

1992

## Harding University Graduate Catalog, 1992-1994

Harding University

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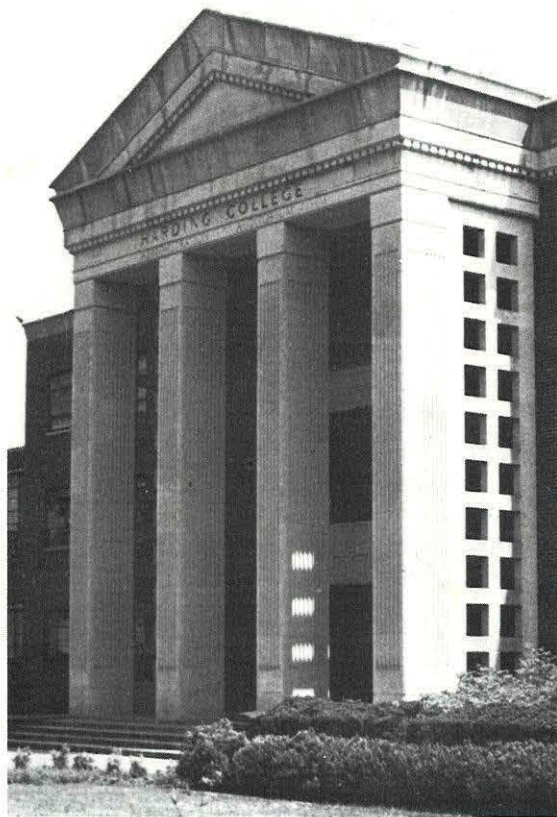
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HARDING  
UNIVERSITY  
GRADUATE CATALOG

1992-94



## University Calendar

### Fall Semester - 1992

|  |                                       |
|--|---------------------------------------|
| Counseling and Registration . . . . .                      | August 24-25                          |
| Class Work Begins . . . . .                                | August 26                             |
| Deadline for Application for Comprehensive Exams . . .     | Sept. 18                              |
| Final Date for Application of Degree . . . . .             | September 11                          |
| Miller Analogies Test . . . . .                            | September 22                          |
| National Teacher Examinations (Core Battery) . . .         | October 24                            |
| Comprehensive Examinations . . . . .                       | November 7                            |
| National Teacher Examinations (Specialty Area).November 14 |                                       |
| Miller Analogies Test . . . . .                            | November 17                           |
| Thanksgiving Recess. . . . .                               | November 21-29                        |
| Final Examinations . . . . .                               | December 15-18                        |
| Graduation . . . . .                                       | 10:00 a.m., December 19               |
| Christmas Recess. . . . .                                  | December 19, 1992 to January 11, 1993 |

### Spring Semester - 1993

|  |                    |
|--|--------------------|
| Counseling and Registration . . . . .                  | January 11-12      |
| Class Work Begins . . . . .                            | January 13         |
| Final Date for Application for Degree. . . . .         | February 5         |
| Deadline for Application for Comprehensive Exams . . . | Feb. 5             |
| Miller Analogies Test . . . . .                        | February 16        |
| National Teacher Examinations (Core Battery) . . . .   | March 6            |
| Spring Recess . . . . .                                | March 13-21        |
| National Teacher Examinations (Specialty Area). . .    | March 27           |
| Comprehensive Examinations . . . . .                   | April 3            |
| Miller Analogies Test . . . . .                        | April 20           |
| Final Examinations . . . . .                           | May 10-14          |
| Graduation . . . . .                                   | 10:00 a.m., May 15 |

### Summer Term - 1993

|   |                       |
|---|-----------------------|
| Intersession . . . . .                                | May 17-June 2         |
| Counseling and Registration . . . . .                 | June 7                |
| Class Work Begins . . . . .                           | June 8                |
| Deadline for Application for Comprehensive Exams . .  | June 14               |
| National Teachers Examinations (Core Battery) . . . . | June 12               |
| First Session Ends. . . . .                           | July 9                |
| National Teacher Examinations (Specialty Area). . . . | July 10               |
| Class Work Begins, 2nd Session. . . . .               | July 12               |
| Final Date for Application for Degree. . . . .        | July 13               |
| Comprehensive Examinations . . . . .                  | July 17               |
| Miller Analogies Test . . . . .                       | July 27               |
| Final Examinations, 2nd Session . . . . .             | August 12             |
| Graduation . . . . .                                  | 10:00 a.m., August 13 |



## Descriptive Catalog of Harding University Graduate Bulletin

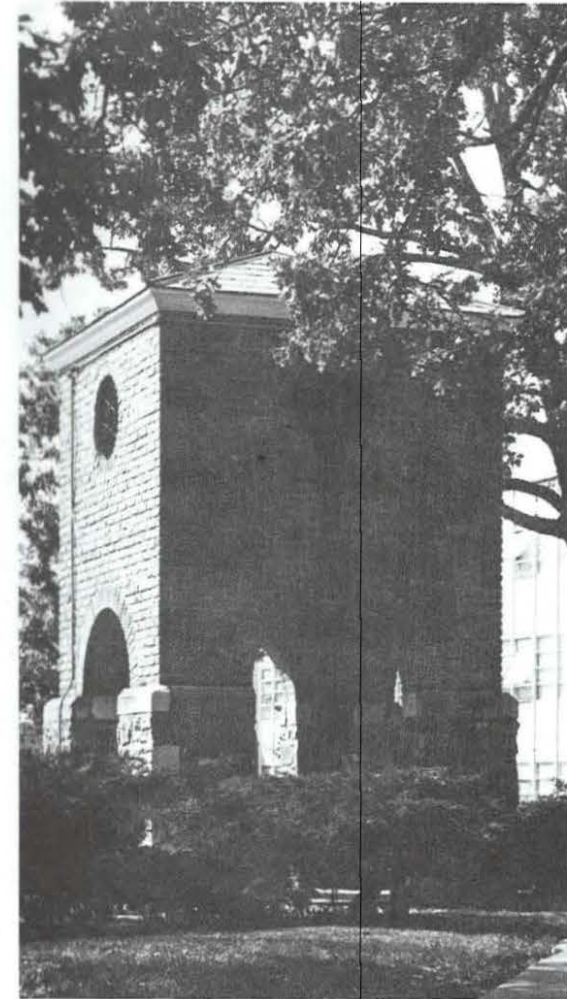
1992-94

Harding University  
Searcy, Arkansas 72149  
Telephone 501/279-4315

Harding University admits students of any race, color, and national or ethnic origin. Also, in compliance with Title IX of the Educational Amendments of 1972, and section 504 of the Rehabilitation Act of 1973, Harding University does not discriminate on the basis of sex or handicap in its educational program, activities, or employment except where necessitated by specific religious tenets held by the institution and its controlling body.

## Table of Contents

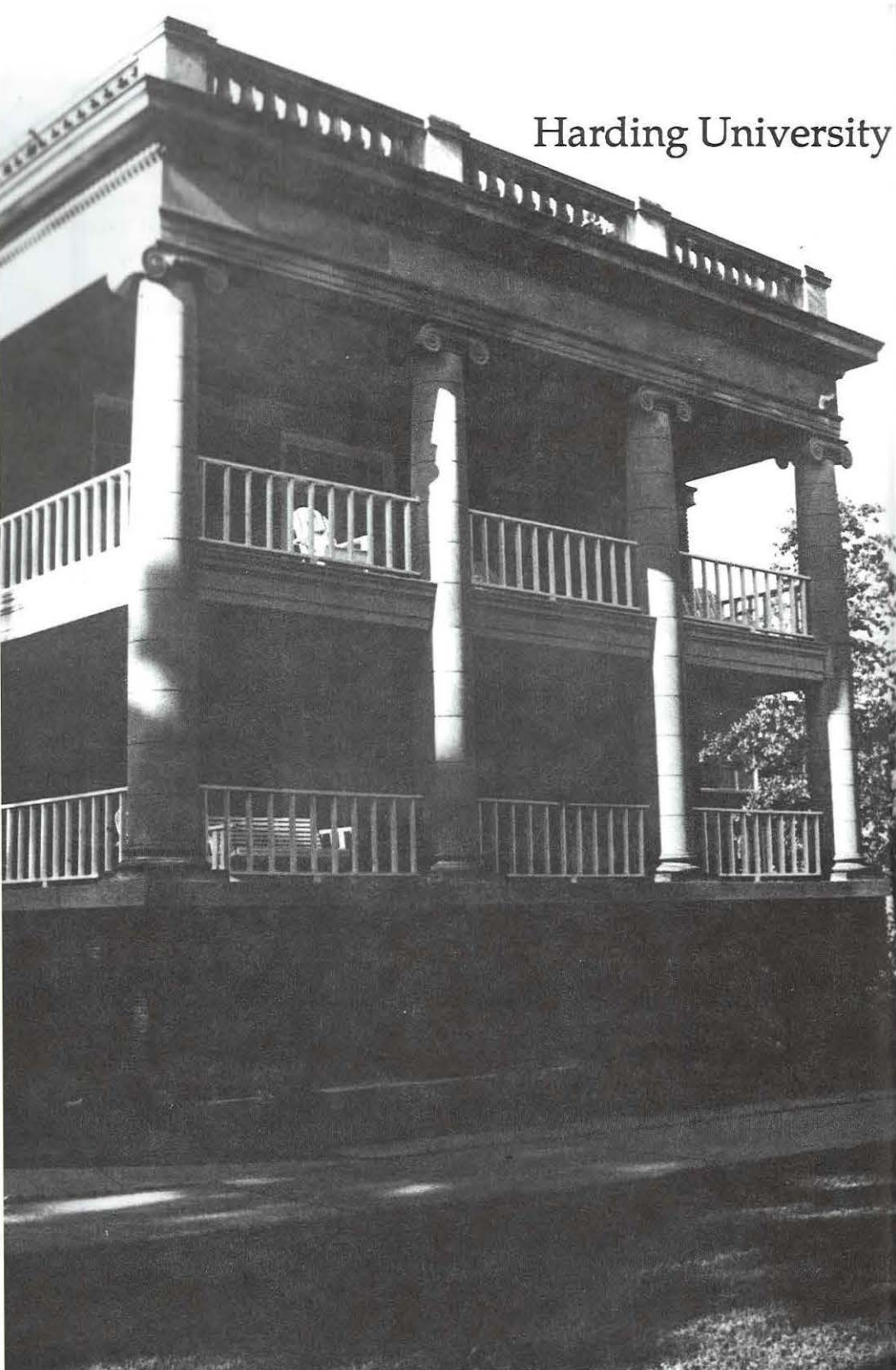
|          |   |
|----------|---|
| PART I   | GENERAL INFORMATION.....3<br><i>Purpose..History..Location.. Accreditation..Campus<br/>Building.. Placement..General Regulations.</i>     |
| PART II  | ACADEMIC INFORMATION.....13<br><i>Graduate Studies..Administration.. Admission<br/>Requirements..Majors Offered..Degree Requirements.</i> |
| PART III | COURSES OF INSTRUCTION.....26   |
| PART IV  | DIRECTORY OF PERSONNEL..... 59  |
|          | INDEX.....64  |



## General Information

Purpose...History...Location...Accreditation... Campus  
Buildings...Placement Office...General Regulations





Harding University is a Christian institution of arts and sciences. Its purpose is to give students an education of high quality which will lead to an understanding and a philosophy of life consistent with Christian ideals. It aims to develop a solid foundation of intellectual, physical, and spiritual values upon which students may build useful and happy lives.

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

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

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

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

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

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



**Harding began** as a senior college in 1924, when two junior colleges, Arkansas Christian College and Harper College, merged their faculties and assets, adopted the new name of Harding College, and located on the campus of Arkansas Christian in Morrilton, Arkansas. Harper had been founded in Harper, Kansas, and Arkansas Christian had been chartered in 1919. Harding became a university in 1979.

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

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

One of Harding's first graduates, George S. Benson, returned from his mission work in China in 1936 to assume the presidency of his Alma Mater. The vigorous educator quickly directed the college out of deep indebtedness and launched it on a long journey to financial stability, national recognition, and academic accreditation. When Dr. Benson retired in 1965, his 29 years of tireless service were more than evident in a multi-million-dollar campus, full accreditation, a strong faculty, and a continually growing student body. Dr. Benson died Dec. 15, 1991.

Dr. Clifton L. Ganus, Jr., a 1943 graduate, served as president from 1965 to 1987. Dr. Ganus, a former history department chairman and vice president of the college, now serves as Chancellor. During his administration, enrollment increased from 1,472 in the fall of 1965 to 2,823 in the fall of 1987, peaking at 3,084 in the fall of 1984. Dr. Ganus instituted a Decade of Development Program, during which more than 11 new buildings were added to the campus along with several married students' apartments as well as the renovation of six academic buildings. Several programs including Harding University in Florence (Italy) were developed during his administration. In Memphis, Tennessee, the Graduate School of Religion received accreditation by the Southern Association, and added the Doctor of Ministry degree to its program. It was during his tenure that Harding moved to full university status.

President David B. Burks, a 1965 alumnus of Harding, was inaugurated in 1987. Dr. Burks has been a member of the faculty since 1967 and has served as Dean of the School of Business. He received the Distinguished Teacher Award in 1974 and 1986. He is Director of the American Studies Program and is a C.P.A.



**Harding's home community**, Searcy, Arkansas, is a city of about 15,180 persons and the seat of White County. Founded in 1837, Searcy enjoyed a gradual growth as a center of a chiefly agricultural area until the last 35 years, when the location of several industries in the city brought a favorable balance of economy and a more rapid growth than before. Today's Searcians are a progressive citizenry proud of their community and dedicated to its advancement.

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

The proximity of Little Rock and Memphis gives Searcians access to the advantages of a metropolitan area without sacrificing the special charms of



small-town living. Both faculty and students enjoy the cultural and entertainment offering of the two cities. Searcy itself has recreational facilities of all types, and Greer's Ferry Lake to the north of the city is famous across the country for its fishing and other water sports.

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

**Accreditation** is the measure of a university's adherence to the professional standards of the nation's academic community. It means that Harding students can be certain that credits earned at Harding will have transfer value to other institutions, just as incoming transfer students may be assured that the university can be expected to honor most of the credits earned at similarly accredited institutions.

Harding is accredited by the North Central Association of Colleges and Secondary Schools for all work leading to the Associate of Arts (in applied office science only), Bachelor of Arts, Bachelor of Business Administration, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Music Education, Bachelor of Science, Bachelor of Science in Medical Technology, Bachelor of Science in Nursing, Bachelor of Science in Social Work, Master of Education, and Master of Science in Education degrees. Its undergraduate teacher education program for preparing both elementary and secondary teachers is accredited by the National Council for Accreditation of Teacher Education. Its undergraduate program in social work is accredited by the Council on Social Work Education. The undergraduate program in nursing is accredited by the National League of Nursing.

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

**Campus buildings** are compactly and attractively located on about 200 acres within a few blocks of downtown Searcy. Additional campus property, consisting of farm land, lies southeast of the campus. The 46 buildings with their equipment and educational facilities, valued at more than \$45.5 million, provide an efficient and well-furnished educational plant.

**The Placement Office** keeps in constant touch with schools, industries, and businesses, and assists Harding graduates, graduating seniors, and graduates of any recognized senior college who have completed, or are completing, six semester hours of acceptable graduate work at Harding in finding suitable positions. All graduates may register with the Placement Office, and graduates may write back to the university at any time for help in securing new jobs. There is a charge of \$5 per set of credentials for every set after the graduate has been out of school two years.

**The Brackett Library** subscribes to 1,152 periodicals and 13 newspapers. Its collections include 366,053 volumes and assorted other media including records, videos, kits, maps, etc. Access to information is enhanced by the "Electronic Library" which includes an automated catalog, circulation system, acquisitions system; periodical indexing on CD-Rom's for various fields and general interest periodicals; and the availability of on-line searches of remote databases such as BRS, DataTimes and WESTLAW. An interlibrary loan service is available to students.

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

Students are responsible for reading and observing all regulations in the Student Handbook. The following basic regulations are designed to contribute to the welfare of each student:

**BIBLE CLASSES:** The university believes that a knowledge of the Bible and



an appreciation of its teachings constitute the foundation for building happy and useful lives. Therefore, graduate students are required to include two hours of Bible in their graduate program.

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

**NON-RESIDENT STUDENTS:** Local students are expected to observe university regulations while on campus and when participating in university activities.

**TOBACCO:** The university considers the use of tobacco in any form to be detrimental to the college process and such behavior may subject the student to separation from the university. This applies to all school activities, either on or off campus.

**MORAL CONDUCT:** Drinking, gambling, dancing, hazing, obscene literature and pictures, and profanity are not consistent with the moral standards of a Christian institution. Students are expected to recognize this fact and govern themselves accordingly.

Since this catalog is printed for two years, please check with the Graduate Studies Office for the prices in effect for the semester in which you wish to enroll.

**TUITION AND FEES:** (Effective August, 1992)

|  |               |
|--|---------------|
| Tuition per semester hour.....                         | \$154.50      |
| General Fees per semester hour.....                    | 27.50         |
| Late Registration Fee (See Late Enrollment on Page 18) |               |
| Graduation Fee.....                                    | 58.00         |
| Thesis Binding (two copies).....                       | Approx. 25.00 |
| Course Fees (see Academic Section)                     |               |

**NIGHT REGISTRATION:** Students taking only evening classes during the fall or spring semesters need not appear for registration at the regular registration time. Such registration may be made at the FIRST night class period in the student's schedule.

**PAYMENTS:** Semester charges are due at the time of registration. If arrangements are needed, payment can be made as follows:

Downpayment-Due at Registration

\$1,300.00 must be paid by all students taking 12 or more hours, living in university housing, or purchasing food service. One-fourth of total bill must be paid by all students taking 11 or less hours and living off campus without food service.

**Installments:** Plan 1 - After the required downpayment, the balance may be paid by September 20 in the fall and February 5 in the spring. Plan 2 - After the required downpayment, the balance may be paid in three equal install-

ments as follows:

|                     |                    |
|---------------------|--------------------|
| Fall - September 20 | Spring -February 5 |
| October 20          | March 5            |
| November 20         | April 5            |

Deferred Payment Fee - \$16.00 is charged if the required downpayment is not paid at registration or if after the downpayment at registration the balance is not paid by September 20 in the fall and February 5 in the spring.

Any arrangements other than the ones stated above must be cleared with the Business Office prior to registration. An eight percent per annum service charge will be added to past due accounts.

**ROOM AND BOARD:** Rooms in the residence halls are \$732.00 per semester.

Board ranges from \$860.00 to \$1,119.00 per semester depending on the meal plan and declining balance selected.

All students who live in Harding University residence halls are required to eat in the cafeteria. Students who have a doctor's statement that they are on a special diet will still be required to eat in the cafeteria, but the cafeteria will furnish the diet prescribed by the doctor at the regular cafeteria price. Meal tickets are nontransferable.

Married students may rent modern, completely furnished apartments on campus for \$199.00 (one-bedroom) and \$210.00 (two-bedroom) per month, plus utilities in the East Married Student Apartments. The West Married Student Apartments rent for \$199.00 (one-bedroom) and \$250.00 (two-bedroom) per month, plus utilities.

A reservation fee of \$100.00 is required to reserve a room. A reservation fee of \$100.00 is required to reserve an apartment. These fees are refundable if the reservation is canceled 30 days prior to occupancy date.

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

After a student registers, there will be no refund of the general fees. When a student officially withdraws, refund of tuition (hours charged only) will be governed by the following policy calculated from the catalogued date for enrollment.

|                    |                              |
|--------------------|------------------------------|
| Within one week    | 90 percent refund of tuition |
| Within second week | 80 percent refund of tuition |



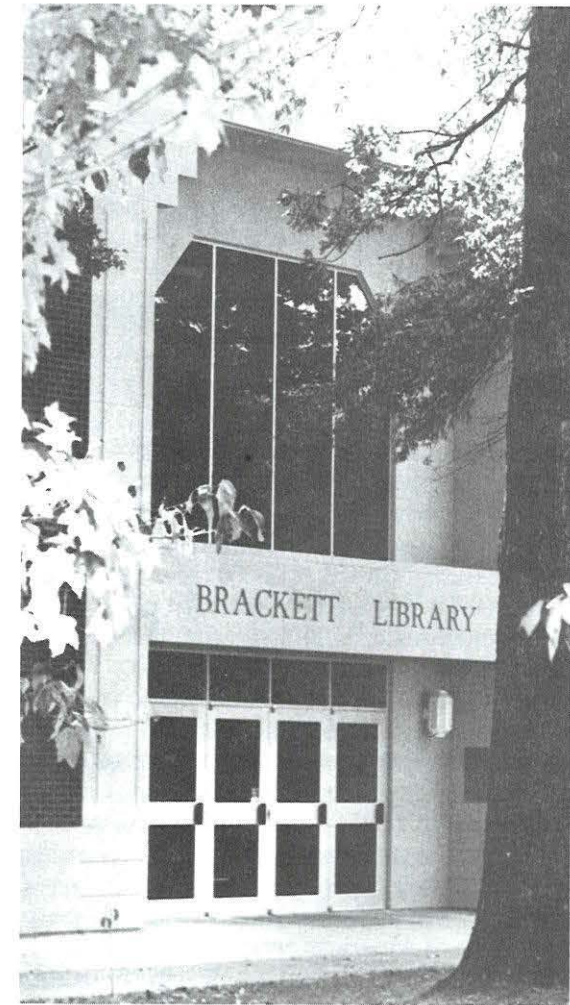
Within third week 60 percent refund of tuition  
Within fourth week 40 percent refund of tuition  
Within fifth week 20 percent refund of tuition  
After fifth week no refund of tuition.

Students leaving the dormitory by permission of the administration will be refunded rent for the unused time except that any part of a four-week period started will be counted as a full period. Board will be refunded when the student ID is returned to the Business Office. Cost of meals and declining balance will be due for any week started plus any declining balance spent over the amount prorated. No refund can be made for meals missed while the student is enrolled. The official check-out from the dormitory is the determining factor for meal refunds. Refunds cannot be made for meals missed due to late enrollment. Scholarships will be charged back at the same rate tuition is refunded. If the withdrawal results from the student's misconduct, the institution is under no obligation to make any refunds.

**SUPERVISING TEACHERS:** Any teacher who has supervised Harding University student teacher(s) may receive 3 hours tuition free for each student teacher. Such a course should be taken the semester following the supervision of the student teacher, and the Director of Graduate Studies must be notified of such intent at least one week prior to the regular registration date. Not more than 6 hours will be given tuition-free to any one graduate student in this program.

**SCHOLARSHIP AND LOAN FUNDS:** Several partial scholarships and a few assistantships are available to deserving graduate students. Application letters should be sent to the DIRECTOR OF GRADUATE STUDIES. Loan funds are also available to graduate students in need of financial assistance. Inquiries for loan funds should be directed to the DIRECTOR OF FINANCIAL AID.

**SCHEDULE OF GRADUATE COURSES:** During the regular academic year a limited number of graduate courses will be offered at night for the benefit of in-service teachers in the area. A full-time student can complete degree requirements in one calendar year. A person writing a thesis would probably wish to spend one extra semester doing the necessary research. The degree may be completed in multiple summer sessions.



Academic Information



**Graduate Studies** at Harding University's Searcy campus lead to the Master of Education degree, and the Master of Science in Education degree. The Master of Education program is designed to give new and in-service teachers more adequate preparation for their professions. With the expansion of knowledge in each academic teaching field and with a wealth of new information about teaching drawn from current research and practice, it has become increasingly more difficult for students to attain in a four-year undergraduate course the competencies needed in the teaching profession. Even experienced teachers frequently require further work to keep abreast of current developments and to enrich their preparation. The graduate program at Harding meets the needs of both new and experienced teachers who recognize the personal and professional benefits to be gained from additional training in academic, cultural, and professional fields. The student who did not certify to teach on the undergraduate level may do so while pursuing the Master of Education degree. The Master of Science in Education degree program is planned to facilitate student attainment of vocational and personal goals without completing teacher certification requirements. Many vocations do not require teacher certification but advanced knowledge and training are encouraged so that excellence can be achieved. The program is flexible for students who have specific vocational goals in mind related to educational services. Programs of study are arranged through conferences between the student, the Director of Graduate Studies, and an advisor in the area related to the student's vocational choice. The 600 level courses are available only to graduate students. The 500 level courses are open to both undergraduate and graduate students. Additional assignments are required of graduate students who take 500 level courses.

Course work, supervision, and counseling are on the graduate level. Each program is designed to meet the needs of the student with a view toward:

1. Enriching and deepening the student's professional knowledge.
2. Enhancing the student's field or fields of concentration.
3. Creating a fuller understanding of the role of educators in American school systems and their function in society.
4. Increasing the student's understanding of the aims, purposes, operation and administration of American schools.
5. Improving instructional skills and abilities through advanced work in professional courses.
6. Acquiring an understanding of and skill in research methods, the evaluation of data, and the adaption of data to professional needs.
7. Expanding the student's areas of certification.
8. Providing a solid academic background for those students who plan to attain other advanced degrees.
9. Providing an atmosphere in which Christian standards are held in high esteem.

The Master of Education degree program is concentrated primarily in the field of teacher education. Fundamentally, it is aimed at meeting the needs of the teacher in terms of knowledge and practice, certification requirements, salary-schedule increments, and other advantages normally expected from a year of advanced study and a Master's degree. The Master of Science in Education degree program was designed for those not certifying to teach. Students who have teacher certification or who desire to become certified to teach while pursuing the Master's degree will not be permitted to follow the Master of Science in Education degree plan. Candidates for the Master of Science in Education degree may emphasize an academic field or professional education based on their career goal. The programs can be undertaken during the regular academic year or during summer sessions. The Harding Graduate School of Religion is located at 1000 Cherry Road, Memphis, Tennessee 38117.

**Administration** of the graduate program is the responsibility of the Director of Graduate Studies, who is the Chairman of the Graduate Council and is assisted by the Council. The Graduate Council, appointed by the President of the University, is composed of the following members; Dr. Wyatt Jones, Chairman, Dr. Bobby L. Coker, Dr. Larry Long, Dr. Kim McLarty, Dr. Bill Oldham, Dr. Harry D. Olree, Dr. Jeanine Peck, Dr. Neale T. Pryor and two student members.

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

An application form for admission to do graduate study may be received by contacting the Director of Graduate Studies. All credentials must be submitted prior to registration of the semester or term which the applicant plans to attend.

Admission to graduate study is granted upon two levels as outlined below.  
**STUDENTS WHO ENROLL AT HARDING WITHOUT BEING ADMITTED CANNOT HAVE THAT COURSE WORK COUNTED TOWARD GRADUATION REQUIREMENTS UNTIL AFTER ADMISSION TO THE GRADUATE STUDIES PROGRAM**



## Entrance requirements for *unconditional admission* to graduate study are as follows:

1. A baccalaureate degree from a regionally accredited institution with a cumulative grade point average of 2.50 or more, or 2.75 on the last 60 hours, attested by two official transcripts.\*

OR

an earned Master's degree from a regionally accredited college or university, attested by two official transcripts.\*

(Undergraduate students in the University may register for graduate courses during their final semester's work, provided they lack not more than nine semester hours of credit for graduation, make formal application for admission to graduate study, and meet the other regular requirements.)

2. An entrance exam which must be either the Miller Analogies Test or the National Teacher Examinations. The MAT cut-off score will be determined after a three-year study. The NTE cut-off score will be the Arkansas cut-off scores for certification (professional knowledge and area). The applicant must have on file a copy of the scores.

3. A minimum score of 550 on the TOEFL (Test of English as a Foreign Language) is required for students whose native language is not English unless the student holds a degree from an American college or university.

4. Satisfactory references for the applicant must be attested by the submission of names and addresses of three persons who will be willing to testify concerning the applicant's professional or academic performance.

5. Graduates from institutions that are not members of a regional accrediting association will be considered for admission upon submission of scores from the aptitude section of the Graduate Record Examination. Any student making a score lower than 350 on the verbal section must make up the deficiency by passing the undergraduate English proficiency course with a minimum grade of "C." This deficiency must be met before admission to graduate study.

## Entrance requirements for *provisional admission* may be granted to applicants who:

1. Hold a baccalaureate degree from a regionally accredited institution with a grade point average below 2.50 but not less than 2.35, attested to by two official transcripts.\*

2. Same as 2, 3, 4, and 5 for unconditional admission.

\*Harding graduates need not submit transcripts.

Removal from provisional admission because of low grade point average requires one to complete 12 graduate level hours with at least a 3.0 grade point average. Six of those 12 hours must be in the academic area of concentration. Removal from provisional admission because of not having a degree and/or not having entrance exam scores requires proof of the degree and a copy of the entrance exam scores.

**ENTRANCE BY LETTER:** Any student who is currently enrolled in a graduate program in another regionally accredited institution, who wishes to take not more than six graduate hours at Harding University, and who wishes to transfer such credit to the other institution may register and receive such credit at Harding University by submitting a letter from his or her parent institution. This letter should state the standing of the student and that the work will be accepted in exchange. In this case no transcripts need be submitted to Harding University's graduate program. The Director of Graduate Studies is authorized to enroll such a student.

**APPLICATION FOR CANDIDACY:** Application for candidacy requires that each student have a foundation of professional preparation completed on the undergraduate level. Those who have been admitted to graduate study must submit a written application for candidacy during the term or semester in which 9 or more semester hours in residence will be completed. Students who have been admitted provisionally because of low grade point average must complete 12 semester hours before applying for candidacy. At least 6 of the 12 hours must be in the student's academic area of concentration. Students who have been admitted provisionally because of not submitting entrance exam scores and/or proof of an undergraduate degree must submit a copy of the scores and/or a transcript showing an earned undergraduate degree. Admission to candidacy for the Master's degree is approved by the Graduate Council when the applicant:

1. has been admitted to the graduate program and is not on provisional status,
2. has submitted an acceptable program of graduate work approved by the Graduate Council, and
3. has earned a minimum of 9 semester hours of residence credit in the graduate program with at least a 3.00 scholarship level.

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

**CLASS AND CHAPEL ATTENDANCE:** Admission to the university implies that the student will observe the regulation of the school in regard to class attendance. Regular attendance and participation in classroom activities are necessary for the attainment of a student's educational objective. Regular chapel attendance contributes to a student's moral, spiritual, and intellectual growth; however, chapel attendance is not compulsory at the graduate level. The University reserves the right to dismiss a student



whenever in its judgment the general welfare of the institution seems to require such action.

**Dropping and adding classes:** To drop a class a student must submit a properly-signed official drop card to the Registrar. For the first three days after registration, there is no charge for dropping and adding classes. After this period, the student will be charged a fee of \$5.00 to drop or add a class. The last day to add a class is Monday of the third week of the semester. Any class dropped without the official approval of the University will be marked "F." Courses dropped by Monday of the third week will not appear on the official record. If the class is dropped between the third and fourteenth weeks of the semester a grade of "W" will be assigned, and that grade will not affect the grade point average. A class may not be dropped after Friday of the fourteenth week. During summer sessions the second and fourth weeks are the deadlines.

**LATE ENROLLMENT:** Students enrolling after the day set for registration are charged a late enrollment fee of \$30.00 for Wednesday, Thursday and Friday following regular registration, \$40.00 for Monday through Wednesday of the second week, and \$50.00 thereafter. The amount of course work to be carried is reduced according to time of entrance. Enrollment is not permitted after Monday of the third week of the fall and spring semesters and after the first week of either summer term except for limited programs. Exceptions to this regulation must be approved by the instructor and the Vice President for Academic Affairs.

**EXAMINATIONS:** A sufficient number of examinations, including a final, are given during a semester to provide a satisfactory basis for grades. Students are expected to take all regularly scheduled examinations. Students who miss an examination because of extraneous circumstances will need to contact the instructor to receive permission and rescheduling of the examination. A final examination may be taken out of regular schedule only in emergency situations approved by the instructor and the Director of Graduate Studies.

**REPORTS AND GRADES:** Reports of semester and mid-semester grades are sent to the student. A report on unsatisfactory work may be sent at any time.

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

- A - Excellent
- B - Satisfactory
- C - Passing
- F - Failure
- WF - Withdrawn while failing
- WP - Withdrawn with approval and passing grade
- I - Incomplete

An "I" may be given only when the student has been unable to complete a course for reasons which in the judgment of the instructor have been unavoidable. Incompletes must be removed by the middle of the following semester. If an incomplete is not fulfilled within the specified time it automatically becomes "F." (The writing of a thesis may be spread over two or more semesters. A student must register for thesis each semester until it is accepted.)

**DEFINITION OF SEMESTER HOUR:** A semester hour of credit requires 15 hours of lecture, recitation, discussion, or equivalent, exclusive of the time devoted to final examinations.

**HONORS AND HONOR POINTS:** In order to determine the student's scholarship level, the following points are assigned for each hour of the indicated grade: A, 4; B, 3; C, 2; D, 1; and F, 0.

**TRANSFER CREDIT:** Correspondence credit or credit earned by extension will not apply toward the Master's degree. Students may transfer from other graduate schools, subject to the approval of the Director of Graduate Studies, a maximum of six semester hours of residence graduate work in which they have a "B" grade.

**GRADE POINT AVERAGE:** An average scholarship level of 3.00 is required in all course work counting toward the degree. No grade below "C" is acceptable for graduate credit and only six semester hours of "C" credit may be counted toward the degree. These must be balanced by six semester hours of "A" credit. Courses in which a grade of "C" has been received may be repeated. No course may be repeated more than once.

**TIME LIMIT:** All work for the Master of Education degree and the Master of Science in Education degree should be completed within a period of five calendar years. A student who has taken work more than five years before graduation and less than eight will be given half credit for such work. Course work taken more than eight years before graduation will not be acceptable.

**STUDENT LOAD:** To be considered a full-time student a minimum of 9 graduate hours must be taken. Full-time students may carry a maximum of 15 graduate hours during any semester and are not to exceed 6 hours during either summer term. The Graduate Council only may approve a one-hour deviation from this policy; however, 16 graduate hours per semester or 7 hours during a summer term are the absolute maximum. With the approval of the department chair involved and the Director of Graduate Studies, students may carry a maximum of 18 graduate and undergraduate hours during the fall or spring semesters but not to exceed 15 graduate hours, i.e. 15 graduate hours and 3 undergraduate hours.



**COURSE CREDIT:** Students may register in approved 500 level courses for graduate credit. They must reflect, however, a quality of work appropriate to graduate standing, and are assigned additional readings, projects, or term papers, beyond that normally expected of undergraduates. A minimum of 18 semester hours of the 35 required for the Master of Education degree and the Master of Science in Education degree must be courses numbered 600 or above. Students who register for an independent study course must show evidence through previously completed work that they are academically able to do the required work in the independent study.

**PREREQUISITES:** Eligibility to enroll in courses numbered 600 or above in any field is restricted to those who have completed a minimum of twelve semester hours of credit in the field. One may register for a 600 level course while concurrently being enrolled for the last three hours of the twelve-hour requirement for 600 level courses with the approval of the Director of Graduate Studies.

**EXAMINATIONS:** A written comprehensive examination covering the student's major and professional areas is required of all candidates for the Master's degree. Comprehensive examinations will be given on dates listed on the University calendar. An application for such examinations should be submitted by the student prior to the deadline date. Any person showing deficiency may be required to be re-examined or do additional work.

**ABILITY TO COMMUNICATE:** Since the ability to communicate is such an integral part of teaching, each candidate for the Master's degree must demonstrate satisfactory competency in written and spoken English.

**THESIS:** Students wishing to do research in partial fulfillment of the requirements for the Master's degree may be granted three to six hours of credit. Special arrangements must be made with the Director of Graduate Studies. An oral defense of the thesis is required.

**COUNSELING AND REGISTRATION:** Each student must contact the Director of Graduate Studies before registration to plan an individual graduate program. The Director of Graduate Studies must sign each trial study form before registration. In addition to the general requirements for admission the student should:

1. Direct all correspondence pertaining to counseling and programs to the Director of Graduate Studies.
2. Submit all programs of course work and all subsequent changes in programs for approval by the Director of Graduate Studies.
3. Consult frequently with the Director of Graduate Studies concerning the work progress. It is the student's responsibility to see that all requirements

are met.

4. Know that registration in the Graduate Program automatically carries with it an obligation on the part of the student to meet all the requirements of the degree as defined by the Graduate Council and regulations of the University.

**SPECIAL ADJUSTMENTS:** Any change in policy or deviation from it must be approved by the Graduate Council. The Master of Education degree requires a minimum of 35 semester hours of graduate credit for all areas of concentration EXCEPT the area of Reading which requires 38 semester hours of graduate credit. The Master of Science in Education degree requires a minimum of 35 semester hours of graduate credit. Both degree programs require courses approved for graduate study and a full year of resident work consisting of two semesters or three summer sessions or the equivalent. A minimum of 29 semester hours of graduate study must be completed on the Harding campus.

**APPLICATION FOR THE DEGREE:** When registering for the last 6 hours of work, or earlier if possible, the student will make application for the Master's degree. An appropriate form obtainable from the Registrar of the University must be submitted during the first week of the last term of work.

## Graduate curricula are available in the following:

- A. Elementary Education.
  1. Elementary Instruction.
  2. Elementary School Administration.
  3. Reading.
- B. Secondary Education.
  1. Secondary School Administration.
  2. Secondary Instruction Divisions.
    - a. English and Humanities.
    - b. Natural Sciences.
    - c. Physical Education.
    - d. Social Sciences.
    - e. Speech.
    - f. Home Economics.
    - g. Biblical Literature and Religion.

Academic fields in which graduate work is offered:

Art  
Bible, Religion, and Philosophy  
Biology  
Business  
Chemistry



Communication  
 Education ( M.S.E. Degree only)  
 English Language and Literature  
 French History  
 Home Economics  
 Mathematics  
 Health, Physical Education and Recreation  
 Music  
 Physics  
 Political Science  
 Psychology  
 Social Science  
 Sociology and Social Services  
 Spanish

**Elementary curriculum** consists of the following 35-hour program:

I. CORE (18 hours)

EdFd 643 History and Philosophy of Education (3)  
 EdFd 645 Educational Sociology (3)  
 EdFd 652 Research Methods (3)  
 EdAd 634 Elementary School Curriculum (3)  
 EdAd 666 School Law and Policy (3)  
 SpEd 515 Advanced Human Growth and Learning (3)

II. Elementary Education Courses (12 hours)

III. Academic Area (3 hours)

IV. Bible and Religion (2 hours) (A Bible course will not count as an elective toward the Master's degree)

V. A minimum of 18 hours must be selected from courses numbered 600 or above.



## ELEMENTARY ADMINISTRATION

**curriculum** consists of the following 35-hour program:

I. CORE (18 hours)

EdAd 634 Elementary School Curriculum (3)  
 EdAd 666 School Law and Policy (3)  
 EdFd 643 History and Philosophy of Education (3)  
 EdFd 645 Educational Sociology (3)  
 EdFd 652 Research Methods (3)  
 SpEd 515 Advanced Human Growth and Learning (3)

II. Elementary Administration Courses (12 hours)

EdAd 654 Supervision of Instruction (3)  
 EdAd 662 Public School Administration (3)  
 EdAd 663 Elementary School Administration (3)  
 Education Elective (3)

III. Academic Area (3 hours)

IV. Bible and Religion (2 hours) (A Bible course will not count as an elective toward the Master's degree)

V. A minimum of 18 hours must be selected from courses numbered 600 or above.

NOTE: A Master's degree in Elementary Administration does not certify one for the Elementary Principal's Certificate. Certification requires an additional 12 hours of graduate work usually including EdAd 665, SpEd 507, and EdAd 667. Those certifying for the K-12 certificate must have a total of six hours of Reading, Math 525 and Biol. 508. The National Teacher Examinations are required for certification.

**Reading curriculum** consists of the following 38-hour program:

I. CORE (18 hours)

EdAd 634 Elementary School Curriculum (3)  
 EdAd 666 School Law and Policy (3)  
 EdFd 643 History and Philosophy of Education (3)  
 EdFd 645 Educational Sociology (3)  
 EdFd 652 Research Methods (3)  
 SpEd 515 Advanced Human Growth and Learning (3)

II. Reading Courses (15 hours)

III. Bible and Religion (2 hours) (A Bible course will not count as an elective toward the Master's degree)

IV. A minimum of 18 hours must be selected from courses numbered 600 or above.



**Secondary curriculum** consists of the following 35-hour program:

- I. CORE (18 hours)
  - EdAd 635 Secondary School Curriculum (3)
  - EdAd 666 School Law and Policy (3)
  - EdFd 645 Educational Sociology (3)
  - EdFd 643 History and Philosophy of Education (3)
  - EdFd 652 Research Methods (3)
  - SpEd 515 Advanced Human Growth and Learning (3)
- II. Fields of Academic Concentration (15 hours from not more than 2 areas and not fewer than 12 hours in one area).
- III. Bible and Religion (2 hours) (A Bible course will not count as an elective toward the Master's degree)
- IV. A minimum of 18 hours must be selected from courses numbered 600 or above.

## Secondary School Administration curriculum

consists of the following 35-hour program:

- I. CORE (18 hours)
  - EdAd 635 Secondary School Curriculum (3)
  - EdAd 666 School Law and Policy (3)
  - EdFd 634 History and Philosophy of Education (3)
  - EdFd 645 Educational Sociology (3)
  - EdFd 652 Research Methods (3)
  - SpEd 515 Advanced Human Growth and Learning (3)
- II. Secondary Administration Courses (12 hours)
  - EdAd 654 Supervision of Instruction (3)
  - EdAd 662 Public School Administration (3)
  - EdAd 668 Secondary School Administration (3)
  - Education Elective (3)
- III. Academic Area (3 hours)
- IV. Bible and Religion (2 hours) (A Bible course will not count as an elective toward the Master's degree)
- V. A minimum of 18 hours must be selected from courses numbered 600 or above.

**NOTE:** A Master's degree in Secondary Administration does not certify one for the Secondary Principal's Certificate. Certification requires an additional 12 hours of graduate work usually including EdAd 665, SpEd 507, and EdAd 667. The National Teacher Examinations are required for certification.

## Master of Science in Education curriculum

consists of the following 35-hour program:

- I. Nine to twenty-four hours of education including EdFd 652, Research Methods, and EdAd 634, Elementary School Curriculum, or EdAd 635, Secondary School Curriculum.
- II. Nine to twenty-four hours of non-education courses.
- III. Two hours of Bible.
- IV. A minimum of 18 hours must be selected from courses numbered 600 or above.
- V. This degree curriculum is not to be used for initial certification.
- VI. **Students who have teacher certification or who desire to become certified to teach while pursuing the Master's degree will not be permitted to follow the Master of Science in Education degree plan.**







## Courses of Instruction

### DEPARTMENT OF ART

#### 500. WATERCOLOR. (3) Fall.

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

#### 501. SCULPTURE II. (3) Spring.

Intermediate and advanced problems in selected sculptural media. Prerequisite: 400 or consent of instructor. Fee for materials, \$59.00.

#### 502. ADVANCED PAINTING. (3) Fall.

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

#### 512. WEAVING. (3) Spring.

An introduction to basic handweaving techniques, using a variety of looms; experiments in weaving with various textile fibers; analyzing and originating patterns with emphasis upon design in color and texture. Fee for materials: \$7.25.

#### 530. AMERICAN ART HISTORY. (3) Spring. Alternates with 533.

#### 531. ANCIENT THROUGH MEDIEVAL ART HISTORY. (3) Fall. Alternates with 532.

#### 532. ART HISTORY FROM 15TH TO 19TH CENTURY. Fall. Alternates with 531.

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

#### 533. MODERN ART HISTORY. (3) Spring. Alternates with 530.

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

#### 545. PRINTMAKING I: RELIEF AND INTAGLIO. (3) Fall. Alternates with 565; offered 1993-94.

Explores the principles and techniques involved in fine arts printing by the relief and intaglio methods. Prerequisite: 200, or consent of the instructor. Fee for materials: \$56.00.

#### 560. INTRODUCTION TO COMPUTER GRAPHIC DESIGN. (3) Spring.

An introduction to the use of computer graphics hardware and software for artists, graphic designers, interior designers and others interested in using graphics for expressive or effective communication. Lecture, demonstration, and hands-on experience will present an overview of the capabilities of computer graphics hardware/software systems, the skills necessary to manipulate computer images, and the design principles leading to quality graphics. (The enrollment is limited to the available equipment.) Fee: \$32.50.

#### 565. PRINTMAKING II: SERIGRAPHY AND LITHOGRAPHY. (3) Fall. Alternates with 545; offered 1992-93.

Indepth study of the principles and techniques of serigraphy (silk screen) and Lithography. Prerequisite: 200, or consent of instructor. Fee for materials, \$50.00.

#### 567. COOPERATIVE EDUCATION.(1-3) See EdFd 567.

#### 575. VISUAL AESTHETICS. (3) Spring.

The basics of visual aesthetics through an analysis of elements and orders. Emphasis is given to the Christian ethic as a fundamental to the forming of visual judgment. Fee: \$7.25.

#### 658. THESIS. (3) See EdFd 658.



**675. INDEPENDENT STUDY.** (3) Offered on demand.

Qualified graduate students may take four times for credit, twice in same area, upon written recommendation of department chairman. Prerequisite: 12 hours of art and approval of department chairman and instructor. Fee depends on area.

**COLLEGE OF BIBLE AND RELIGION**

The field of academic concentration in Bible is permitted with 15 hours in addition to the two hours from the Textual field required of all candidates for the M.Ed. and M.S.E. The additional 15 hours should be distributed in the following manner: 9 hours from the Textual division including 502 and 510; 6 hours from the Historical or Doctrinal Division with 3 hours from 552.

**TEXTUAL DIVISION**

**502. INTRODUCTION TO THE OLD TESTAMENT.** (3) Fall.

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

**503. JEWISH HISTORY: PENTATEUCH.** (2 or 3) Fall.

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

**504. JEWISH HISTORY: JOSHUA THROUGH ESTHER.** (2 or 3) Spring.

History of the Jewish people from Joshua through Esther.

**505. EIGHTH CENTURY PROPHETS.** (2 or 3) Fall.

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

**507. PROPHETS: JEREMIAH THROUGH MALACHI.** (2 or 3) Spring.

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

**508. HEBREW POETRY AND WISDOM LITERATURE.** (2 or 3) Fall Alternate years.

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

**510. I CORINTHIANS.** (2 or 3)

**511. II CORINTHIANS.** (2 or 3)

**512. ROMANS.** (2 or 3) Fall, Spring.

Introduction to the book and exegesis of the text.

**514. SELECTED LETTERS TO CHURCHES.** (2 or 3) Spring.

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

**515. PRISON EPISTLES.** (2 or 3) Fall.

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

**516. GENERAL EPISTLES.** (2 or 3) Fall.

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

**517. GOSPEL OF JOHN.** (2 or 3) Fall, Spring.

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

**518. HEBREWS.** (2 or 3) Spring.

Introduction to the book and exegesis of the text.

**519. DANIEL AND REVELATION.** (2 or 3) Fall.

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

**567. COOPERATIVE EDUCATION.** (1-3) See EdFd 567.

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

**MINISTRY DIVISION**

**528. ADVANCED PREACHING.** (2) Fall, Spring.

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

**RELIGIOUS EDUCATION DIVISION**

**533. YOUTH MINISTRY.** (2 or 3) Spring.

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

**HISTORICAL DIVISION**

**541. HISTORY OF THE RESTORATION MOVEMENT.** (2 or 3) Spring. Alternate years.

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

**542. BIBLICAL WORLD AND ARCHAEOLOGY.** (2 or 3) Fall. Alternate years.

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

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

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

**544. HISTORY OF CHRISTIAN THOUGHT.** (2 or 3) Spring. Alternate years.

The development of Christian thought from the sub-apostolic age to the present. Special attention will be given to outstanding leaders and major doctrines.

**658. THESIS.** (3) See EdFd 658.

**DOCTRINAL DIVISION**

**552. PRINCIPLES OF BIBLICAL INTERPRETATION.** (2 or 3) Fall.

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



**554. CONTEMPORARY CHRISTIAN ETHICS.** (2 or 3) Spring. Offered on Monday evenings.

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

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

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

#### RESEARCH DIVISION

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

Individual study for the qualified student in the Religious Education Division. Prerequisite: Junior standing, minimum 3.00 G.P.A., consent of Dean.

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

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

#### HARDING UNIVERSITY IN FLORENCE

**Bible 513. PAUL.** (2 or 3) Offered only in the Harding University (Italy) curriculum.

A study of the figure of Paul in the New Testament - apostle, Roman citizen, missionary. Selected passages from Acts of Apostles and Paul's letters will be examined. Background material relating to this apostleship to the Gentiles will be examined in Rome and elsewhere. This or another course in Bible is required as part of the HUF program.

#### DEPARTMENT OF BIOLOGY

**507. ECOLOGY.** (4) Fall.

A study of the fundamental interactions that determine the distribution and abundance of organisms. Laboratory and field work are designed to familiarize the student with some basic methods of ecological research. Three lectures and three hours of laboratory or field work per week. Prerequisites: Comp 101 and Math 120 are recommended. Laboratory fee: \$13.50.

**508. SCIENCE FOR ELEMENTARY SCHOOL TEACHERS.** (3) Fall, Spring, Summer.

A practical course designed to meet the needs of the individual teacher in the elementary school. Emphasis will be placed on principles and basic facts and understandings in the biological, physical, and earth sciences that are particularly relevant to the elementary teacher. Readings, laboratory exercises, and discussions will provide in-depth study experiences. Fee: \$13.50.

**509. ANIMAL BEHAVIOR.** (3)

A study of the function, ecology, evolution, and genetics of animal behavior. Two lectures and a three-hour laboratory per week. Prerequisite: 259.

**514. TOPICS IN BIOLOGY.** (1-6)

Special topics in biology offered on an irregular basis. Topics will be determined by the needs and interests of the students and the interest and availability of instructors. Prerequisite: Junior standing and consent of the instructor.

**515. GENETICS.** (3) Fall.

Facts and principles of heredity as applied to living organisms. Molecular

genetics, microbial genetics, inheritance, variation and selection will be emphasized. Three lecture-demonstrations per week. Prerequisite: 259.

**516. HERPETOLOGY.** (3) Fall. Offered on sufficient demand.

The morphology, taxonomy, ecology, and distribution of amphibians and reptiles. Two lectures and three hours of laboratory or field work per week. Laboratory fee: \$13.50.

**520. CELLULAR PHYSIOLOGY.** (3) Spring.

An intensive study in physiology primarily at the cellular level with topics being selected from the following area; the functional organization of the cell, the cellular environment; cellular membranes, transport, irritability, and contractibility; and cellular energy and matter conversion. Three lectures. Must be taken concurrently with 521 unless credit has been or is being earned in Chemistry 325. Prerequisites: 259 and Chemistry 271 or 301.

**521. CELLULAR PHYSIOLOGY LABORATORY.** (1) Spring.

A laboratory course designed to study physiology and biochemistry at the cellular level. Must be taken concurrently with 520 unless credit has been or is being earned in Chemistry 325. Same as Chemistry 325. Fee: \$28.00.

**540. STUDIES IN BIOLOGY.** (1-3; maximum of 6)

Specialized studies in a particular field of Biological Science.

**545. FIELD STUDIES.** (1-6) Summer. Offered on sufficient demand during summer or school recess.

An extended field trip designed to acquaint the biology major with various natural ecosystems. Biogeographical report on area to be visited required prior to trip and a copy of trip journal must be submitted to instructor by each student. One week of field work required for each hour of credit. Prerequisites: 121, 122, junior standing, and consent of the instructor. All trip expenses will be prorated among the participants.

**552. PLANT TAXONOMY.** (4) Spring.

A study of the history and basic principles of plant taxonomy. Laboratory work will stress the structural characteristics of vascular plant families and the use of field manuals in identifying components of the local flora. Three lectures and three hours laboratory or field work per week. Prerequisite: 122. Laboratory fee: \$13.50.

**567. COOPERATIVE EDUCATION.** (1-3) See EdFd 567.

**658. THESIS.** (3) See EdFd 658.

**670. INDEPENDENT STUDY.** (1-8) Offered on demand.

An independent study or tutorial course for teachers in biology to fill any deficiencies in their background. Prerequisite: 12 hours of Biology and written consent of the departmental chairman.

#### SCHOOL OF BUSINESS

No course may be repeated for graduate credit that may have been taken previously for undergraduate credit.

#### ACCOUNTING

**551. ADVANCED ACCOUNTING PROBLEMS.** (3) Fall.

A comprehensive study of SEC reporting and disclosure requirements; review of current accounting issues. CPA exam preparation is emphasized. Prerequisites: 303 and instructor's approval.



**552. ACCOUNTING THEORY.** (3) Spring.

Brief survey of history of accounting and development of fundamental principles, followed by intensive study of accounting concepts and their application to assets, determination of income and measurements, and classification and reporting of equities. Emphasis placed on events in accounting profession's past in relationship to accounting profession of present and future. The current thinking of the American Institute of Certified Public Accountants, the American Accounting Association, the Securities and Exchange Commission, and the Financial Accounting Standards Board will be reviewed. Prerequisite: 303 and instructor's approval.

**555. ACCOUNTING ETHICS.** (3) Spring.

Case analysis of ethical challenges in accounting and financial reporting; study of the Code of Professional Ethics of the American Institute of Certified Public Accountants; development of Scriptural approach to solving ethical problems. Prerequisites: 435 and instructor's approval.

**560. TAX RESEARCH.** (3) Offered on sufficient demand.

A seminar designed to develop practical research and communication skills in the field of federal income taxation. Skills will be developed which will enable students to find answers to current tax issues and problems. Emphasis will be put on communicating conclusions through the use of methods similar to public accounting firms. A study of the authority of tax law will also be discussed. Prerequisites: 306, 307.

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

Individual study for qualified graduate students. Prerequisite: Consent of major advisor and Dean.

### BUSINESS

**516. BUSINESS LAW.** (3) Fall, Spring.

Survey of law of commercial paper, secured transactions, debtor/creditor rights, bankruptcy, agency, business organizations, unfair competition and anti-trust. Students seeking graduate credit must write a research paper on a topic assigned by the instructor.

**535. CHRISTIAN BUSINESS ETHICS.** (2 or 3) Fall, Spring.

A study of the ethical teachings of the Bible as applied to the field of business; including a study of Biblical passages related to business conduct, corporate ethics, individual ethics, and mutual responsibilities of employers and employees. This course is open only to junior and senior business majors, is required for graduation, and is an approved substitute for Bible the semester it is taken.

**567. COOPERATIVE EDUCATION.** (1-3) See EdFd 567.

**606. FINANCIAL MANAGEMENT.** (3) Fall.

A study of the financial framework within which business operates and of the principles governing the operation of financial markets. Financial planning and decision making will be discussed with a special emphasis on controllership responsibilities. Selected case materials and directed readings will be utilized. Prerequisite: 343.

**625. PRINCIPLES AND PHILOSOPHIES OF BUSINESS EDUCATION.** (3) Summer only.

Brief historical review of business education; current philosophies and attitudes affecting business education; curriculum development at the secondary level; the challenging role of business education in a changing business and

industrial environment.

**650. INDEPENDENT RESEARCH AND DIRECTED READINGS.** (3-6) Offered on demand.

Individual study for qualified graduate students. Prerequisite: Consent of Director of Business and Office Education.

**658. THESIS.** (3) See Education 658.

### ECONOMICS

**510. INTERMEDIATE MACROECONOMICS.** (3) Alternate years; offered 1993.

An in-depth study of general equilibrium. The overall workings of the economy studied in terms of the investment market, goods market, and money market. Forecasting is analyzed. Special attention is given to fiscal and monetary policy. Prerequisite: 201-202.

**511. INTERMEDIATE MICROECONOMICS.** (3) Alternate years.

The study of consumer theory, indifference curves, supply and demand, production theory, perfect competition, pure monopoly, oligopoly, monopolistic competition, welfare theory and other related topics. Prerequisite: 201-202.

**520. COMPARATIVE ECONOMICS SYSTEMS.** (3) Alternate years; offered Fall, 1992.

Application of macro and microeconomic analysis to evaluate traditional, command, market, mixed economics, past and present, with respect to fulfilling the economic goals of freedom, efficiency, growth, stability, justice, and security. Prerequisite: 201-202.

**540. ECONOMIC HISTORY.** (3) Alternate years; offered Spring, 1993.

A study of the evolution of economic ideas and events from colonial times, including particular emphasis on the period from the industrial revolution to the present. Location forecasting is emphasized. Prerequisite: 201-202.

**545. FREE MARKET ECONOMICS.** (3) Offered on sufficient demand.

Instruction to dramatize, simplify, and enrich the understanding of economic individualism and the concept of freedom applied to a market economy. Cost-benefit analysis is applied to evaluate the balance achieved between the private and the public sector in economic policy and performance.

**615. ECONOMIC EDUCATION FOR TEACHERS.** (3) Fall, Spring, Summer.

Basic economic concepts. The importance of economic education as a means of improving decision making in the market place and at the polls. Emphasis will be placed on how economic knowledge can be incorporated into the school curriculum.

### MANAGEMENT

**525. ORGANIZATIONAL THEORY AND STRUCTURE.** (3) Fall, Spring.

Study of organizational structures, effectiveness and efficiencies, purpose of design. Use of case study approach. Prerequisite: 368.

**530. ADMINISTRATIVE POLICY SIMULATION.** (3) Fall, Spring.

Use of a management game to integrate and utilize decision-making concepts and techniques studied in earlier courses. Students act as top managers of a company in competition with their rivals in computer-simulated industry. Emphasis on formulation of business objectives, forecasting, planning, and analytical decision-making. Prerequisite: Senior standing or consent of school dean; Mkt. 330; Bus.



343; Act. 206; Bus. 261.

**565. SMALL BUSINESS INSTITUTE.** (2 or 3) Spring and on sufficient demand.

A practical training ground for departmental majors, supplementing academic training, to furnish management assistance counseling to members of the small business community. Clients are provided by the U.S. Small Business Administration. Prerequisite: Junior or senior standing and consent of the instructor.

### MARKETING

**500. MARKETING RESEARCH.** (3) Spring.

This course provides an understanding of research methodology and the application of current research techniques in solving marketing problems. Focus is upon a research project encompassing all aspects of research from problem definition to report presentation. Prerequisite: Bus. 260.

**515. MARKETING MANAGEMENT.** (3) Fall, Spring.

The analysis, planning, implementation, control and evaluation of programs and strategies designed to serve target markets in pursuit of organizational and marketing objectives. Specific emphasis is given to philosophies, decision making skills, strategic alternatives, analyzing opportunities, planning and budgeting, and organization of the marketing function. Prerequisite: 330.

**537. RETAIL MARKETING.** (3) Spring.

The development of policies, methods, and managerial strategies to accommodate the rapidly-changing retail environment.

**598. SALES MANAGEMENT.**

An in-depth review of the administrative functions performed by the sales force director and of his/her role in the organization. Focus is placed in the responsibilities and skills associated with personnel selection, initial training and ongoing development, compensation, supervision, counseling, improving sales performance, scheduling activities of salespersons, evaluation and control of performance, and the relationship between sales and the other parts of the organization.

### PROFESSIONAL SALES

**571. SALES PSYCHOLOGY.** (3) Spring.

Psychological theories and principles applied to developing and understanding of relationship strategies by being able to identify behavioral styles of a prospect or customer and thereby effectively adjusting one's behavior to fit the prospect needs. Prerequisites: Psy. 131 and Pr.S. 336.

### DEPARTMENT OF COMMUNICATION

Those students seeking certification by the American Speech-Language-Hearing Association may take these courses as preparatory work. All graduate courses counted toward a graduate degree in Speech-Language Pathology must be completed at an ASHA accredited institution.

**ComD**

**500. SPEECH PATHOLOGY II.** (3) Fall.

An introduction of the more involved types of speech abnormalities: aphasia, cleft palate, voice and neurophysiological speech disorders. Prerequisite: 250, 291, 325, 326, ComO 290.

**501. SPEECH AND HEARING SCIENCE.** Fall. Alternates with 502; offered 1993-94.

A study of the anatomy and physiology of the vocal mechanism and acoustics of voice and sound production. Prerequisite: 250.

**502. AUDIOLOGY.** (3) Spring. Alternates with 501, offered 1992-93.

A study of the anatomy of the hearing mechanism, of the process of hearing, of tests for impaired functions of the ear, and of rehabilitation of the aurally handicapped. Supervised practice in testing hearing. Prerequisite: 250.

**504. AURAL REHABILITATION.** (3) Spring.

A study of the handicap of hearing impairment with its habilitation and rehabilitation. Attention will be given to signing, auditory training and speech reading. Speech conservation, counseling and the use of amplification will also be studied. Prerequisite: 250 and 402 or consent of instructor.

**525. ARTICULATION DISORDERS.** (3) Fall.

Identification, classification, analysis, and remediation of articulation disorders. Prerequisite: ComO 290.

**526. LANGUAGE DISORDERS.** (3) Fall.

Identification and remediation of language disorders: delayed and disordered language, environmental deprivation, mental retardation, and brain injury. Prerequisite: 215 and 250.

**550. ADVANCED INDIVIDUAL STUDY.** (3) Offered on demand.

Seminar in topics related to subject matter in communication disorders. Prerequisite: Consent of department chairman.

**650. DIRECTED READINGS.** (1-3) Offered on demand.

### MASS COMMUNICATION

**ComM**

**503. PRINT ADVERTISING.** (3) Fall.

The psychology, theory and design of advertising. Special emphasis on print, including newspaper, magazine, billboards, direct mail, brochures and specialties. Introduction to desk top publishing with hands-on work required in the MacIntosh Computer Lab. Includes the study of the buying and selling of print advertising.

**504. BROADCAST ADVERTISING.** (3) Spring.

This course places special emphasis on broadcast advertising. Includes the study of the buying and selling of broadcast advertising; understanding Arbitron, Nielsen, and other rating services; and demographic audience analysis. Major project includes writing and implementing an advertising campaign for an actual client using all appropriate media. Prerequisite for advertising majors: ComM 303.

**509. ADVANCED TELEVISION DIRECTION AND PRODUCTION.** (3) Spring.

Scripting, producing and directing features, specials, documentaries, and other advanced projects. Includes editing and production techniques. Practical knowledge is gained by working with the campus cable channel. Prerequisite: 372. Fee: \$34.00.

**510. COMMUNICATION THEORY.** (3) Spring. Offered 1992-93.

Introduction to modern theories of oral public discourse. Development of critical theory and practice.



**512. COMMUNICATION LAW.** (3) Spring.

Study of the legal and ethical responsibilities and freedoms affecting oral, print and electronic media, including first amendment principles and the legal and ethical philosophy affecting mass media.

**515. THE PRESS AND SOCIETY.** (3) Fall. Alternate years; offered 1993-94.

Background of the American press; examination of problems of editorial freedom, ethics of the press, propaganda, public opinion, and the place of the newspaper in a democratic society. The student will learn to recognize the need for and to develop and implement personal value systems and/or code of ethics.

**522. TYPOGRAPHY AND GRAPHIC ARTS.** (3) Fall, Spring.

Principles of graphic presentation and printing mechanics. Types and type families, legibility, spacing, harmony, contrast and use of color as they affect the functional design of printed matter.

**523. ARTICLE WRITING.** (3) Spring.

Extensive practice in preparation and marketing of feature articles for use in magazines and newspapers. Attention is given to selection of topics, information gathering, and writing style and organization. Prerequisite: 231.

**541-544. INTERNSHIP IN RADIO AND TELEVISION OR ADVERTISING, OR PUBLIC RELATIONS, OR PRINT JOURNALISM.** (3,3) Offered on demand.

Supervised work in a commercial or educational station. Designed to give the student an opportunity for observation and practice of fundamentals in a professional setting. Satisfactory academic performance in assigned subject areas for investigation is included. Advanced approval of the internship is to be obtained from the department chairman. An internship paper, approved by the department chairman, is required.

**550. ADVANCED INDIVIDUAL STUDY.** (3) Offered on demand.

Seminar in topics related to subject matter in mass communication. Prerequisite: Consent of department chairman.

**551. RELIGIOUS APPLICATIONS OF MEDIA.** (3) Fall. Alternate years; offered 1993-94.

Principles and practice of adapting religious messages to the electronic and print media. Prerequisite: 251.

**567. COOPERATIVE EDUCATION** (1-6) See EdFd 567.

**570. RADIO AND TELEVISION PROGRAMMING.** (3) Spring. Offered 1992-93.

Analysis of the programming function of radio and television broadcasting. Programming philosophies of commercial and public agencies will be investigated in light of governmental and industry standards. The relationship of programming to total station operation will be evaluated. Emphasis will be placed on the uses of programming and some alternatives to present practice. Prerequisite: 251 or consent of instructor.

**571. RADIO PRODUCTION AND WRITING.** (3) Fall. Alternates with 551; offered 1992-93.

The creation of programs for radio: writing, directing, acting, and effective use of equipment. Application of critical standards to the creative process. Prerequisite: 251 or consent of the instructor.

**572. TELEVISION PRODUCTION AND WRITING.** (3) Fall.

The basic elements of television production and writing. Includes "hands on" experience with cameras, audio, lighting, graphics, editing, production, and

direction. Work with the campus cable channel will be utilized. Fee: \$34.00.

**594. PUBLIC RELATIONS CASE STUDIES.** (2) Spring. Alternate years; offered 1992-93.

A study of public relations ethics, writing, media relations, and case studies. Prerequisite: 231, 280.

**596. PUBLIC RELATIONS CAMPAIGNS.** (2) Spring. Alternate years; offered 1993-94.

Planning and preparation of publicity material for various media; application of public relations techniques; study of current public relations campaigns. Prerequisite: 231, 280.

**650. DIRECTED READINGS.** (1-3) Offered on demand.

**ORAL COMMUNICATION**

**ComO**

**550. ADVANCED INDIVIDUAL STUDY.** (3) Offered on demand.

Seminar in topics related to subject matter in oral communication. Prerequisite: Consent of department chairman.

**650. DIRECTED READINGS.** (1-3) Offered on demand.

**THEATER**

**ComT**

**508. THEATER HISTORY.** (3) Fall. Alternate years; offered 1992-93.

General study of the rise and development of the western theater: Classical period to Ibsen. Reading representative plays coordinated with study and development in the physical theater, with staging and with the roles of actor and director. Prerequisite: 204 or consent of the instructor.

**509. ACTING II.** (3) Fall. Offered 1992-93.

Application of different styles of acting to period and modern plays for presentation as audition and performance pieces. Prerequisite: 190.

**510. PLAY PRODUCTION.** (3) Fall. Offered 1993-94.

Lecture-workshop in selecting, analyzing, staging, and producing plays. Includes student production of short plays. Prerequisites: 204 and 206 or consent of the instructor.

**511. LIGHTING FOR TELEVISION AND STAGE.** (3) Spring.

A study of instrument selection, lamping, electrical control, color media plotting and design layout. Includes practical aspect of hanging and operating lights for TV and stage productions. Three class periods and one hour laboratory per week.

**512. COSTUME AND SCENE DESIGN.** (3) Spring. Alternate years; offered 1993-94.

A study of form and style and the use of elements of design for the stage. Requires the execution of sketches, technical drawings, and renderings or models of costumes and set designs for varying styles and historical periods to give the student a breadth of experience in research, design, and technique. Three class periods and one hour laboratory per week.

**550. ADVANCED INDIVIDUAL STUDY.** (3) Offered on demand.

Seminar in topics related to subject matter in theater. Prerequisite: Consent of department chairman.

**567. COOPERATIVE EDUCATION.** (1-3) See EdFd 567.

**650. DIRECTED READINGS.** (1-3) Offered on demand.



## SCHOOL OF EDUCATION

### EdAd

**634. ELEMENTARY SCHOOL CURRICULUM.** (3) Spring, Summer.

General principles and techniques of selecting and organizing elementary curriculum materials and experiences.

**635. SECONDARY SCHOOL CURRICULUM.** (3) Spring, Summer.

General principles and techniques of selecting and organizing secondary curriculum materials and experiences.

**654. SUPERVISION OF INSTRUCTION.** (3) Summer.

Contribution of supervision to teaching through leadership in curriculum development, guidance, student activities, school services, and other phases of the school as a social enterprise. Special techniques of improvement of teaching and learning through utilization of the processes of democratic participation, guidance, research, social forces and trends.

**661. CHRISTIAN SCHOOL ADMINISTRATION.** (3) Summer; offered on sufficient demand.

A foundation course in the unique aspects of administering a Christian elementary and secondary school including organization, philosophy, curriculum, finance, institutional relations, and fund raising. Attention will be given to the integration of Bible into the curriculum.

**662. PUBLIC SCHOOL ADMINISTRATION.** (3) Fall.

A foundation course in the general administrative problems of the public school.

**663. ELEMENTARY SCHOOL ADMINISTRATION.** (3) Summer.

Examination and study of problems of organization and administration of the elementary school in relation to current theories and practices particularly as they relate to classroom teaching.

**664. ADMINISTRATION OF SPECIAL EDUCATION.** (3) To be taught concurrently with EdAd 663.

A foundation course dealing with general administrative problems of special education. If a student already had credit in 663, enrollment in 664 requires the approval of the Director of Graduate Studies and the Dean of the School of Education.

**665. SUPERVISED ADMINISTRATIVE INTERNSHIP.** (3) Fall, Spring.

Supervised participation in an approved administrative and supervisory setting in elementary or secondary schools. Prerequisites: Consent of Director of Graduate Studies and EdAd 662 or EdAd 663 or EdAd 668. Fee: \$61.00.

**666. SCHOOL LAW AND POLICY.** (3) Fall, Summer.

Statutes and judicial decision relating to education. Special application is made to Arkansas schools.

**667. SCHOOL PERSONNEL MANAGEMENT IN SCHOOL ADMINISTRATION.** (3) Summer.

Principles and practices in dealing with both teaching and non-teaching personnel in schools.

**668. SECONDARY SCHOOL ADMINISTRATION.** (3) Summer.

Examination and study of problems of organization and administration of the secondary school in relation to current theories and practices particularly as they relate to classroom teaching.

## EDUCATIONAL FOUNDATIONS

### EdFd

**520. EDUCATIONAL TECHNOLOGY.** (3) Fall, Spring, Summer.

The development of techniques in the use of multi-media in instruction; the production of transparencies, a study of recent developments in educational media; a study of research in the use of programmed instruction; and a review of basic audio-visual materials and machines. Fee: \$15.25.

**540. STUDIES IN EDUCATION.** (1-3) May be taken for a maximum of 6 hours.

Specialized study in a particular field of education.

**567. COOPERATIVE EDUCATION.** (1-3) Offered on demand.

Cooperative education combines formal classroom theory with practical, career related work experience. The Cooperative Education staff and a faculty member designated by the Director of Graduate Studies will supervise the work experience. The project will include both written and oral reports to assess the educational value of the work experience. The cooperative work experience cannot be used to meet graduation requirements, and it must be approved by the department chair, the Director of Graduate Studies, and the Director of Cooperative Education.

**637. INDIVIDUALIZATION OF INSTRUCTION.** (3) Summer; offered on sufficient demand.

A critical evaluation of the procedures utilized in caring for individual differences in the regular classroom.

**639. COMPARATIVE EDUCATION.** (3) Summer. Offered on sufficient demand.

**643. HISTORY AND PHILOSOPHY OF EDUCATION.** (3) Fall, Summer. Offered on sufficient demand.

Nature, history, techniques and aims of education in light of presentative educational philosophies. Attention to their influence upon present day educational thought and practice. Consideration given to the understanding of concepts and terms peculiar to the field.

**645. EDUCATIONAL SOCIOLOGY.** (3) Spring, Summer.

The study of educational theories, principles and practices in the light of current sociological concepts, with special reference to educational problems arising from our rapidly changing social, economic and political conditions. Educational needs and adaptation of training institutions in terms of educational change; ways in which selective culture factors and trends affect the process of organization of education.

**650. INDEPENDENT STUDY IN EDUCATION.** (1-6) Offered on demand.

The course will be an individual study of selected topics in education.

**652. RESEARCH METHODS.** (3) Fall, Summer.

Essential techniques in research work, selecting and defining problems, treatment and interpretation of data and research reporting. Types of research, criteria for selecting and planning a problem, preparing bibliographies, securing data for various types of research, the organization, preparation and interpretation of materials.

**658. THESIS AND RESEARCH.** (3-6) Offered on demand.

The amount of credit earned in the course will depend upon the comprehensiveness and quality of the research undertaken. Methods and techniques of research are treated and applied to the selection of a problem or topic; and the



organization and interpretation of materials appropriate thereto. (3 hours may apply as academic credit.)

## ELEMENTARY EDUCATION

### EIEd

**510. KINDERGARTEN CURRICULUM.** (3) Fall, Summer.

Study of techniques of teaching content of the kindergarten curriculum. Minimum of 6 hours of laboratory work. Prerequisite: Admission to the Teacher Education Program.

**511. KINDERGARTEN METHODS AND MATERIALS.** (3) Spring, Summer.

Objectives, materials and methods of teaching in the kindergarten. Minimum of 6 hours of laboratory work. Prerequisite: Admission to the Teacher Education Program.

**512. DEVELOPMENTAL READING I.** (3) Fall, Spring.

Teaching reading in the primary grades with an emphasis on understanding, the nature of reading, readiness skills necessary for successful reading, work recognition skills, comprehension skills, approaches to teaching reading, and diagnostic teaching of reading.

**513. DEVELOPMENTAL READING II.** (3) Fall, Spring.

Teaching reading in the upper elementary grades with an emphasis on diagnostic teaching, structural analysis, vocabulary equipment, comprehensive skills, functional reading skills, study skills, and reading in the content areas.

**615. DIAGNOSIS AND CORRECTION OF READING DIFFICULTIES.** (3) Summer.

Study of causes of reading difficulties, diagnosis of reading problems, and appropriate remedial measures. Prerequisite: Admission to the Teacher Education Program, and EIEd. 412/512.

**621. MATHEMATICS AND SCIENCE IN THE ELEMENTARY SCHOOL.** (3) Summer; offered on sufficient demand.

Objectives, content and materials, curricula, organization, methods of teaching and current problems in the field of teaching mathematics and science. One-half semester will be devoted to each area.

**622. SOCIAL STUDIES AND LANGUAGE ARTS IN THE ELEMENTARY SCHOOL.** (3) Summer; offered on sufficient demand.

Objectives, content and materials, curricula, organization, methods of teaching, and current problems in the field of teaching elementary social studies and language arts. One-half semester will be devoted to each area.

**627. METHODS OF INSTRUCTION IN ELEMENTARY SCHOOLS.** (3) Summer; offered on sufficient demand.

The problems and difficulties confronting the elementary school teacher. Current research and readings in educational literature are investigated as a basis for the improvement of instruction in classroom situations. Offered on sufficient demand.

**630. TEACHING READING IN THE PRIMARY GRADES.** (3) Summer; offered on sufficient demand.

Study of techniques and research appropriate to teaching reading in lower grades of elementary school; emphasis on inter-relationship of language arts; readiness; individual differences; word recognition skills; oral reading; evaluation

of reading materials and reading progress; new trends in teaching reading.

**631. SELECTED TOPICS IN ELEMENTARY SCIENCE METHODS.** (3) Summer; offered on sufficient demand.

Emphasizes the experimental approach to science teaching in the elementary grades.

**633. CLINICAL READING.** (3) Summer; offered on demand.

Laboratory practice in reading improvement.

**648. TEACHING READING IN THE CONTENT AREA.** (3) Spring.

Designed for elementary teachers. Course is designed to present effective strategies for teaching reading. Special emphasis will be given to enhance instruction in the areas of comprehension, study skills and content subjects.

## SECONDARY EDUCATION

### SeEd

**516. THE MIDDLE SCHOOL.** (3) Offered on sufficient demand.

A practical and contemporary study of methods and materials of teaching in the Middle School along with a study of the organization and the development of the Middle School curriculum. An exploration of future trends in subject-field content at the Middle School level will be explored through discussion, problem solving and projects.

**636. IMPROVEMENT OF INSTRUCTION IN THE SECONDARY SCHOOL.** (3) Summer; offered on sufficient demand.

Designed to give practical assistance to the high school teacher; a critical study of current practices and trends in high school teaching.

## SPECIAL EDUCATION

### SpEd

**500. MEASUREMENT AND EVALUATION OF THE EXCEPTIONAL CHILD.** (3) Fall.

Special diagnostic procedures for children who are exceptional, with emphasis on the interpretation and application in the education process.

**503. PSYCHOLOGY OF THE EXCEPTIONAL CHILD.** (3) Fall, Spring, Intersession.

Introduction to Special Education —Emphasis on definition, diagnosis, laws and philosophy of teaching children with consideration given to the intra and inter differences in patterns of learning. Prerequisite: EdFd 203 or Psy. 240.

**507. PRINCIPLES OF BEHAVIORAL MANAGEMENT.** (3) Fall, Summer.

A study of behavioral management principles with special emphasis on behavior modification and with attention given to the planning of individual educational programs for each child. Prerequisite: Admission to the Teacher Education Program.

**508. NATURE AND NEEDS OF THE MILDLY HANDICAPPED.** (3) Fall.

Problems encountered by the child who is mildly handicapped and a study of his specific needs in terms of educational, social and psychological development. Prerequisite: Admission to the Teacher Education Program.

**509. METHODS OF TEACHING MILDLY HANDICAPPED.** (3) Spring.

Disorders of auditory and written language, reading, arithmetic, and non-verbal disorders of learning with emphasis placed on the educational psychologi-



cal needs of the mildly handicapped student. Prerequisite: Admission to the Teacher Education Program.

**514. PSYCHOLOGY OF THE EMOTIONALLY DISTURBED CHILD.** (3) Spring.

Acquaints students with a variety of diagnostic and theoretical approaches to children who are emotionally disturbed and behaviorally disordered. The course is organized so that all the major theoretical approaches are reviewed, compared and contrasted. This course is designed to give the necessary practical tools for implementation of a program for children in conflict. Prerequisite: Admission to Teacher Education Program.

**515. ADVANCED HUMAN GROWTH AND LEARNING.** (3) Spring, Summer.

Advanced study of the physical, mental, emotional, social, and psychological development of the human individual from conception through the young adult. Special attention is given to the application of the principles of the major theories of development. Six hours of observation are required. Prerequisite: EdFd 203.

**605. MAINSTREAMING THE SPECIAL EDUCATION CHILD.** (3) Summer; offered on sufficient demand.

Methods and procedures for teaching the special education child in the regular classroom.

**640. READING AND THE LEARNING DISABLED STUDENT.** (3) Summer.

A study of the nature and needs of learning disabled students with a reading disability. Also includes an understanding of the application of assessment and instructional procedures.

**670. INTRODUCTION TO GIFTED AND TALENTED EDUCATION.** (3) Summer; offered on sufficient demand.

A study of the nature and needs of the gifted and talented.

**671. METHODS AND MATERIALS OF TEACHING THE GIFTED AND TALENTED.** (3) Summer; offered on sufficient demand.

A study of the methods and materials used in teaching the gifted and talented.

**672. CURRICULUM FOR GIFTED AND TALENTED.** (3) Summer; offered on sufficient demand.

An advanced workshop in gifted and talented education designed to assist leaders in gifted education in applying studies in basic disciplines to the development and implementation of appropriate curriculum for the gifted -includes emphasis on application of diverse teaching models and the use of a variety of program alternatives and skills in designing, managing, and evaluating program alternatives in gifted and talented education.

**675. CREATIVITY.** (3) Summer; offered on sufficient demand.

A guided sequence of exercises and experiences leading to increased personal creative behavior with emphasis on methods and materials for nurturing creativity in students of all ages.

**679. INTERNSHIP IN TALENTED AND GIFTED EDUCATION.** (3) Summer; offered on sufficient demand.

Provides graduate students supervised opportunities to apply knowledge and skills in a professional setting with talented and gifted students. Prerequisite: A minimum of one course in talented and gifted education or permission of the Dean of the School of Education.

## DEPARTMENT OF ENGLISH LANGUAGE AND LITERATURE

**500. RESTORATION AND NEO-CLASSIC LITERATURE.** (3) Summer. Offered on demand.

With major attention given to Dryden, Pope, and Swift, this course provides an opportunity for an in-depth study of the period.

**502. BRITISH ROMANTIC POETRY.** (3) Summer. Offered on demand.

This course examines in depth the poetry of Blake, Wordsworth, Coleridge, Keats, Shelley, and Byron, with appropriate attention to the scholarship devoted to the period.

**504. VICTORIAN POETRY.** (3) Summer. Offered on demand.

This course gives major emphasis to Tennyson, Browning, and Arnold but notes also lesser figures of the Victorian period.

**508. AMERICAN SHORT STORY.** (3) Fall. Alternates with 511.

Focusing upon a particular genre, this course provides for students an opportunity to increase their ability to read carefully and to explicate profitably.

**509. BRITISH SHORT FICTION.** (3) Spring. Alternates with 518.

Short stories and/or novellas of British authors will be examined in detail.

**511. AMERICAN NOVEL.** (3) Fall. Alternates with 508.

This course examines the development of the American novel from its early instances to the present time. This course may vary from year to year and may be repeated with consent of the department chairman.

**515. MYTHOLOGY, FOLK TALES, AND ETHNIC LITERATURE.** (3) Summer. Offered on demand.

This course is designed primarily for teachers in secondary schools. The course will include units on folklore, mythology and minority literature.

**518. BRITISH NOVEL.** (3) Spring. Alternates with 509.

This course examines the development of the British novel from its early instances to the present time. This course may vary from year to year and may be repeated with consent of the department chairman.

**520. LITERATURE FOR ADOLESCENTS.** (3) Fall.

This course examines individual titles and characteristics of young adult literature. Included will be an overview of the history of young adult literature, an analysis of individual titles, an extensive annotated bibliography, and methods for developing materials for use in grades 6-12.

**522. NATURE AND HISTORY OF LANGUAGE.** (3) Spring.

This course presents the principles of linguistic analysis, the history of language study and the development of English, functions and varieties of language in society, and the establishment of standards.

**560. AMERICAN POETRY.** Summer. Offered on demand.

This course gives the interested student an opportunity to study, in detail, American poetry. Poets studied may vary from year to year, and the course may be repeated with the consent of the department chairman.

**567. COOPERATIVE EDUCATION.** (1-3) See EdFd 567.

**570. OLD AND MIDDLE ENGLISH LITERATURE.** (3) Fall. Alternates with 580.

With emphasis on Chaucer, this course is designed to give the interested student the opportunity to study this period of British literature in depth.



**571. SHAKESPEARE.** (3) Spring.

Shakespeare's development as a dramatic artist and as an interpreter of humanity is outlined in this course. It gives attention to the resourcefulness of his language and to the penetration of his thought.

**580. RENAISSANCE AND SEVENTEENTH CENTURY BRITISH LITERATURE.** (3) Fall. Alternates with 570.

Excluding Shakespeare, this course gives attention to major British writers of the period, including sonneteers, dramatists, Spenser, Donne, and Milton.

**603. GRADUATE STUDY IN LITERATURE OR COMPOSITION.** (3) Offered on demand.

This course offers specialized study of the literature of a particular author of field, or advanced study in composition. It may be repeated with consent of the department chairman. Prerequisite: Consent of the department chairman. Qualified graduate students may take this course three times in different areas.

**630. INDEPENDENT STUDY IN LITERATURE.** (1-3) Offered on demand.

When in the judgment of the chairman of the English Department and of the appropriate member of the English faculty a graduate student majoring in English can advantageously embark upon an independent study project. The content of the course may be adapted to the student's specific needs.

**658. THESIS.** (3) See EdFd658.

**DEPARTMENT OF FOREIGN LANGUAGES  
AND INTERNATIONAL STUDIES**

**INTERNATIONAL STUDIES**

**510. INDEPENDENT STUDY ABROAD.** (3-12)

Guided study abroad in an approved foreign institution of higher learning. Before the student enrolls for the course, the International Studies chairman must approve: the institution, living arrangements, program of study, the specific courses in which credit at Harding University will be granted and the number of credit hours to be received. The prescribed program must be completed and an evaluation of the student's performance provided by the foreign institution. Prerequisite: Open only to students with sophomore to graduate standing who have completed the intermediate level of language study in the language of the host country or give proof of equal proficiency.

**660. SEMINAR IN INTERNATIONAL STUDIES.** (3) Spring. Offered on sufficient demand.

Indepth research into the culture and major concerns of the student's selected world area. Prerequisite: senior standing with a major in International Studies or graduate standing.

**FRENCH**

**503. ADVANCED FRENCH COMPOSITION.** (3) Fall. Alternates with 302.

Techniques of writing in French. Imitation of selected French texts illustrating various styles. Exercises in creative writing. Prerequisite: 202 or equivalent.

**504. ADVANCED FRENCH.** (3) Spring. Alternates with 302.

A practical application of advanced grammar in group discussions, reports and translations. Literary analysis of passages from representative works. Prerequisite: 202 or equivalent.

**532. FRENCH CLASSICISM.** (3) Spring. Alternates with 534. Offered 1992-93.

A study of Cornille, Racine, Moliere, Pascal, LaFontaine, and others. Prerequisite: Any 300 course or equivalent.

**534. LITERATURE OF THE 19TH CENTURY.** (3) Spring. Alternates with 532.

A study of representative writers of the 19th Century and the important literary movements. Prerequisite: Any 300 course or equivalent.

**535. LITERATURE OF THE 20TH CENTURY.** (3) Fall. Alternates with 533. Offered 1992-93.

A study of outstanding writers of the 20th Century and of current literary trends in France. Prerequisite: Any 300 course or equivalent.

**567. COOPERATIVE EDUCATION.** (1-3) See EdFd 567.

**605. CONTEMPORARY FRENCH CIVILIZATION.** (3) Offered in the summer on sufficient demand.

A study of the mores, customs, government and important personalities of present day France. Prerequisite: 202 or equivalent.

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

Individual study for qualified graduate students. Prerequisite: Consent of the instructor and department chairman.

**SPANISH**

**503. ADVANCED COMPOSITION AND GRAMMAR REVIEW.** (3) Fall. Alternates with 301.

Grammatical analysis, translation to Spanish and free composition to develop fluency and correctness in written Spanish. Prerequisite: 202 or equivalent.

**504. ADVANCED SPANISH.** (3) Spring. Alternates with 302. Offered 1991-92.

A practical application of Spanish with advanced conversation, literary analysis, and phonetic review. Prerequisite: 202 or equivalent.

**511. SURVEY OF LATIN AMERICAN LITERATURE.** (3) Fall. Alternates with 315.

A survey of major Latin American authors and their works. Prerequisite: Any 300 level course or equivalent.

**515. LATIN AMERICAN CIVILIZATION.** (3) Fall. Alternates with 531. Offered 1992-93.

A cultural survey of the Latin American nations with emphasis on the contemporary period.

**535. LITERATURE OF THE 20TH CENTURY.** (3) Spring. Alternates with 536.

The essay and the novel, with historical emphasis on the Generation of 1898 and critical emphasis on the prose of the 20th century. Prerequisite: Any 300 course or equivalent.

**536. 19TH AND 20TH CENTURY SPANISH DRAMA AND POETRY.** (3) Spring. Alternates with 535. Offered 1992-93.

A study of representative writers of the period. Prerequisite: Any 300 course or equivalent.

**567. COOPERATIVE EDUCATION.** (1-3) See EdFd 567.

**625. REGIONAL LANGUAGE AND CULTURE.** (3) Offered in the summer, upon sufficient demand, in a Spanish-speaking country.

Graduate course offered in conjunction with 325. Prerequisite: Consent of the instructor and department chairman.



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

Individual study for qualified graduate students. Prerequisite: Consent of the instructor and department chairman.

## DEPARTMENT OF HEALTH, PHYSICAL EDUCATION AND RECREATION

Students who are emphasizing physical education in their Master's program are required to take Physical Education 601, 603, 606, and 607.

### HEALTH EDUCATION

**508. ORGANIZATION AND ADMINISTRATION OF THE SCHOOL HEALTH PROGRAM.** (3) Fall.

A study of the organizations, administration and supervision of the total school health program including health services, health instruction and healthful school environment. Consideration will be given to staff and program assessment, enlisting public support and implementation of new ideas.

**510. SCHOOL HEALTH INSTRUCTION.** (3) Spring.

A study of health interests and needs of the elementary and secondary school child, curriculum development, and instructional methods and materials for health education.

**511. DRIVER AND TRAFFIC SAFETY EDUCATION I.** (3) Fall, Summer.

This course is designed to prepare teachers to organize and teach driver education and traffic safety programs in secondary schools.

**512. DRIVER AND TRAFFIC SAFETY EDUCATION II.** (3) Spring, Summer.

An advanced course in driver and safety education designed to provide prospective teachers with dual control simulation and multicar laboratory teaching experience. The course includes teaching beginners, developing programmed lessons, and a survey of methods and materials. Prerequisite: 511.

### PHYSICAL EDUCATION

**501. KINESIOLOGY AND BIOMECHANICS.** (3) Fall.

A study of major muscle groups and their relationship to various body movements. Consideration is also given to various activities which contribute to the functional development of major muscle groups. Prerequisite: Biology 275 or consent of the instructor.

**502. PREVENTION AND TREATMENT OF ATHLETIC INJURIES.** (3) Fall.

A study of the prevention of athletic injuries and the different types of therapy in the treatment of injuries common to athletics and physical education. Fee: \$14.00.

**504. MEASUREMENT AND EVALUATION IN PHYSICAL EDUCATION.** (3) Fall.

Acquaints students with the various testing devices in physical education and gives practice in the use of these devices.

**505. ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCA-**

**TION (K-12).** (3) Fall, Summer.

A study of the principles of organization and administration of physical education and athletic programs. Consideration will be given to personnel, schedules, equipment and facilities, records, budget and finance, legal aspects, publicity and public relations, athletic association, eligibility regulations, contracts and officials.

**515. ADAPTED PHYSICAL EDUCATION AND RECREATION ACTIVITIES.** (3) Spring.

Methods, techniques, screening and special programs for physical education and recreation activity for the atypical student. Required of all special education majors.

**567. COOPERATIVE EDUCATION.** (1-3) See EdFd 567.

**530. METHODS AND MATERIALS IN PHYSICAL EDUCATION FOR THE ELEMENTARY SCHOOL.** (3) Fall, Spring.

A study of methods as they apply to the total program and to the organization, instruction, and selection of activities at the class level.

**601. DIRECTED READING IN PHYSICAL EDUCATION.** (3) Offered on demand.

Independent study of selected topics to fill any deficiencies or to strengthen the student's background in health education and recreation.

**602. DIRECTED READING IN HEALTH EDUCATION AND RECREATION.** (3) Offered on demand.

Independent study of selected topics to fill any deficiencies or to strengthen the student's background in health education and recreation.

**603. RESEARCH METHODS IN PHYSICAL EDUCATION, HEALTH EDUCATION, AND RECREATION.** (3) Summer.

The application of research methods and techniques to problems in physical education, health education and recreation.

**604. RESEARCH.** (1-6) Offered on demand.

Supervised research in health, physical education, or recreation. A research paper will be required. The study must be approved by the chairman of the department and the staff member who will supervise the research. Prerequisite: 603.

**606. MOTOR LEARNING AND PERFORMANCE.** (3) Summer.

Advanced psychological and physiological factors related to the development of motor skills; emphasis on the teacher's role in facilitating learning. Includes review and analysis of appropriate research.

**607. ADVANCED PHYSIOLOGY OF EXERCISE.** (3) Summer.

Advanced theory and application of human physiology concepts. Includes physiological assessment techniques and practical experience in the Exercise Physiology Laboratory.

**658. THESIS.** (3) See EdFd. 658.

## DEPARTMENT OF HISTORY AND SOCIAL SCIENCE

### GEOGRAPHY

**500. WORLD GEOGRAPHY.** (3) Fall.

A survey of the major geocultural areas of the world, focusing on both the physical traits (land forms, climate, natural resources, etc.) and the land-man



relationships in that area (land uses, population distribution, etc.). Must have at least 3 hours of undergraduate geography credit as prerequisite for taking for graduate credit.

**501. GEOGRAPHY OF THE UNITED STATES.** (3) Spring.

Emphasis on development of urban centers and economic and social factors. Must have at least 3 hours of undergraduate geography credit as prerequisite for taking for graduate credit.

### HISTORY

**500. EMERGENCE OF MODERN UNITED STATES, 1877-1920.** (3) Fall. Alternate years; offered 1992-93.

History of the United States between Reconstruction and World War I.

**502. DIPLOMATIC HISTORY OF THE UNITED STATES.** (3) Fall.

A survey of current problems involving a study of courses of action. Position of the United States in the making of foreign policy and procedures of American diplomacy.

**505. ABSOLUTISM, CONSTITUTIONALISM AND REVOLUTION: EUROPE, 1648-1815.** (3) Fall. Alternate years; offered 1992-93.

Changes that came in political, social and economic institutions during the period.

**510. RECENT UNITED STATE HISTORY, 1920 TO THE PRESENT.** (3) Fall. Alternate years; offered 1992-93.

Economic, political and social history since 1920, with emphasis on the historiography of the period.

**511. HISTORY AND CULTURE OF THE FAR EAST.** (3) Fall.

A study of China and Japan, including indigenous origins, the impact of the West through the nineteenth century, and problems of development during the last fifty years.

**514. HISTORY OF THE SOUTH.** (3) Fall. Alternates years.

Social, political, and economic development of both the old and the new South. Special attention given to the forces that made the South unique.

**515. EMERGENCE OF MODERN EUROPE, 1815 TO 1920.** (3) Spring. Alternate years.

The creation of modern nation states and the Industrial Revolution in Europe.

**525. RECENT EUROPEAN HISTORY, 1920 TO THE PRESENT.** (3) Spring. Alternate years; offered 1992-93.

Decline of imperialism, World War II, Cold War and breakup of the Eastern Communist Bloc.

**536. ARKANSAS HISTORY.** (3) Spring. Alternate years; offered 1991-92.

Required of all teachers certifying in the social studies.

**566. HISTORY OF THE FRONTIER.** (3) Fall. Alternate years.

Settlement of the West, the laws and policies related to its development, and the effects of the frontier on national life.

**567. COOPERATIVE EDUCATION.** (1-3) See EdFd 657.

**570. COLONIAL AMERICA.** (3) Spring. Alternate years.

The history of America from its discovery to 1783.

**575. ANCIENT CIVILIZATIONS.** (3) Spring. Alternate years.

A study of Near Eastern and European civilizations in antiquity.

**580. EARLY MODERN AMERICA, 1783-1850.** (3) Fall. Alternate years.

History of the United States from Independence to 1850.

**585. MEDIEVAL EUROPE.** (3) Spring. Alternate years; offered 1992-93.

Political, social and economic institutions of Europe between 476 and 1400.

**590. ERA OF THE CIVIL WAR, 1850-1877.** (3) Spring. Alternate years.

Events leading to the Civil War in America, the war and Reconstruction.

**595. RENAISSANCE AND REFORMATION, 1400 to 1648.** (3) Fall. Alternate years.

Artistic and cultural contributions of the West and the Protestant revolt.

**658. THESIS.** (3) See EdFd. 658.

**680. SPECIAL TOPICS IN AMERICAN HISTORY.** (3) Summer.

A different topic of interest in American history will be taught each time the course is offered, such as "The American Indian," "Utopian Communities," "Sports in History," etc.

**690. SPECIAL TOPICS IN EUROPEAN HISTORY.** (3) Summer.

A different topic in European history will be taught each time the course is offered, such as "World War II," "Revolutions," "Cities of Europe," etc.

### POLITICAL SCIENCE

**500. COMPARATIVE POLITICAL SYSTEMS.** (3) Fall.

An analysis of the political processes and institutions of the political systems of major developed nation-states, utilizing contemporary methods in the field of comparative politics.

**504. PRINCIPLES OF PUBLIC ADMINISTRATION.** (3) Fall.

Political influences on management principles of the public bureaucracy.

**510. POLITICS AMONG UNDEVELOPED NATIONS.** (3) Fall.

An examination of the political processes and economic development of the underdeveloped nations of Africa, Asia, Latin and South America.

**525. AMERICAN POLITICAL THOUGHT.** (3) Spring. Alternate years, 1992-93.

A study of the ideas and concepts of government which have influenced the development of political systems in the modern world.

**535. CONSTITUTIONAL LAW.** (3) Spring.

A study of the constitutional background and some of the most important Supreme Court decisions which have marked the direction of American government.

**536. ADMINISTRATIVE LAW.** (3) Spring.

The nature, formulation implementation, and adjudication of administrative law with attention to the powers and limitations of regulatory agencies.

**551. INTERNATIONAL LAW AND DIPLOMACY.** (3) Spring.

Alternate years; offered 1992-93. An analysis of major cases in international law which have helped shape the present international system and their relationship to diplomacy between nation-states.

**553. ARKANSAS AND STATE AND LOCAL GOVERNMENT.** (3) Spring.

The study of the Arkansas political system and the political systems of other state and local governments in the United States. (Required of all teachers certifying in the Social Sciences.)



**554. AMERICAN POLITICAL INSTITUTIONS.** (3) Spring. Alternate years; offered 1993-94.

Analysis of the Constitution and of the decision-making processes in the major federal government institutions, including the Congress, Presidency, Courts, political parties, and elections.

**567. COOPERATIVE EDUCATION.** (1-3) See EdFd 567.

**650. PROBLEMS IN POLITICAL SCIENCE.** (1-3) Offered on demand.

Open to advanced students wishing to concentrate, through research and special supervised reading, upon a particular problem. Emphasis on introduction to graduate work in the field of political science.

**658. THESIS.** (3) See EdFd. 658.

#### SOCIAL SCIENCE

**501. GLOBAL ISSUES.** (3) Fall.

A study of basic social, economic, and political issues of major concern in the international community. Prerequisite: Pol. Sci. 202.

**567. COOPERATIVE EDUCATION.** (1-3) See EdFd 567.

**550. SEMINAR IN THE SOCIAL SCIENCES.** (2) Spring.

Synthesizes the various disciplines in the social science field. Includes course content and bibliography, historiography, scientific research, and critical analysis.

**603. DIRECTED READING IN THE SOCIAL SCIENCES.** (1-3)

Offered on demand. Individual study and research on selected topics of interest to broaden and strengthen the student's background in the social sciences. It may be repeated with the consent of the department chairman. Prerequisite: Consent of the department chairman. Qualified students may take this course three times in different areas.

**658. THESIS.** (3) See EdFd. 658.

#### DEPARTMENT OF HOME ECONOMICS

**505. HOME TECHNOLOGY.** (3) Spring.

The selection and management of residential equipment, lighting, and heating and cooling systems. Includes a study of the basic concepts of electricity, gas, electronics and refrigeration as they relate to the operation of equipment and the design of lighting and indoor climate control systems.

**506. HOME FURNISHINGS.** (3) Fall. Alternates with 507. Offered 1992-93.

A study of the components of interior design: floor coverings, wall and window treatments, furniture and accessories. An introduction to home furnishings merchandising with field trips to markets and presentations by company representatives. Laboratory experiences in designing, arranging and refurbishing furnishings and accessories.

**507. HOUSING.** (3) Fall. Alternates with 506. Offered 1993-94.

Physical aspects of planning a house. History of housing. Social aspects such as zoning, government regulations, etc. Includes a study of landscaping. Laboratory experiences include planning a house, planning a landscaping design, and field trips to observe historical homes. Two hours lecture and three hours laboratory.

**515. METHODS OF NUTRITION EDUCATION.** (3) Spring. Alternates with 534. Offered in 1992-93.

A study of the principles of nutrition education and effective methods of teaching nutrition in a variety of community and health care settings. Includes the processes of assessing educational needs, developing educational goals and objectives, implementing educational plans, and evaluation educational outcomes. Prerequisite: 331.

**520. NUTRITION IN DISEASE.** (3) Spring. Alternates with 531; offered 1992-93.

Biochemical and physiological conditions which require modification of the normal diet as a part of the therapeutic management of the patient. Role of dietitian as a member of the health care system is included. Prerequisites: 102, 201, 331, and Chem. 114-115.

**525. ADMINISTRATION OF EARLY CHILDHOOD PROGRAMS.** (3) Fall. Alternate years. Offered 1992-93.

Consideration of housing and equipment, financing, staff, program, records, health protection, school planning and organization. Prerequisite: Three hours in Child Development.

**530. PARENTING.** (3) Fall. Alternate years; offered 1992-93.

An examination of the major objectives and the underlying guidance principles in parent-child relations and evaluation of parent-guidance endeavors.

**531. ADVANCED NUTRITION.** (3) Spring. Alternates with 520. Offered 1993-94.

Aims to extend the student's knowledge of the science of nutrition and metabolism and the recent advances in the field of clinical nutrition. Three lectures per week. Prerequisites: 331 and Chemistry 324.

**533. ADVANCED FOODS.** (3) Fall. Alternates with 545. Offered 1992-93.

Presentation of the important components of food materials and of the physical and chemical systems characteristic of food products. The experimental approach to applying these principles of major food problems and evaluation of new commercial products are emphasized. Two hours lecture and three hours laboratory per week. Prerequisites: 102; Chemistry 271 or 301.

**534. FOODSERVICE PURCHASING.** (2) Spring. Alternates with 515; offered in 1993-94.

A study of the principles of procurement in foodservice systems. Included is a study of food and equipment specifications, receiving, maintenance, and financial management.

**535. QUANTITY FOOD PRODUCTION.** (3) Spring. Alternates with 536; offered 1993-94.

A study of foodservice systems including the principles of menu planning, quality assurance, volume food production, distribution, and service. Two hours lecture and three hours laboratory per week.

**536. FOODSERVICE SYSTEMS MANAGEMENT.** (3) Spring. Alternates with 535; offered 1992-93.

A study of the organization and management of foodservice systems. Principles of planning, organizing, human resource management, and fiscal resource management are included. Two hours lecture and three hours laboratory per week.

**545. FOOD AND NUTRITION SERVICES MERCHANDISING.** (3) Fall. Alternates with 533; offered 1993-94.



Fundamentals of merchandising and promoting food and nutrition services. Includes a study of market research, development of products and services, and use of a variety of techniques for promotion of products and services.

**560. DIETETICS SEMINAR.** (1) Spring.

A study of the laws, regulations, and standards affecting dietetic practice. Includes a study of professional development, roles, ethic, and performance, in nutrition practice. Prerequisite: Consent of the Dietetics Program Director.

**567. COOPERATIVE EDUCATION.** (1-3) See EdFd 567.

**570. NUTRITION IN THE LIFE CYCLE.** (3) Fall. Alternates with 580; offered 1992-93.

A study of the nutrient needs for various stages of the life cycle. Techniques of assessment and nutritional intervention strategies at each life cycle stage are stressed. Prerequisite or co-requisite: 331.

**580. COMMUNITY NUTRITION.** (3) Fall. Alternates with 570; offered 1993-94.

A study of the fundamentals of nutrition care delivery in community programs. Includes principles of assessment, planning, implementing, intervention, and evaluation of nutrition services in the community. Prerequisite or co-requisite: 331.

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

May be taken three times in different areas by qualified graduate students. Prerequisite: 12 hours of Home Economics and written approval of the department chairman.

**658. THESIS.** (3) See EdFd. 658.

## DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

### COMPUTER SCIENCE

**515. WORKSHOP IN MICROCOMPUTERS IN EDUCATION, GRADES K-12.** (3) Summer.

Various applications of the microcomputer will be covered for grades K-12. Techniques for evaluating software; introduction to BASIC programming. No prior experience needed.

**516. WORKSHOP: TOPICS IN MICROCOMPUTERS.** (3) Summer.

Word processing, listing and other special purpose microcomputer software and applications. Some previous experience and a basic operating knowledge of microcomputers is required.

**550. MICROCOMPUTER INTERFACING.** (3) Summer.

An introduction to the techniques of microcomputer interfacing, analog to digital conversion, and computer electronics. Prerequisite: Consent of the instructor.

**650. INDEPENDENT STUDY.** (3) Offered on demand.

Individual study and work on selected computer topics of interest to broaden and strengthen the student's background in computer applications. Prerequisite: Consent of the department chairman. Qualified graduate students may take this course three times in different areas.

## MATHEMATICS

**505. HISTORY OF MATHEMATICS.** (3) Fall. Alternate years.

A study of the development of mathematics from its pre-Hellenistic origins through modern mathematics, with an emphasis given to mathematics content within its historical perspective. Prerequisite: 275.

**506. FOUNDATIONS OF GEOMETRY.** (3) Fall. Alternate years.

An examination of Euclidean geometry with an introduction to non-Euclidean geometry. Prerequisite: 275.

**513. LINEAR ALGEBRA.** (3) Fall.

Linear equations, matrices and vector spaces, linear transformations, determinants, rational and Jordan forms, inner product spaces and bilinear forms. Prerequisite: 275.

**518. PROBABILITY.** (3) Spring.

Probability as a mathematical system, random variables and their distributions, limit theorems, and topics in statistical inference. Prerequisite: 251 and 275.

**519. PROBABILITY AND STATISTICS.** (3) Intersession.

Estimation, decision theory and testing hypotheses, relationships in a set of random variables, linear models, and design. Prerequisite: 518.

**523. MODERN ALGEBRA.** (3) Fall.

Brief development of the complex number system beginning with the natural numbers. A study of abstract algebraic systems including groups, rings, fields and integral domains. Prerequisite: 275.

**525. MATHEMATICS FOR THE ELEMENTARY TEACHER.** (3) Offered on sufficient demand.

A study of geometry, probability, and statistics from the elementary school perspective followed by a unit on microcomputers.

**531. INTERMEDIATE ANALYSIS I.** (3) Spring. Alternate years.

Real number systems, functions, sequences, additional topics in limits, continuity, differentiation, integration, infinite and power series, and uniform convergences. Prerequisite: 275 and 301.

**532. ADVANCED CALCULUS.** (3) Offered on sufficient demand.

Partial differentiation, applications of geometry to space, maxima and minima, indeterminate forms, elliptic integrals, Green's theorem, Lagrange's multipliers and transformation of multiple integrals. Prerequisites: 331 or 301 and consent of instructor.

**540. STUDIES IN MATHEMATICS, K-12.** (1-3; maximum of 6)

Specialized studies in a particular field of Mathematical Science.

**551. DIFFERENTIAL EQUATIONS.** (3) Spring. Alternate years.

Ordinary differential equations with applications. Prerequisite: 301. Physics 211-212 highly recommended.

**567. COOPERATIVE EDUCATION.** (1-3) See EdFd 567.

**600. ADVANCED TOPICS IN MATHEMATICS.** (3) Spring. Alternate years; offered 1990-91. (May be repeated for credit.)

Advanced topics in mathematics from such areas as number theory, algebra, graph theory, topology, statistics, and real or complex analysis. Prerequisite: 275 and the consent of the instructor.

**623. WORKSHOP IN TEACHING AIDS FOR MATHEMATICS (K-12).** (3) Summer only. Offered on sufficient demand.



A course to acquaint mathematics teachers with the wide range of teaching aids available for grades K-12. Teaching aids considered include manipulations, activities, games and visuals.

**650. DIRECTED READING.** (1-3) Offered on demand.

This course offers specialized study of an area of Mathematics. Prerequisite: Consent of the department chairman. Qualified graduate students may take this course three times in different areas.

**658. THESIS.** (3) See EdFd 658.

### DEPARTMENT OF MUSIC

**504. PIANO PEDAGOGY AND REPERTORY.** (3) Offered on sufficient demand.

A study of teaching techniques and survey of standard literature for the piano.

**505. STRING PEDAGOGY AND REPERTORY.** (3) Fall. Offered on sufficient demand.

A study of teaching techniques and survey of standard literature for strings.

**506. VOCAL PEDAGOGY AND REPERTORY.** (2) Spring.

A study of teaching techniques and survey of standard literature for the voice.

**533-534. HISTORY OF MUSIC.** (3,3) Fall, Spring.

The development of Western music from its beginnings in the Greek and Jewish cultures to its manifestations in the present century.

**567. COOPERATIVE EDUCATION.** (1-3) See EdFd 567.

**602. SPECIAL PROBLEMS IN MUSIC EDUCATION.** (3) Offered on sufficient demand.

Problems of musical interest to the student which lie outside the normal curriculum and which are deemed particularly applicable to his individual aims. Qualified graduate students may take three times in different areas upon written recommendation of department chairman. Prerequisite: Consent of department chairman and instructor.

**650. INDEPENDENT STUDY.** (1-3) Offered on demand. May be repeated 3 times.

Independent study on selected topics in music for music majors who are planning to do graduate study. Prerequisite: Consent of the instructor and department chairman.

**658. THESIS.** (3) See EdFd 658.

### DEPARTMENT OF PHYSICAL SCIENCE

#### CHEMISTRY

**505. RESEARCH TECHNIQUES.** (1 or 2) Fall, Spring.

An introduction to research methodology and techniques, inorganic, organic, analytical, radioisotope, physical, or biochemical research projects may be chosen according to student goals and staff interests. A minimum of three hours of laboratory per week for each hour of credit. Prerequisite: Consent of faculty member who will advise. Fee(non-refundable): \$48.50.

**511-512. PHYSICAL CHEMISTRY.** (4,4) Fall, Spring.

Fundamental principles of physical chemistry including states of matter,

properties of solutions, thermodynamics, equilibria and phase diagrams, chemical kinetics, conductance and electromotive force. Three class periods and three hours laboratory per week. Prerequisites: 261 or consent of the instructor, Physics 211-212 and Mathematics 251. Mathematics 251 may be taken concurrently. Fee:\$28.50 (refundable).

**540. STUDIES IN PHYSICAL SCIENCE.** (1-3) May be repeated for a maximum of six hours.

Social studies in a particular field of Physical Science.

**551. MICROCOMPUTER INTERFACING.** (3) Spring.

An introduction to the techniques of microcomputer interfacing, analog to digital conversion, and computer electronics. Prerequisite: Consent of the instructor. Credit will not be granted for both Chemistry 551 and Physics 550.

**567. COOPERATIVE EDUCATION.** (1-3) See EdFd 567.

**658. THESIS.** (3) See EdFd 658.

#### PHYSICS

**511-512. ELECTROMAGNETIC THEORY.** (3,3) Fall, Spring. Alternate years. Offered 1990-91.

The properties of electric and magnetic fields, electrostatics, and Maxwell's equations. Both semesters must be taken. Three hours lecture per week. Pre- or co-requisite: Mathematics 351.

**515. ADVANCED LABORATORY.** (1) Offered on demand.

Selected experimental problems of an advanced undergraduate level from various areas of physics. Not less than three laboratory hours per week. May be taken two times for credit. Prerequisite: Advanced standing in physics and approval of instructor. Fee:\$28.50 (non-refundable).

**525. THERMODYNAMICS AND STATISTICAL MECHANICS.** (3) Spring. Alternate years.

A study of thermal properties of matter including the first, second, and third laws of thermodynamics and their applications with an introduction to statistical mechanics. Three hours lecture per week. Prerequisites: 211-212 and Math. 301 or consent of the instructor.

**531. QUANTUM MECHANICS.** (3) Fall. Alternate years.

An introduction to the formulation of non-relativistic quantum mechanics and its applications. Prerequisites: Math. 351, Phys. 301, or Chem. 412, or consent of the instructor.

**544. SELECTED TOPICS.** (3) Offered on sufficient demand.

Study of certain advanced physics topics. Class meetings will be arranged by the instructor. Prerequisite: Consent of the instructor.

**550. MICROCOMPUTER INTERFACING.** (3) Spring.

An introduction to the techniques of microcomputer interfacing, analog to digital conversion, and computer electronics. Prerequisite: Consent of the instructor.

**567. COOPERATIVE EDUCATION.** (1-3) See EdFd 567.

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

Directed readings and/or research for qualified senior physics majors and graduate students. Prerequisite: Consent of the appropriate member of physics faculty.



## DEPARTMENT OF BEHAVIORAL SCIENCES

### PSYCHOLOGY

The area of Psychology has been designed to achieve the following objectives:

1. To provide a basic education in the science of psychology.
2. To assist the student in promoting his skills in human relations.
3. To prepare students for advanced study leading to a professional career in psychology and/or counseling.
4. To relate and integrate the psychological truths found in the Word of God with the knowledge of modern psychological science in order to render greater service in the home, the church and the community.

500. PSYCHOLOGICAL TESTING. (3) Spring, Summer.

History and development of mental measurements; theory of test construction; and techniques for test evaluation. Emphasis upon developing familiarity with various tests of intelligence, personality, interests, and special aptitudes. Two lectures and one two-hour laboratory each week. Prerequisites: 201, 325, or consent of the instructor.

506. INDUSTRIAL PSYCHOLOGY. (3) Spring.

Introduction and survey of psychology applied in the workplace. Topics will include psychological assessment, job design, occupational stress, worker motivation, career development, and strategies for helping impaired workers. Students will gain experience in interpreting and applying the professional literature of industrial/organization psychology. Prerequisites: 131 or 201 and 325 or 375 or Bus. 361.

507. SOCIAL PSYCHOLOGY. (3) Spring.

Study of theories, methods, and findings in social psychology. Emphasis on critical reading of research literature. Prerequisite: 375.

512. TECHNIQUES OF COUNSELING. (3) Fall, Spring, Summer.

Methods of gathering, analyzing, and interpreting data in counseling. The analysis of dynamics of counselor-counselee relationship. Interviewing techniques. Use of tests results in counseling. Prerequisite: 585.

515. APPLIED RESEARCH. (3) Fall, Spring, Summer.

The major objective of this course is to learn to employ research design and analysis techniques to practical problems. Statistics (Psy 325) and Experimental Psychology (Psy 330) or their equivalents are prerequisites for this course. It is particularly designed to provide an opportunity to practice data analysis projects using microcomputers developing familiarity with both DOS and SPSS/PC+, a major computer application used for analysis of data.

525. STATISTICS. (3) Fall.

An introduction to the scientific methods as applied to psychology through a study of research techniques and mathematical analysis. Emphasis upon developing skills with descriptive statistics. Three hours of lectures and one two-hour laboratory each week.

538. PSYCHOLOGY OF LEARNING. (3) Spring, Summer.

A study of the psychological principles involved in learning, memory and motivation and their applications to the understanding of human development and personality. Two lectures and one two-hour laboratory each week. Prerequisite: 201 or consent of the instructor.

540. FIELD EXPERIENCE IN PSYCHOLOGY. (1-3) Offered on demand.

Participation in an approved mental health, mental retardation school, industrial or experimental setting. Experience supervised by a professor in the area of the student's interest. Prerequisite: 12 hours in psychology and consent of the chairman. Must purchase professional insurance through Harding University.

567. COOPERATIVE EDUCATION. (1-3) See EdFd 567.

580. PSYCHOLOGY OF PERSONALITY. (3) Fall, Spring, Summer.

Representative theories of personality are analyzed for their contribution to understanding human growth and development, psychopathology, and behavior change. The relationship of theory to assessment and research is examined. Prerequisite: 201.

582. BEHAVIORAL DISORDERS. (3) Spring, Summer.

A study of basic concepts of psychopathology with emphasis on the development of behavior deviations and descriptions of various types of behavioral disorders. Prerequisite: 201.

585. COUNSELING. (3) Fall, Summer.

A course designed to give students a thorough knowledge of the theories and philosophies underlying current practices in the field of counseling. Special attention is given to helping each student develop his own theory and techniques. Prerequisites: Junior standing, 380/580, and 382/582.

592. HISTORY AND SYSTEMS. (3) Fall.

A study of the historical, scientific, and philosophical antecedents of contemporary psychology in relation to their current influence on the field; emphasis upon contributions of important leaders and schools of psychology; and consideration of current problems in the field. Prerequisite: 12 hours of Psychology or consent of instructor.

650. INDEPENDENT STUDY IN PSYCHOLOGY. (1-3)

Offered on demand. Individual study on research in selected topics in psychology. Interested students must submit a formal proposal for consideration before being approved for enrollment. Prerequisite: 12 hours in psychology courses, consent of the instructor and the chairman of the department.

658. THESIS. (3) Offered on demand.

The amount of credit earned in this course will depend upon the comprehensiveness and quality of the research undertaken. Methods and techniques of research are treated and applied to the selection of a problem or topic, and the organization and interpretation of materials appropriate thereto.

### SOCIOLOGY

The area of Sociology seeks to achieve the following objectives:

1. Develop in students an understanding of the social and cultural aspects of human behavior.
2. Acquaint students with the nature of society through application of the



scientific method.

3. Provide students with other majors a fundamental knowledge of human relations so that they can function more efficiently in various facets of modern society.

4. Assist students interested in mission work to understand cultures other than their own.

500. GROUP PROCESSES. (3) Spring.

Organization of groups and development of leadership: group modification of individual conduct, group work, and research.

501. PROBLEMS IN MODERN COURTSHIP AND MARRIAGE. (3) Spring.

Study of problems in interpersonal behavior and role relationships in marriage. Emphasis on practical application of problematic aspects of courtship and marriage. Guidance for individual behavior as well as professional preparation for those planning to work in this area.

505. CONTEMPORARY SOCIAL PROBLEMS. (3) Fall, Summer.

Our present social system, the organization into communities, states and races. The fundamental problems which affect these social organization. Prerequisite: 203 is recommended.

507. SOCIAL PSYCHOLOGY. (3) Fall, Summer.

Psychology of the individual in the group situation; the social environment as a source of psychological stimulation. Consideration of such topics as crowd and mob behavior, leadership, personality, prejudice. Prerequisite: 201. Sociology 203 is recommended.

510. MINORITY GROUPS. (3) Fall.

The identity, goals, and organizations of minority groups; race relations as a social problem. Prerequisite: 203.

530. URBAN THEORY AND COMMUNITY DEVELOPMENT. (3) Spring. Alternate years.

Theory of urban development; the growth of cities in modern times; social characteristics of fringe and suburban areas. Urban problems and the social processes underlying change. Prerequisite: 203.

540. HISTORY OF SOCIOLOGICAL AND ANTHROPOLOGICAL THEORY. (3) Spring. Alternate years.

Major theoretical contributions to sociology, social psychology, and anthropology. A study of the historical development and theoretical interrelationships of the three fields. Prerequisites: 15 hours of sociology, including 203 and 250; and, for juniors, permission of the instructor.

567. COOPERATIVE EDUCATION. (1-3) See EdFd 567.

599. CHILD WELFARE SERVICES. (3) Spring.

Developing skills needed in working with children with unique problems who may be from unstable homes or who have been removed from their natural parents. Particular attention will be given to the cause and effect of overt behaviors that are manifestations of inner turmoil.

650. INDEPENDENT STUDY. (1-3) Offered on demand.

Individual study or research in sociology for qualified graduate students. Prerequisite: 12 hours of sociology and approval of the department chairman.

658. THESIS. (3) See EdFd 658.

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*Professor of Education. 1992.*

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\*First date indicates year of employment; second date, year appointed to present rank; third date, year appointed to administrative position.

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*Associate professor of Education.* 1986.

RICHARD PECK, Ed.D. (Mississippi State University)  
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*Professor of Bible and Associate Dean of College of Bible and Religion.* 1974, 1988.

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JOHN H. RYAN, Ph.D. (University of Missouri)  
*Professor of Communication and Chairman of the Department.* 1961, 1987.

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BARBARA K. STATOM, M.Ed. (Bowling Green State University, Ohio)  
*Associate Professor of Business Education and Director of Business Office Education.* 1973, 1984, 1991.

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*Associate Professor of Education.* 1990.

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*Professor of Psychology and Chairman of the Behavioral Sciences Department.* 1974, 1982.

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*Associate Professor of Economics and Director of Walter Scholarship Program.* 1980, 1987, 1985.

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#### STEPS TO BE FOLLOWED FOR M.Ed. and M.S.E. DEGREES

The following steps are to be completed by and are the responsibility of the student in approximately the order given.

1. File application for admission to the Graduate Office.
2. Forward two (2) official transcripts to the Graduate Office.
3. Submit a copy of either National Teacher Examinations scores or the Miller Analogies Test scores to the Graduate Office.
4. Receive admission form from the Graduate Office.
5. Counsel with the Director of Graduate Studies concerning the course of study.
6. Obtain "Trial Study" schedule from the Graduate Office each term before registration.
7. File evidence of teaching certificate with the Graduate Office (Deficiencies may be made up concurrently with the graduate program.) (For M.Ed. degree only.)
8. During the semester in which the ninth hour is completed file an application for candidacy.
9. Receive candidacy standing.
10. If a thesis is to be written, special forms must be filed and arrangements made through the Director of Graduate Studies.
11. The semester before you plan to graduate, file "Request for Degree" in the Registrar's Office.
12. Pay graduation fee on registration day of the last semester before graduation to the Business Office.
13. File application for comprehensive examinations during the last semester of residence before deadline date given in catalog.
14. Counsel with instructors about scope of the comprehensive examinations.
15. Complete comprehensive examinations.
16. Complete all course work.

NOTE: To insure that your registration will go smoothly, please notify the Graduate Office or the Registrar's Office one week before the registration day of each semester you plan to enroll so all registration materials will be prepared.



|   |        |
|---|--------|
| Academic Information . . . . .                                | 13     |
| Academic Regulations . . . . .                                | 17     |
| Accreditation . . . . .                                       | 8      |
| Administration of Program . . . . .                           | 15     |
| Administrative Officers . . . . .                             | 59     |
| Admission . . . . .   | 15     |
| Application for Degree . . . . .                              | 21     |
| Art Department . . . . .                                      | 27     |
| Behavioral Science Department . . . . .                       | 56     |
| Bible Classes . . . . .                                       | 9      |
| Bible, Religion, College of . . . . .                         | 28     |
| Biology Department . . . . .                                  | 30     |
| Board of Trustees . . . . .                                   | 59     |
| Buildings . . . . .   | 9      |
| Business, School of . . . . .                                 | 31     |
| Candidacy . . . . .   | 17     |
| Church Attendance . . . . .                                   | 10     |
| Communication Department . . . . .                            | 34     |
| Counseling, Academic . . . . .                                | 20     |
| Credit . . . . .  | 20     |
| Degree, M.Ed. . . . .   | 63     |
| Degree, M.S.E. . . . .  | 63     |
| Education, School of . . . . .                                | 38     |
| Elementary and Elementary Administration Curriculum . . . . . | 22, 23 |
| English Department . . . . .                                  | 43     |
| Entrance Requirements . . . . .                               | 16     |
| Examinations . . . . .  | 18, 20 |
| Faculty of University . . . . .                               | 60     |
| Foreign Languages Department . . . . .                        | 44     |
| Grades . . . . .  | 18     |
| Graduate Curricula . . . . .                                  | 21     |
| Health, Physical Education & Recreation Department . . . . .  | 46     |
| History of University . . . . .                               | 6      |
| History and Social Science Department . . . . .               | 47     |
| Home Economics Department . . . . .                           | 50     |
| Honors and Honor Points . . . . .                             | 19     |
| Loans . . . . .   | 12     |
| Mathematics and Computer Science Department . . . . .         | 52     |
| Music Department . . . . .                                    | 54     |
| M.S.E. Curriculum . . . . .                                   | 25     |
| Physical Science Department . . . . .                         | 54     |
| Prerequisites . . . . .                                       | 20     |
| Reading Curriculum . . . . .                                  | 23     |
| Registration . . . . .  | 20     |
| Regulations, General . . . . .                                | 17     |
| Religion (See Bible) . . . . .                                | 28     |
| Room and Board . . . . .                                      | 11     |
| Scholarships . . . . .  | 12     |
| Secondary Curriculum . . . . .                                | 24     |
| Secondary Administration . . . . .                            | 24     |
| Semester Hour, Definition of . . . . .                        | 19     |
| Student Load . . . . .  | 19     |
| Thesis . . . . .  | 20     |
| Time Limit . . . . .  | 19     |
| Transfer . . . . .  | 19     |
| Tuition . . . . .   | 10     |

## University Calendar TENTATIVE

### Fall Semester - 1993

|  |                                       |
|--|---------------------------------------|
| Counseling and Registration . . . . .                      | August 23-24                          |
| Class Work Begins . . . . .                                | August 25                             |
| Deadline for Application for Comprehensive Exams . . . . . | Sept. 17                              |
| Final Date for Application for Degree . . . . .            | September 17                          |
| Miller Analogies Test . . . . .                            | To Be Arranged                        |
| National Teacher Examinations . . . . .                    | To Be Arranged                        |
| Comprehensive Examinations . . . . .                       | November 6                            |
| Thanksgiving Recess . . . . .                              | November 20-28                        |
| Final Examinations . . . . .                               | December 14-17                        |
| Graduation . . . . .                                       | 10:00 a.m., December 18               |
| Christmas Recess . . . . .                                 | December 18, 1993 to January 10, 1994 |

### Spring Semester - 1994

|  |                    |
|--|--------------------|
| Counseling and Registration . . . . .                        | January 10-11      |
| Class Work Begins . . . . .                                  | January 12         |
| Final Date for Application for Comprehensive Exams . . . . . | Feb. 4             |
| Final Date for Application for Degree . . . . .              | February 11        |
| National Teacher Examinations . . . . .                      | To Be Arranged     |
| Spring Recess . . . . .                                      | March 12-20        |
| Comprehensive Examinations . . . . .                         | April 2            |
| Miller Analogies Test . . . . .                              | To Be Arranged     |
| Final Examinations . . . . .                                 | May 9-13           |
| Graduation . . . . .   | 10:00 a.m., May 14 |

### Summer Term - 1994

|  |                       |
|--|-----------------------|
| Intersession . . . . .                                     | May 16-June 1         |
| Counseling and Registration . . . . .                      | June 6                |
| Class Work Begins . . . . .                                | June 7                |
| Deadline for Application for Comprehensive Exams . . . . . | June 13               |
| Final Examinations, 1st Session . . . . .                  | July 8                |
| Class Work Begins, 2nd Session . . . . .                   | July 11               |
| Final Date for Application for Degree . . . . .            | July 12               |
| Comprehensive Examinations . . . . .                       | July 16               |
| Miller Analogies Test . . . . .                            | To Be Arranged        |
| Final Examinations, 2nd Session . . . . .                  | August 11             |
| Graduation . . . . .                                       | 10:00 a.m., August 12 |



Harding University  
Searcy, Arkansas