. Ap. Music ...2	
Mi. Ap. Music ...2	Mi. Ap. Music ...2	Mi. Ap. Music ...2	
Music 251 .....2	Music 252 .....2	Music 253 .....2	
Music 204 .....3	Music 205 .....3	Music 206 .....3	
Music 224 .....2	Music 225 .....2	Music 226 .....2	
Music 200a .....0	Music 200b .....0	Music 200c .....0	
Elective .....5	Elective .....5	Elective .....5	
—	—	—	
16	16	16	

**FOURTH YEAR**

Fall Term	Winter Term	Spring Term
Mj. Ap. Music ...2	Mj. Ap. Music ...2	Mj. Ap. Music ...2
Mi. Ap. Music ...2	Mi. Ap. Music ...2	Mi. Ap. Music ...2
Music 227 .....2	Music 228 .....2	Music 229 .....2
Music 214 .....3	Music 215 .....3	Music 218 .....3
Music 201a .....0	Music 201b .....0	Music 201c .....1
Elective .....7	Elective .....7	Elective .....5
—	—	—
16	16	15

\*The foreign language should be French, German or Spanish. For Major in Voice two languages are recommended.

The Bachelor of Music degree is conferred upon the completion of not less than 192 quarter hours.

In the second quarter of the junior and senior years the candidate must prepare for public performance a program of classic and modern composition.

Students are required to attend all faculty and student recitals.

**BACHELOR OF SCIENCE  
IN PUBLIC SCHOOL MUSIC OF APPLIED MUSIC**

**FIRST YEAR**

Fall Term	Winter Term	Spring Term
Eng. 101 .....3	Eng. 102 .....3	Eng. 103 .....3
Soc. Sc. 101 .....3	Soc. Sc. 102 .....3	Soc. Sc. 103 .....3
Biol. 101 .....4	Biol. 102 .....4	Biol. 103 .....4
Music 111 .....2	Music 112 .....2	Ed. 104 .....3
**Ap. Music ...2	Ap. Music .....2	Ap. Music .....2
Speech 101 .....2	Speech 102 .....2	Ensemble .....0
P. E. 100 .....0	Ensemble .....0	P. E. 102 .....0
—	P. E. 101 .....0	—
16	16	15

**SECOND YEAR**

Fall Term	Winter Term	Spring Term
Eng. 105 .....3	Eng. 106 .....3	Eng. 107 .....3
Hist. 101 .....3	Hist. 102 .....3	Hist. 103 .....3
Ap. Music .....2	Ap. Music .....2	Ap. Music .....2
Music 121 .....3	Music 122 .....3	Music 123 .....3
Music 116 .....2	Music 117 .....2	Phy. Sc. ....4½
Biol. 100 .....3	Ed. 103 .....3	Elective .....2
P. E. ....0	P. E. ....0	—
—	—	17½
16	16	

## THIRD YEAR

Fall Term		Winter Term		Spring Term	
Music 204	.....3	Music 205	.....3	Music 206	.....3
Music 242	.....3	*Ed. 200	.....3	Ap. Music	.....2
Ed. 102 or 201	..3	Ap. Music	.....2	*Ed. 205	.....3
Ap. Music	.....2	Hist. 107	.....5	P. E. 130	.....3
Elective	.....5	Elective	.....3	Elective	.....6
P. E.	.....0	P. E.	.....0	P. E.	.....0
—		—		—	
16		16		17	

## FOURTH YEAR

Fall Term		Winter Term		Spring Term	
Music 224	.....2	Music 225	.....2	Music 226	.....2
Music 244	.....3	Music 215	.....2	Music 216	.....2
Music 214	.....2	Music 218	.....2	*Ed. 250 or 251	..7½
Elective	.....9	P. E. 120	.....3	Elective	.....5
P. E.	.....0	Elective	.....7	—	
—		—		16½	
16		16			

\*For those planning to teach in the elementary field, Educ. 104, 105, 106, 103, and 240 and 241 should be substituted for Educ. 200, 205, 202, 201, and 250 and 251.

\*\*For teaching the applied music at least 14 hours must be taken in the chosen fields. For the certificate in Public School Music alone the applied music must be distributed over two fields, one or which must be piano.

## DESCRIPTIONS OF APPLIED COURSES

Unlike courses where students pursue the same general plan, instruction in music involves special adaptation to the needs of each individual pupil. The primary aim is to lay a thorough technical foundation, at the same time seeking to establish right habits of musical thinking, in order that between the technical means and the aesthetic result no line may be drawn.

In piano the correct hand form, proper action, nerve and muscle control are established. In voice the best methods of breathing and tone placement are employed. Coupled with these two aims there is a careful study of the works of the great masters which are used through all stages of advancement in order that the emotional and intellectual faculties may

be developed in company with the technical, and the student grow in sympathetic understanding of all that is involved in artistic playing and artistic singing.

## PIANO

## PREPARATORY

For convenience in grading this work is divided into three grades. This does not necessarily mean three years, as the student is advanced as rapidly as his ability and application to work make possible.

## GRADE I

Special attention is paid to hand position, properties of touch, notation, and rhythm.

Beginner's Exercises and Studies by Koehler, Loeschhorn, Meyers, or others.

Easy pieces.

## GRADE II

Major and Minor Scales, one octave, hands separate.

Biehl, Op. 114, and Loeschhorn, Op. 65, books 2 and 3.

Kunz — Canons.

Sonatas by Clementi, Kuhlau, and Loeschhorn.

Pieces of equal grade.

## GRADE III

Major and Minor Scales, two octaves, slow tempo

Koehler, Op. 242.

Meyers — Second Etude Album.

Heller, Op. 47.

Sonatas or easy sonatas by Clementi, Haydn, and Mozart.

Pieces of equal grade.

More advanced work is supplied in this grade when necessary.

## COLLEGIATE COURSE

101, 102, 103. FIRST YEAR PIANO 6 Hours

Technique: Major and minor scales four sixteenths at M. M. 80; 2, 3, and 4 octaves, parallel and contrary motion; chords; major and minor triads. Arpeggios in various forms on major and minor triads.

Studies from Czerny, Berens, Clementi, etc.

Compositions: Bach, some two and three part inventions; Beethoven Sonatas or movements from Sonatas, such as Op. 2, No. 1; Op. 14, No. 3, or Sonata D Major. Mendelssohn, Songs without Words; easier pieces of Schumann, Schubert, Chopin's Nocturne Op. 9, No. 2, F Minor Op. 55, No. 1, etc.

104, 105, 106. SECOND YEAR PIANO 6 Hours

Technique: Major and minor scales in thirds, sixths, tenths, and octaves, parallel and contrary motions M. M. 88. Chords: majors, minors, diminished triads; dominant and diminished sevenths. Arpeggios on major, minor, or triads, and dominant and diminished seventh chords.

Studies: Czerny, Op. 740; Cramer; Hanon; Phillip; Clementi.

Bach: Well Tempered Clavichord; English Suites.

Sonatas: Beethoven, Op. 2, No. 3; Op. 10, No. 2; Op. 13, 22, 28, 76, 26.

Pieces: Chopin, Etudes, Waltzes, Nocturnes, Preludes; Schumann, Fantasy Pieces, Novelties, Arabesque; easier works of Brahms, Debussy, Liszt.

201, 202, 203. THIRD YEAR PIANO 6 Hours

Technique: Scales and arpeggios to M. M. 108; Brahms, 51 Exercises.

Studies: Clementi, Czerny.

Sonatas: Beethoven, Op. 31, 27, 90, 81, etc.

Pieces: More difficult pieces as Chopin Ballades, Etudes, and Nocturnes; Brahms, Rhapsodies, Ballades, Intermezzo; compositions by Liszt, Debussy, Ravel, Scriabine.

204, 205, 206. FOURTH YEAR PIANO 6 Hours

Chopin: Etudes.

Bach: Organ transcriptions of Busoni, Tausig, Liszt.

Sonatas: Beethoven, Schumann, Brahms or Chopin.

Pieces such as Schumann, Etudes Symphoniques; Liszt, La Campanella, Rigolletto, Hungarian, and Spanish Rhapsodies, Mefisto Waltz, etc.; Albeniz, Triana; Ravel, Pavane, Jeux d'eau, Le Gibet, Scriabine, Ninth Sonata, Op. 68; Debussy Reflects dans l'eau. La Cathedrale engloutie, L'Isle joyeuse etc., Concertos; Bach D Minor; Brahms, D Minor; Liszt, E Flat major, A major; Tchaikowsky, B Flat minor, etc.

### VIOLIN

Private instruction, Wednesday and Friday afternoons, by appointment.

### PREPARATORY

Preparatory material on which students may be examined before entering the freshman year:

Kayser, Etudes, Op. 20, Bk. II.

Gruenberg, Progressive Studies, Vol. I, or other similar Etudes.

Scales and Arpeggios in the lower three positions.

Dancla Air Varies, Seitz Concertos and similar works.

### COLLEGIATE

101, 102, 103. FIRST YEAR VIOLIN 6-12 Hours

Fundamental technical exercises of Sevcik.

Two octave scales and arpeggios.

Mazas, Op. 36, Bk. I.

Dont, Op. 37.

Alard, Op. 21.

Sitt, Op. 20.

First part of Kreutzer Etudes.

Concertos of Acolay, Haydn.

Sonatas and Sonatinos of Handel, Schubert.

Standard works of medium difficulty.

104, 105, 106. SECOND YEAR VIOLIN 6-12 Hours

Tartini, Art of the Bor; Sevcik, Op. 8-9.

Mazas, Part II.

Schradieck, Op. 37, Vol. 3.

Concertos of Rode, Vivaldi, Nardini, Vietti, Leclair.

De Beriot, Bach, A minor.

Pieces by De Beriot, Alard, Leonard, Vieuxtemps, Wieniawski, and other standard works.

201, 202, 203. THIRD YEAR VIOLIN 6-12 Hours

Sevcik, Op. 1, Parts 3 and 4.

Flasch scale system.

Sonata from classical and romantic periods.

Etudes of Rode, Rovelli, Fiorilli, Wieniawski.

Etude Caprices.

**Concertos.**

Sophr, Bach E major and standard repertory.

Chamber music study.

**204, 205, 206. FOURTH YEAR VIOLIN 6-12 Hours**

Kneisel and Gavinies, Etudes.

Dont, Op. 35.

Paganini, Caprices.

Saret, L'Ecole Moderne, Wieniawski.

Bach Sonatas.

Concertos of Brauch, Wieniawski, Lato, Saint-Saens, Mendelssohn, and others.

Sonatas and concertos by modern composers.

Chamber music study.

A public recital is required for the senior year.

**VIOLINCELLO****101, 102, 103. FIRST YEAR 6-12 Hours**

Major and minor scales in three octaves. Study of bowing and thumb position exercises in Grutzmacher's Daily Exercises, Vols. I and II, from Dotzner's 113 Exercises. Selected solo pieces of suitable grade.

**104, 105, 106. SECOND YEAR 6-12 Hours**

Four octave scales; Giese's Scales and Technical Exercises. Exercises of Joseph Werk and A. Franchomme. Easier sonatas, concertos, and scales

**201, 202, 203. THIRD YEAR 6-12 Hours**

Four octave scales. Julius Klanzel, Studies; Dupont, Studies; Bach, Sonatas. Concertos of Goltermann, Romberg, Linder, and others. Difficult solo pieces.

**204, 205, 206. FOURTH YEAR 6-12 Hours**

Exercises of Battanshow, Popper Grutzmacher; Concertos of Saint-Saens, Hayden, Lalo, Volkman, and others. Sonatas of Beethoven, Brahms, Grieg, Boelmann.

**VOICE****100a, 100b, 100c. CLASS INSTRUCTION IN VOICE 1 Hour**

Designed for students interested in problems of singing and voice development. Fall, Winter, Spring. Fee \$5.00.

**101, 102, 103. FIRST YEAR VOICE 6-12 Hours**

It would be impossible to outline a course of training suitable for all students, since so much depends upon the individual ability of the pupil. No methods are adhered to strictly and only a general idea of the work can be given.

Production of tone by correct breathing and proper tone placement. Vocalizes consisting of vowel practice and exact articulation of consonants. Singing major and minor scales, arpeggios, and easy secular and sacred songs in English.

**104, 105, 106. SECOND YEAR VOICE 6-12 Hours**

Continued drill in breathing and tone placing; more difficult exercises in vocal technique requiring greater velocity in scales and arpeggios. More difficult secular and sacred songs from classics with perhaps an easier operatic aria or selection from an oratorio.

**201, 202, 203. THIRD YEAR VOICE 6-12 Hours**

Continued development in technical power; study of difficult and complicated melodic and rhythmic figures. Much attention given to interpretation and the study of such composers as Hayden, Handel, Gounod, Brahms, Franz, Schubert, Schumann, Saint-Saens, MacDowell, Chadwick, etc.

**204, 205, 206. FOURTH YEAR VOICE 6-12 Hours**

Acquaintance with a wide range of song literature from modern and classic composers will be made. Ensemble singing study of operas and oratorios, and French, German, and Italian songs. Also the compositions of Kramer, La Forge, Hageman, etc.

**THEORY****101, 102, 103. SIGHT SINGING 6 Hours**

Beginning course in sight singing. Fall, Winter, Spring. M., W. 2:15. Kirk.

**111, 112, 113. SIGHT SINGING, EAR TRAINING AND DICTATION 6 Hours**

This course is to develop ability to write from dictation easy intervals and scales, then with rhythm, and later melodies in primary triads. It also includes practice in sight singing and oral dictation. Fall, Winter, Spring. T., Th. 1:15. Kirk.

## 114. GRADE SCHOOL MUSIC METHODS 3 Hours

Designed for non-music majors who are preparing to teach in the grades. Winter. 2:15. Kirk.

116, 117. ADVANCED SIGHT SINGING  
EAR TRAINING AND DICTATION 4 Hours

A continuation of 111-113 with more difficult selections. Prerequisite: 111-113 or the equivalent. Fall, Winter, Spring. T., Th. Kirk.

## 121, 122, 123. ELEMENTARY HARMONY 9 Hours

A study of diatonic harmony leads the student from an introduction to the elements of harmony through a study of triads, sevenths and ninth chords, their inversions and relations, to modulation. Fall, Winter, Spring. M., W., F. 9:00.

140 a, b, c, 150 a, b, c, 200 a, b, c,  
201 a, b, c, ENSEMBLE 4 Hours

Training in chorus, glee clubs, quartets, orchestra, band, and ensemble. Instrumental ensemble is required of all students majoring in piano, violin or other orchestral instruments. Chamber music is required of all students majoring in stringed instruments, and chorus or glee club is required of all students majoring in voice or public school music. Ensemble 140, 150, covers the freshman and sophomore years respectively and are one hour each; 200 and 201 cover the junior and senior year and are one hour. Four hours credit will be allowed to music majors, one hour each year, and three hours will be allowed to non-music majors. Fall, Winter, Spring. 6:00.

204, 205, 205. HISTORY AND  
APPRECIATION OF MUSIC 9 Hours

A study of the evolution of music from antiquity to modern times. The influence of individuals and of political and social movements on the developments of music is studied. Bibliography of composers and a study of their styles of composition. No prerequisite. Fall, Winter, Spring.

214, 215, 216. ORCHESTRATION  
AND INSTRUMENTATION 6 Hours

A study of the instruments of the orchestra and how to arrange music for them. Fall, Winter, Spring. T., Th. 4:15. Kirk.

## 218. CONDUCTING 3 Hours

This course includes baton technique, rehearsal methods, interpretation, repertoire, arranging and selecting music for performance by orchestras, band, and chorus. Winter. M., W. 4:15. Kirk.

## 220. HYMNOLOGY 2 Hours

Designed for those interested in church music. Prerequisite: Music 101, 102, and 103 or equivalent. Fall, Winter, or Spring.

## 221, 222, 223. ADVANCED HARMONY 9 Hours

Chromatic harmony deals with chromatic chords used as embellishments and substitutes for diatonic harmony; with chromatic chords used as a means of effecting modulation; and with the use of this material in the study of form and analysis. Fall, Winter, Spring. M., W., F. 11:30.

## 224, 225, 226. FORM AND ANALYSIS 6 Hours

The study of musical form as represented by longer works of great composers. Various designs and patterns in which music is written are studied in detail that the student may be able to understand the construction of music both in his repertory and in music he hears. Fall, Winter, Spring. M., W., F. 9:00.

## 227, 228, 229. COMPOSITION 6 Hours

A study of melodic composition for Piano and Voice, and for combinations of instruments and voice. Fall, Winter, Spring. 11:30. T., Th.

## 242. MUSIC EDUCATION 3 Hours

A more advanced course in music methods in elementary schools for those majoring in public school music or for those who have had 114 and special musical experience. Fall. M., W., F. 2:15. Kirk.

## 224. MUSIC EDUCATION 3 Hours

Methods in public school music for high school. Fall. M., W., F. 11:30. Kirk.

## 251, 252, 253. COUNTERPOINT 6 Hours

Counterpoint in two, three, and four parts, combined species, and fugue. Prerequisite: Harmony 223. Fall, Winter, Spring. T., Th. 10:30.

## COST OF INDIVIDUAL INSTRUCTION

## PIANO, VOICE, OF VIOLIN

Two lessons per week, per term .....	\$25.00
High School Students (2 lessons a week) .....	20.00
One lesson per week, per term .....	15.00
Two class lessons per week, per term, per class, .....	25.00

## FEE FOR PIANO PRACTICE

One hour daily practice, per term .....	\$2.00
Two hours daily practice, per term .....	4.00
For each additional hour .....	1.00

## REGULATIONS

No deductions will be made for lessons missed except in the case of protracted illness. Lessons missed will not be made up except in case of illness. Lessons falling on holiday are not made up. Pupils must register with the registrar at the beginning of each term before lessons will be given.

*Graduates: 1945*

Adams, Mary Etta	B.A.	Home Economics	Ark.
Box, Polly Rose	B.A.	Social Science; English	Ark.
Brandon, Roberta	B.A.	Phy. Edu.; Science; English	Tenn.
Coleman, Norris Keith	B.A.	English; Social Science	Ark.
Crawford, Clovis Elmore	B.A.	Bible; Social Science; English	Ark.
Douthitt, Fanajo	B.A.	Speech; English	Tenn.
Ferguson, Worley	B.A.	Bible, Social Science; English	Ark.
Garner, Geo. Albert	B.A.	Bible; Speech	Ark.
Hawkins, Robt. Bondurant	B.A.	Bible; History; Science	Ky.
Hawley, Monroe Elwyn	B.A.	Bible; Social Science; Math.	Mich.
Haws, Homer H.	B.A.	Bible; Hist.; English; Biol.	Mich.
Holland, Harold Edward	B.A.	Bible; English; History	Tenn.
Jackson, Lucy Pauline	B.A.	Business Adm.; Science	Ark.
Larsen, Dale R.	B.A.	English; Bible; Soc. Science	Neb.
Lawyer, Dean Louis	B.A.	Bible; History	Ark.
Maple, Betty Marie	B.A.	History; Education	Kan.
Neal, Eris Christine	B. S.	Music; English	Ark.
Paden, Paul A.	B. S.	Chemistry	Ark.
Perkins, O. R.	B.A.	History; Bible; English	Texas
Price, Carmen Eloise	B. S.	Home Economics; Science	Ark.
Quarles, Bessie May	B.A.	Business Adm.; Bible	Tenn.
Richmond, Ann	B. S.	Music; English	Tenn.
Rickman, Blanche Irene	B.A.	English; History	Ark.
Roper, Sidney G.	B.A.	English; Bible; History	Texas
Rutherford, Clinton	B.A.	Bible; Eng.; Greek; Soc. Sc.	Ky.
Sawyer, Wyatt	B.A.	Bible; Speech; Biol.; Eng.	Texas
Sinele, Mabel Ford	B.A.	Soc. Sc.; Mathematics	Ark.
Starling, Ralph L.	B.A.	Bible; Biology; Business Ad.	Miss.
Stubblefield, Sara Elkins	B. S.	Home Economics; Education	Tenn.
Tipps, George David, Jr.	B.A.	Bible; Biology; Soc. Sc.	Texas
Tranum, Delilah	B.A.	English; Spanish	Miss.
Tranum, Julia Mae	B.A.	English; French	Miss.
Vaughan, Tolbert F., Jr.	B.A.	History; Bible	La.
Waters, Marjorie Hartzler	B.A.	English; Home Economics	Okla.
Wesson, Ruby Jean	B. S.	Biology; Chemistry	Ark.
Wilson, Stella Kerr	B.A.	English; Education; Soc. Sc.	Ark.
Wiser, Cyrus Wymer	B. S.	Biology; Bible; Chem.; Math.	Tenn.
Wooton, Joseph Howard	B.A.	Soc. Sc.; Bible; English	Okla.



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**Education**

102 Educational psychology	1.00 per quarter
103 Child Psychology	1.00 " "
204 Test & Measurements	1.00 " "
205 Adolescent Psychology	1.00 " "

**Business**

102, 3, 4 Stenography	3.50 Spring term (unless taken with typing)
105, 6, 7 Typewriting	3.50 per term

**Speech**

104, 105 Fundamentals of make-up	3.00 per quarter
209 Make-up	2.00 " "

**Home Economics**

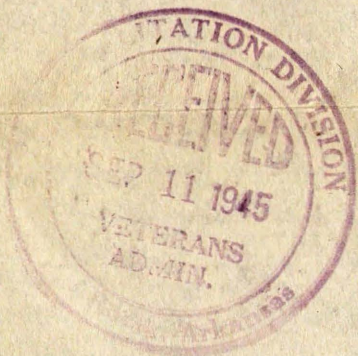
101 Clothing	3.00 per quarter
111 Clothing	3.00 " "
201 Advanced Clothing	3.00 " "
211 History of Costume Design	1.00 " "
213 Room planning and designing	1.00 " "
221 Period Furniture	1.00 " "
102 Food selection & Preparation	3.00 " "
112 Food buying and meal management	3.00 " "
202 Experimental cookery	3.00 " "
212 Principles of nutrition	4.00 " "
222 Child nutrition and nutrition in disease	2.00 " "

**Physical Education**

103 Equestrian	5.00 per quarter
210 Construction of physical education and playground equipment	3.00 " "

**Physical Science**

101, 102 General Chemistry	5.00 Deposit \$2
104 Qualitative analysis	Deposit 3.00 7.00 per quarter
104 (a) " " "	3.00 5.00 " "
105-b " " "	3.00 5.00 " "
201, 202, 203 Organic Chemistry	Deposit 5.00 7.00 " "
206 Organic Qualitative Analysis	Deposit 5.00 10.00 " "
207 Advanced Inorganic Chemistry	Deposit 3.00 5.00 " "
210, 211 Biological Chemistry	Deposit 5.00 7.00 " "
212, 214, 215 Physical Chemistry	Deposit 5.00 7.00 " "
103, 104, 105 General Physics	5.00 " "



Piano Practice	
1 hour daily	\$ 2.00 per term
2 hours daily	4.00 " "
Each additional hour	1.00 " "
Graduation Fee	7.50
Absences (3 unexcused)	1.00
Examinations, special	.50
Transcripts, each additional	1.00
Certificates (teacher's application)	1.00

