

1998

Harding University School of Education Graduate Catalog, 1998-1999

Harding University

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Harding

SCHOOL

OF

EDUCATION

GRADUATE

CATALOG

1998 - 99

University Calendar

Fall Semester - 1998

Counseling and Registration	August 24
Class Work Begins	August 25
Miller Analogies Test	September 15
Deadline for Application for Comprehensive Examinations	September 18
National Teacher Examinations	October 17
Comprehensive Examinations	November 14
Thanksgiving Recess	November 22-28
Final Examinations	December 14-18
Graduation	10:00 a.m., December 19
Christmas Recess	Dec. 19 to Jan. 12, 1999

Spring Semester - 1999

Counseling and Registration	January 12
Class Work Begins	January 13
National Teacher Examinations	January 23
Miller Analogies Test	January 26
Deadline for Application for Comprehensive Examinations	February 19
Spring Recess	March 14-20
Comprehensive Examinations	April 17
Final Examinations	May 10-14
Graduation	10:00 a.m., May 15

Summer Term - 1999

Intersession Registration	May 17
Intersession Classes Begin	May 17
Counseling and Registration, 1st Session	June 7
Class Work Begins	June 7
Deadline for Application for Comprehensive Examinations	June 11
Miller Analogies Test	June 22
Final Examinations, 1st Session	July 2
Registration for 2nd Session	July 6
Class Work Begins, 2nd Session	July 6
Comprehensive Examinations	July 10
Final Examinations, 2nd Session	July 30
Graduation	10:00 am, July 31



Descriptive Catalog of Harding University

Graduate Bulletin of the School of Education

1998-99

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.


Member  ARKANSAS' INDEPENDENT COLLEGES & UNIVERSITIES

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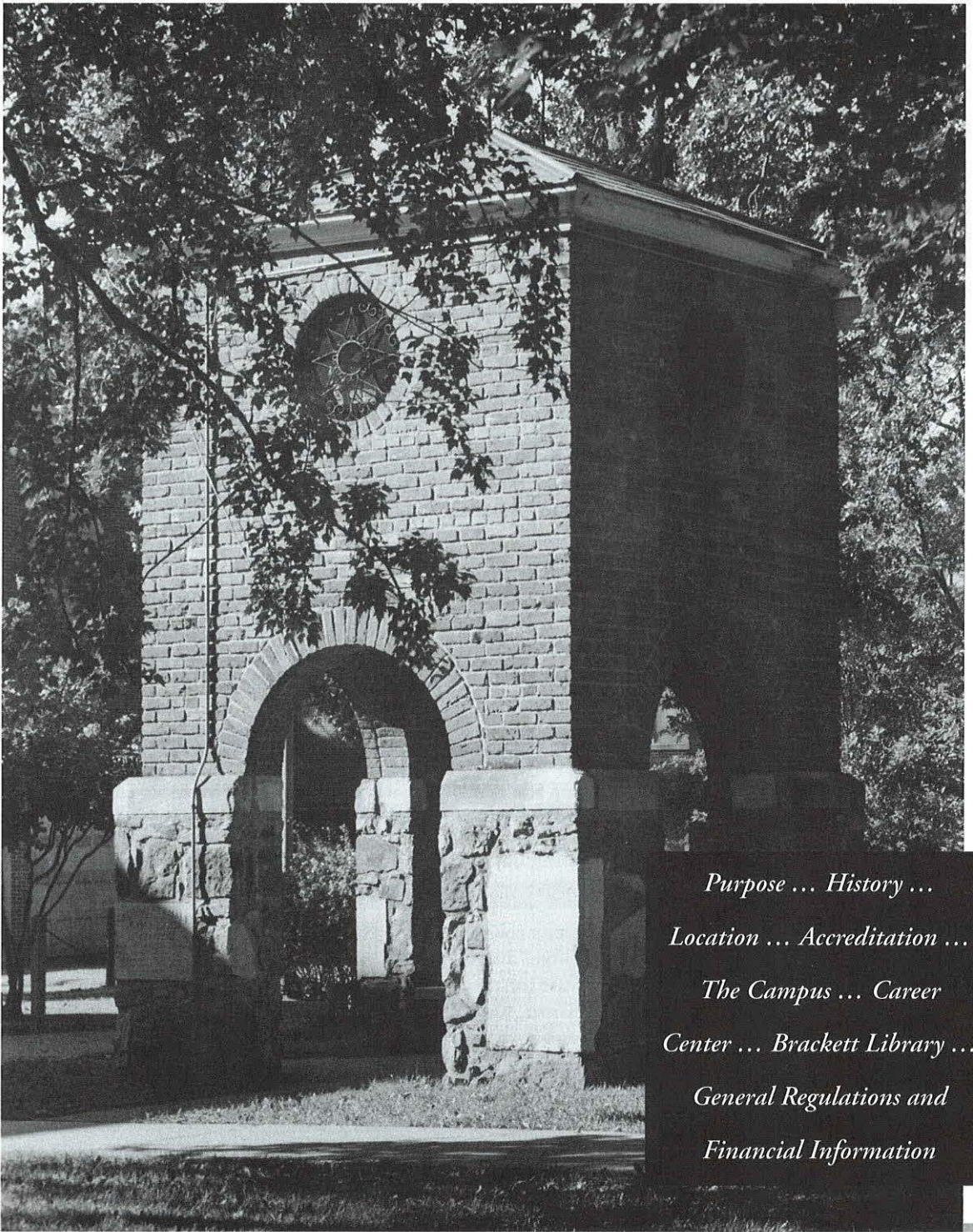
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GENERAL INFORMATION



*Purpose ... History ...
Location ... Accreditation ...
The Campus ... Career
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The Purpose of Harding University

Harding University is a Christian institution of arts and sciences. Its purpose is to give students an education of high quality that 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 within it; to encourage their enjoyment of life and their individual contribution to the meaningfulness of it; and 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 to 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 students intellectual, social and spiritual development. The entire curriculum, as well as individual courses, is revised periodically to meet the changing requirements of students.

Student activities provide 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 the student can attain no other way.

The University is governed by a self-perpetuating board of trustees who are members of churches of Christ. Harding attempts to be nonsectarian 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.

A Brief History

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, Ark. Harper had been founded in Harper, Kan., 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 University) in Nashville, Tenn. Preacher, teacher and Christian educator, James A. Harding inspired his co-workers and associates with 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, be-

came 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, Ark., on the campus of a former women's institution, Galloway College.

One of Harding's first graduates, George S. Benson, returned from mission work in China in 1936 to assume the presidency of his alma mater. The vigorous educator quickly directed the College out of deep indebtedness and launched it on a 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 multimillion-dollar campus, regional accreditation, a strong faculty, and a continually growing student body. Dr. Benson died in December 1991 and is buried in Searcy.

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 2,767 in the fall of 1986, peaking at 3,084 in the fall of 1984. Dr. Ganus instituted a Decade of Development program, during which 11 new buildings were constructed along with several married students' apartments, and six academic buildings were renovated. Several programs, including Harding University in Florence (Italy), were developed during his administration. In Memphis, Tenn., 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.

Dr. David B. Burks, a C.P.A. and 1965 alumnus of Harding, was inaugurated as Harding's fourth president in 1987. Dr. Burks has been a member of the faculty since 1967 and formerly served as dean of the School of Business. He received the Distinguished Teacher Award in 1974 and 1986. During his administration, enrollment at Harding has grown to more than 4,100 students.

Our Location

Harding's home community, Searcy, Ark., is a city of about 17,000 persons and the seat of White County. Founded in 1837, Searcy enjoyed gradual growth as center of a chiefly agricultural area until the last 35 years, when the location of several industries in the city brought a favorable balance of economy and a more rapid growth than before. Today's Searcians are a progressive citizenry proud of their community and dedicated to its advancement.

Located in Central Arkansas, about 50 miles northeast of Little Rock and 105 miles west of Memphis, 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 nearness of Little Rock and Memphis gives Searcians access to the cultural and entertainment opportunities of metropolitan areas without sacrificing the special charms of small-town living. Both faculty and students enjoy the cultural and entertainment offerings of the two cities. Searcy itself features recreational facilities of all types, and Greers Ferry Lake to the north of the city is famous for its fishing and 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. Inter-

action and interdependence between the University and the community is great. Many Searcians serve Harding in a variety of ways, and the University contributes significantly to the civic, cultural, economic, educational, recreational and spiritual well being of the city.

Accreditation

Accreditation is the measure of a university's adherence to the professional standards of the nation's academic community. It means 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 credits earned at similarly accredited institutions.

Harding is accredited by the North Central Association of Colleges and 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 graduate and undergraduate teacher education program for preparing both elementary and secondary teachers is accredited by the National Council for Accreditation of Teacher Education. Its undergraduate programs in social work and music are accredited by the Council on Social Work Education and the National Association of Schools of Music, respectively. The School of Nursing is accredited by the National League for Nursing, and the School of Business is accredited by the Association of Collegiate Business Schools and Programs.

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 family and consumer sciences teachers. Harding's graduates are admitted to leading graduate and professional schools. The University also offers strong preprofessional programs in various fields of the medical sciences, engineering, law, social service and other professional fields. Alumnae are admitted to membership in the American Association of University Women.

The Campus

Campus buildings are compactly and attractively located on about 200 acres within a few blocks of downtown Searcy. The 48 buildings with their equipment and educational facilities are valued at more than \$96 million and provide an efficient and well-furnished educational plant.

The Career Center

The Career Center assists Harding students at all levels of training to prepare for their eventual walk into the job market. The Career Center is in touch with the needs of school boards, industries and businesses, government agencies and other employers that provide jobs to university graduates. Help is also available to students interested in applying to graduate programs, or interested in continuing studies beyond the master's degree. All senior students are responsible for registering with the Career Center. Graduate students and alumni of

Harding may contact the Career Center at any time for help with job searches and placement. A credential file is kept for seven years for every graduate who supplies information to the Career Center, and copies of this file can be sent to prospective employers or graduate schools for a charge of \$3.50 each.

The Brackett Library

Harding's Brackett Library subscribes to 1,317 periodicals and 11 newspapers. Its collections include 437,000 volumes and assorted other media including cassettes, videos, kits, maps, etc. Access to information is enhanced by the "Electronic Library," which includes an automated catalog and circulation system; periodical indexing on CD-ROMs for various fields and general interest periodicals; a fulltext database for hundreds of periodicals, and the availability of on-line searches of remote data bases such as BRS, ERIC, Medline, Chemical Abstracts and WESTLAW. Dial-up and Internet access to Harding's on-line catalog is also available. The local collection is supplemented by 22 million items held by other libraries accessible to Harding students via the computerized interlibrary loan service.

General Regulations and Financial Information

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 practice firm, reasonable and sympathetic discipline. 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 one hour of Bible in their graduate program.

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

NONRESIDENT 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; 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.

TUITION AND FEES: (Effective August 1998)

Tuition per semester hour	\$239.00
General Fees per semester hour	40.00
Late Registration Fee (See Late Enrollment on Page 15)	
*Technology/Academic Enrichment Fee per semester	\$100.00
Graduation Fee	90.00
Thesis Binding (two copies)	26.50 Approx.
Auditing per hour	139.00
Course Fees (see Academic Section)	

*Each full-time student (12 hours or more) will pay a special fee of \$100 per semester as a Technology/Academic Enrichment Fee. Students taking 10 semester hours or less will pay \$10 per semester hour.

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. After the first night, a registration fee will be charged. (See page 15).

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

Down Payment — Due at Registration:

\$1,950 must be paid by all students taking 12 or more hours, living in University housing or purchasing food service. One-fourth of the total bill must be paid by all students taking 11 or fewer hours and living off campus without food service.

Installments:

Plan 1 — After the required down payment, the balance may be paid by Sept. 20 in the fall and Feb. 5 in the spring.

Plan 2 — After the required down payment, the balance may be paid in three equal installments as follows:

Fall — Sept. 20	Spring — Feb. 5
Oct. 20	March 5
Nov. 20	April 5

Deferred Payment Fee:

\$23 is charged if the required down payment is not paid at registration or, if after the down payment is paid at registration, the balance is not paid by Sept. 20 in the fall or Feb. 5 in the spring.

Any arrangements other than the ones stated above must be cleared with the Business Office before registration. An 8 percent per annum service charge will be added to past-due accounts.

ROOM AND BOARD: Rooms in the residence halls are \$975 per semester. The telecommunication fee each semester is \$50 per student.

Board ranges from \$1099 to \$1,432 per semester depending on the meal plan and declining-balance plan selected.

All students who live in Harding University residence halls are required to eat in the cafeteria. Students furnishing a doctor's statement indicating 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 furnished/unfurnished apartments on campus for \$260 (one

bedroom) and \$277 (two bedroom) per month, plus utilities, in the East Married Student Apartments. The West Married Student Apartments rent for \$260 (one bedroom) and \$320 (two bedroom) per month, plus utilities. Town houses in Alumni Village rent for \$385 (two bedroom) unfurnished and \$413 (two bedroom) furnished, plus utilities. The telecommunication fee for all of the apartments is \$18 per month.

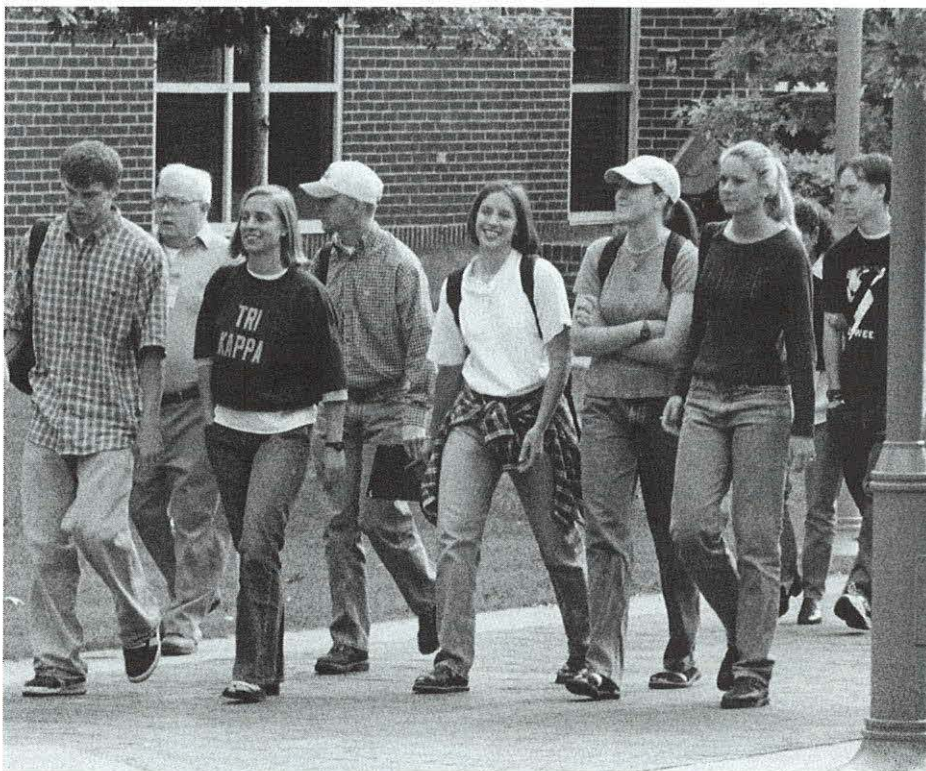
A reservation fee of \$125 is required to reserve either a room or an apartment. These fees are refundable if the reservation is canceled 30 days before occupancy date.

REFUNDS: Because 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.

Once a student registers, there is 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 residence hall 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. The telecommunication fee will not be refunded. Board will be refunded



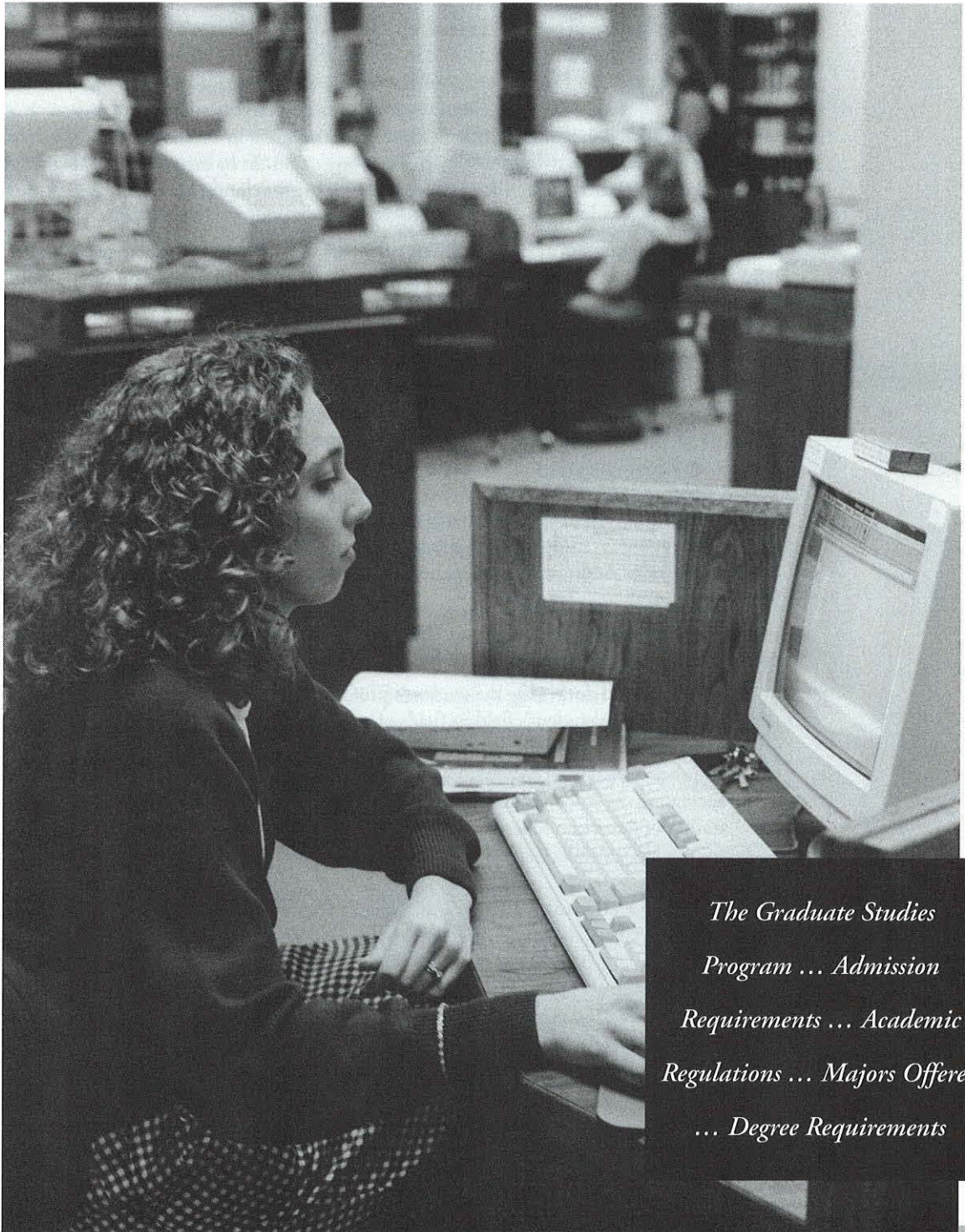
when the student ID is returned to the Business Office. Cost of meals and declining balance will be due for any week started plus any declining balance spent over the amount prorated. No refund can be made for meals missed while the student is enrolled. The official check-out date from the residence hall 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 unless the student has Title IV Federal Financial Aid, and then it will be based on the U.S. Department of Education's refund formula. If the withdrawal results from the student's misconduct, the institution is under no obligation to make any refunds.

Based on the Higher Education Amendments of 1992, students receiving Title IV Financial Aid and attending Harding University for the first time will be given a pro-rata refund for the first semester if they do not complete 60 percent of the enrollment period for which they have been charged. If a student is not enrolled at Harding for the first time, then a standard refund calculation will determine how much of the Title IV Financial Aid must be returned to the Federal Programs. In some cases, all Title IV aid must be returned when a student withdraws from school.

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 before the regular registration date. No 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 student financial services**.

? (**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 also be completed in multiple summer sessions.



*The Graduate Studies
Program ... Admission
Requirements ... Academic
Regulations ... Majors Offered
... Degree Requirements*

The Graduate Studies Program in Education

Graduate Studies in Education 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 adviser 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 individual 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 skills in research methods, the evaluation of data, and the adaptation 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 pursu-

ing 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.

Administration of the graduate program is the responsibility of the director of graduate studies, who is chair of the Graduate Council and is assisted by the Council. **The Graduate Council**, appointed by the president of the University upon recommendation of the graduate director, is composed of the following standing members: dean of the School of Education, associate dean of the School of Education, vice president for academic affairs, and registrar. There are also five rotating members, two from the School of Education, and three from outside the School of Education, and two student members.

Harding University Graduate School of Religion is in Memphis, Tenn. The mailing address is 1000 Cherry Road, Memphis, TN 38117.

Admission to Harding University

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 the Graduate Studies program may be obtained by contacting the director of graduate studies. All credentials must be submitted before the registration date of the semester or term 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 THEIR ADMISSION TO THE GRADUATE STUDIES PROGRAM.



Entrance Requirements for Unconditional Admission

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

1. Hold 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 one official transcript;*

OR

an earned master's degree from a regionally accredited college or university, attested by one official transcript.*

2. Complete an entrance exam — which must be either the National Teacher Examinations, the Miller Analogies Test or the GRE general exam. The NTE cut-off score is the Arkansas cut-off score for certification (professional knowledge and area). The MAT cut-off score is 30. The GRE cut-off score is 900 (combined). 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 already 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 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 MAT exam or the GRE general exam. Any student making below 30 on the MAT or 900 (combined) on the GRE, 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

Entrance requirements for provisional admission are:

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 one official transcript.*
2. A student may be admitted provisionally without submitting a test score, but must submit an acceptable score during the first semester enrolled.
3. Same as Requirements 2, 3, 4 and 5 in the Unconditional Admission section.
Removal from provisional admission because of low grade point average requires completion of 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. These documents should be submitted during the first semester enrolled.

** Undergraduate students in the University may register for graduate courses during their final semester's work, provided they lack not more than 9 semester hours of credit for graduation, make formal application for admission to graduate study, and meet the other regular requirements.*

ENTRANCE BY LETTER: Any student 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 to be submitted to Harding University's graduate program. The director of graduate studies is authorized to enroll such a student.

Academic Regulations

Academic regulations at Harding University 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.

STUDENT ID: Every student is required to have a student ID. In order to use the library and other facilities on campus, an ID is required.

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 \$9 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 14th 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 14th 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 \$46 for Tuesday, Wednesday, Thursday and Friday following regular registration, \$59 for Monday through Wednesday of the second week, and \$72 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.

COMPREHENSIVE EXAMINATIONS: A written comprehensive examination covering the student's major and professional areas is required of all candidates for the master's degree.

Current

SCHOOL OF CO.

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.

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
- D — Failure
- F — Failure
- W — Withdrawn
- I — Incomplete

An “I” may be given only when the student has been unable to complete a course for reasons which, in the judgment of the instructor, have been unavoidable. Incompletes must be removed by the 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 6 semester hours of residence graduate work in which they have a “B” or better grade.

GRADE POINT AVERAGE: An average scholarship level of 3.00 is required in all course work. No grade below “C” is acceptable for graduate credit, and only 6 semester hours of “C” credit may be counted toward the degree. These must be balanced by 6 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 but less than eight before graduation 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 in the fall or spring, and 3 hours each summer session. 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 may only approve a one-hour deviation from this policy; 16 graduate hours per semester or 7 hours during a summer term are the absolute maximum. Upon 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 may not 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 which is normally expected of undergraduates. A minimum of 18 semester hours of the 35 required for the Master of Education and Master of Science in Education degrees 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 as independent study. Only two independent study courses may be part of a master's degree.

PREREQUISITES: Eligibility to enroll in courses numbered 600 or above in any field is restricted to those who have completed a minimum of 12 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 12-hour requirement for 600-level courses, with the approval of the director of graduate studies.

ABILITY TO COMMUNICATE: Because 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 3 to 6 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 approve each schedule 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, as it is the student's responsibility to see that all requirements are met; and
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 34 semester hours of graduate credit for most areas of concentration. Some areas require more than 34 hours. The Master of Science in Education degree requires a minimum of 34 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, three summer sessions or the equivalent. A minimum of 29 semester hours of graduate study must be completed on the Harding campus.

APPEALS: A student may appeal any decision of the Graduate Council or the director of graduate studies. The student should follow this process:

1. Write a letter to the director stating his/her request.
2. Student is to appear before the Graduate Council to make an appeal.

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 Graduate Studies Office must be submitted during the first week of the last term of work.

Graduate Curricula

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. Biblical Literature and Religion
 - b. Communication
 - c. English and Humanities
 - d. Family and Consumer Sciences
 - e. Kinesiology
 - f. Natural Sciences
 - g. Social Sciences

Academic fields in which graduate work is offered:

- Art
- Behavioral Sciences
- Bible, Religion and Philosophy
- Biology
- Business
- Chemistry
- Communication
- Education (M.S.E. degree only)
- English Language and Literature
- Family and Consumer Sciences
- French
- History
- Kinesiology
- Liberal Arts (M.S.E. degree only)
- Mathematics
- Music
- Physics
- Political Science
- Sociology and Social Services
- Spanish

Master of Education - Elementary

The elementary curriculum consists of the following 33-hour program, plus a Bible course:

- I. CORE (21 hours)
 - EdFd 643 History and Philosophy of Education (3)
 - EdFd 645 Educational Sociology (3) *-(name)*
 - 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) *(name)*
 - EdFd620 Advanced Educational Technology (3)
- II. Elementary Education Courses (12 hours) ELED courses or PhS 601 or MATH 601
- III. Bible and Religion (1-2 hours) (A Bible course will not count as an elective toward the Master's degree. It does not have to be graduate level and cannot be a course previously taken.)
- IV. A minimum of 18 hours must be selected from courses numbered 600 or above.

Master of Education - Elementary Administration

The elementary administration curriculum consists of the following 36-hour program, plus a Bible course:

- I. CORE (21 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) *(name)*
 - EdFd 652 Research Methods (3)
 - SpEd 515 Advanced Human Growth and Learning (3) *(name)*
 - EdFd 620 Advanced Educational Technology (3)
- II. Elementary Administration Courses (15 hours)
 - EdAd 654 Supervision of Instruction (3) *(name)*
 - EdAd 662 Public School Administration (3) *(name)*
 - EdAd 663 Elementary School Administration (3) *(name)*
 - EdAd 665 Supervised Administrative Internship (3)
 - EdAd 669 School Finance (3)
- III. Bible and Religion (1-2 hours) (A Bible course will not count as an elective toward the master's degree. It does not have to be graduate level and cannot be a course previously taken.)
- IV. 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 9 hours of graduate work, usually including SpEd 507 and EdAd 667. Those certifying for the K-12 certificate must have a total of 6 hours of Reading, Math 525 and Biol 508. The National Teacher Examinations are required for certification. Four years of teaching experience is also required.

Master of Education - Reading

The reading curriculum consists of the following 36-hour program, plus a Bible course:

- 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) *(name)*
 - EdFd 652 Research Methods (3)
 - SpEd 515 Advanced Human Growth and Learning (3) *(name)*
- II. Reading Courses (18 hours)
 - EEd 615 Diagnosis and Correction of Reading Difficulties (3)
 - EEd 633 Clinical Reading (3)
 - EEd 648 Teaching Reading in Content Area (3)
 - SpEd 640 Reading and the Learning-Disabled Student (3)
 - Eng 520 Literature for Adolescents (3)
 - Eng 522 Nature and History of Language (3)
- III. Bible and Religion (1-2 hours) (A Bible course will not count as an elective toward the Master's degree. It does not have to be graduate level and cannot be a course previously taken.)
- IV. A minimum of 18 hours must be selected from courses numbered 600 or above.

NOTE: A master's degree in Reading does not certify one for the Reading Specialist Certification. A minimum of three years of successful teaching experience and passage of the specialist test of the NTE are also required.

Master of Education - Secondary

The secondary curriculum consists of the following 33-hour program, plus a Bible course:

- I. CORE (18 hours)
 - EdAd 635 Secondary School Curriculum (3)
 - EdAd 666 School Law and Policy (3)
 - EdFd 645 Educational Sociology (3) *(name)*
 - EdFd 643 History and Philosophy of Education (3)
 - EdFd 652 Research Methods (3)
 - SpEd 515 Advanced Human Growth and Learning (3) *(name)*
- II. Fields of Academic Concentration (15 hours from not more than two areas and not fewer than 12 hours in one area).
- III. Bible and Religion (1-2 hours) (A Bible course will not count as an elective toward the master's degree. It does not have to be graduate level and cannot be a course previously taken.)
- IV. A minimum of 18 hours must be selected from courses numbered 600 or above.

Master of Education - Secondary Administration

The secondary school administration curriculum consists of the following 36-hour program, plus a Bible course:

- I. CORE (21 hours)
 - EdAd 635 Secondary School Curriculum (3)
 - EdAd 666 School Law and Policy (3)
 - EdFd 643 History and Philosophy of Education (3)
 - EdFd 645 Educational Sociology (3) (name)
 - EdFd 652 Research Methods (3)
 - SpEd 515 Advanced Human Growth and Learning (3) (name)
 - EdFd 620 Advanced Educational Technology (3)
- II. Secondary Administration Courses (15 hours)
 - EdAd 654 Supervision of Instruction (3) (name)
 - EdAd 662 Public School Administration (3) (name)
 - EdAd 665 Supervised Administrative Internship (3)
 - EdAd 668 Secondary School Administration (3) (name)
 - EdAd 669 School Finance (3)
- III. Bible and Religion (1-2 hours) (A Bible course will not count as an elective toward the master's degree. It does not have to be graduate level and cannot be a course previously taken.)
- IV. 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 9 hours of graduate work, usually including SpEd 507 and EdAd 667. The National Teacher Examinations are required for certification, as well as a minimum of four years of teaching experience.

Master of Science in Education

The Master of Science in Education curriculum consists of the following 33-hour program, plus a Bible course:

- I. Nine to 24 hours of education including EdFd 652 (Research Methods) and EdAd 634 (Elementary School Curriculum) or EdAd 635 (Secondary School Curriculum), depending on emphasis.
- II. Nine to 24 hours of non-education courses.
- III. Bible and Religion (1-2 hours) (A Bible course will not count as an elective toward the master's degree. It does not have to be graduate level and cannot be a course previously taken.)
- 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 (ART)

500. WATERCOLOR. (3) Fall. Painting and rendering in water-based 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. Pre-requisite: 400 or consent of instructor. Fee for materials: \$66.

502. ADVANCED PAINTING. (3) Fall. Painting 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: \$9.50.

530. AMERICAN ART HISTORY. (3) Spring of odd years. Alternates with 533.

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

532. ART HISTORY FROM 15TH TO 19TH CENTURY. (3) Fall of even years. Alternates with 531. Western art from the 15th to the 19th century.

533. MODERN ART HISTORY. (3) Spring of even years. Alternates with 530. Western art from the 19th century to the present day.

545. PRINTMAKING I: RELIEF AND INTAGLIO. (3) Fall. 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: \$71.

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: \$41.50.

565. PRINTMAKING II: SERIGRAPHY AND LITHOGRAPHY. (3) Spring. In-depth study of the principles and techniques of serigraphy (silk screen) and Lithography. Prerequisite: 200, or consent of instructor. Fee for materials: \$63.50.

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: \$10.25.

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.

DEPARTMENT OF BEHAVIORAL SCIENCES

PSYCHOLOGY (PSY)

The mission of the Psychology program is to:

1. Provide a basic education in the science of psychology;
2. Assist students in developing their skills in understanding themselves and others;
3. Prepare students for entry-level opportunities as college graduates in the world of work;
4. Prepare students for advanced study leading to professional careers in psychology and/or counseling; and
5. 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. Prerequisites: 201, 325, or consent of the instructor.

506. INDUSTRIAL PSYCHOLOGY. (3) Spring. Psychology applied in the work place. Psychological assessment, job design, occupational stress, worker motivation, and career development. Interpreting and applying the professional literature of industrial/organizational psychology. Prerequisite: 330.

507. SOCIAL PSYCHOLOGY. (3) Fall, Summer. Psychology of the individual in the group situation. Social psychology research, social theory (behavior and attitudes, explaining behavior, social thinking in the clinic), social influence (cultural influences, conformity, persuasion, group influence, social psychology in court) and social relations (aggression, altruism, prejudice, attraction, conflict and peacemaking). **GROUP RESEARCH PROJECTS ARE REQUIRED.** Prerequisites: 330 or consent of instructor.

512. TECHNIQUES OF COUNSELING. (3) Spring, Summer. Enhancement of interpersonal counseling skills and provision of a framework for understanding the interviewing and counseling process. Prerequisite: PSY 385.

515. SPSS. (3) Fall, Spring, Summer. Statistical analysis projects using microcomputers with SPSS, a major computer application used for data analysis. Prerequisites: PSY 325 and 330 or their equivalents

525. STATISTICS. (3) Fall. The scientific method as applied to behavioral science through a study of research techniques and statistical analysis of data. Emphasis upon devel-

oping skills with descriptive and inferential statistics. Three class periods and two hours laboratory per week. Prerequisite: 201 or consent of instructor.

530. EXPERIMENTAL PSYCHOLOGY. (3) Spring. Research methods of behavioral science, including observation, surveys, physical trace, experimental designs, program evaluation, various analyses of variance and non-parametric procedures to analyze data. Computer work and additional statistical techniques. A research project involving data collection, analysis, and report is required. Three class periods and two hours laboratory per week. Prerequisite: 325 or consent of the instructor.

535. ADVANCED RESEARCH IN PSYCHOLOGY. (3) Fall. A major research project which can be presented to doctoral programs as an example of interest and capability in conducting independent research. Enrollment limited on a competitive basis. Three hours lecture and one three-hour weekly lab. All reports typed APA publication style. Presentation of papers at the Arkansas Student Psychology Symposium is required. Prerequisites: PSY 325 and PSY 330 with minimum grade of "B" in both courses.

538. PSYCHOLOGY OF LEARNING. (3) Spring, Summer. Three aspects of learning are emphasized in this class: (1) the primary processes of learning and the research base, (2) the basic assumptions of the behaviorist perspective as contrasted with other perspectives, including the cognitive perspective and biblical principles, and (3) the application of learning principles to the counseling process.

540. FIELD EXPERIENCE IN PSYCHOLOGY. (3) Offered on demand. Participation in an approved mental health agency in the North Central Arkansas area. Experience supervised by a faculty member. Prerequisites: 18 hours in psychology, consent of the department chairman, and purchase of professional liability insurance through Harding University. Fee: To be determined by insurance company.

567. COOPERATIVE EDUCATION. (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. ABNORMAL PSYCHOLOGY. (3) Fall, Spring, Summer. Basic concepts of psychopathology with emphasis on the development of behavior deviations. Descriptions of various types of behavioral disorders. The DSM-IV is heavily emphasized with a special focus on diagnostic criteria. Prerequisite: 201 or EDUC 203.

585. COUNSELING. (3) Fall, Summer. Theories and philosophies underlying current practices in the field of counseling. Special attention is given to helping students develop their own theory and techniques. Prerequisites: 380/580 and 382/582.

592. HISTORY AND SYSTEMS. (3) Fall. Historical, scientific, and philosophical antecedents of contemporary psy-

chology in relation to their current influence on the field; emphasis upon contributions of important leaders and schools of psychology; consideration of current problems in the field. Prerequisite: 12 hours of psychology or consent of instructor.

650. INDEPENDENT STUDY IN PSYCHOLOGY. (3) Offered on demand. Individual study or research for graduate majors in psychology. Prerequisite: Approval of a formal proposal submitted to the faculty member and department chairman.

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.

SOCIAL WORK (SOCW)

The mission of the Social Work program is to:

1. Combine a liberal arts foundation and Christian ethics with professional social work education;
2. Prepare students for beginning generalist social work practice with individuals, families, small groups, organizations, and communities;
3. Promote identification with the profession of social work and its accompanying values so as to encourage responsible behavior in professional social work roles;
4. Develop a respect for cultural diversity and a concerned response to people's problems by challenging discrimination as it relates to race, sex, age, or ableness;
5. Prepare students as generalist social work practitioners who link social research with social work practice;
6. Provide a quality background for students who desire graduate education in social work; and
7. Prepare students for a life-long commitment to professional development.

510. HUMAN DIVERSITY. (3) Fall. Identity, goals, and organizations of American minority groups. Race relations as a social problem. Dimensions of prejudice and oppression. Prerequisite: 203.

511. LAW AND BEHAVIORAL SCIENCES. (3) Spring. The legal environment in which social work, psychology, and related behavioral sciences operate. The American legal system. Legal provisions related to child welfare, domestic violence, health care, and mental health. Legal aspects of professional liability, credentialing, and confidentiality. Development of professional expertise in courtroom behavior.

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

595. CHILD ABUSE AND NEGLECT. (3) Fall, Summer. An historical and theoretical framework for social workers and human services professionals on the topic of child abuse and neglect in American society. The scope of the problem and factors associated with categories of child maltreatment. Intervention, treatment and prevention strategies, with spe-

cial attention to the legal response to child abuse and neglect and to skills which restore healthy family functioning.

599. CHILD WELFARE SERVICES. (3) Spring. Major policy, practice, and research issues that shape current child welfare practice. Areas of service designed to improve opportunities for optimal child development, buttress family functioning, and address dysfunction in children and families, including foster care, adoptions, family preservation, child protective services, day care, and residential treatment services.

SOCIOLOGY (SOC)

The mission of the sociology program is to:

1. Develop in students an understanding of the social and cultural aspects of human behavior;
2. Acquaint students with the nature of society through application of the scientific method;
3. Provide basic background for students who seek careers in sociology and various social services;
4. Prepare students adequately for graduate and professional study in sociology;
5. Provide students with other majors a fundamental knowledge of human relations so that they can function more efficiently in various facets of modern society;
6. Assist students interested in mission work to understand cultures other than their own; and
7. Relate and integrate the psychological truths found in the word of God with a knowledge of society and culture in order to render greater service in the home, church, and community.

507. SOCIAL PSYCHOLOGY. (3) Fall, Spring, Summer. Psychology of the individual in the group situation. Social psychology research, social thinking (behavior and attitudes, explaining behavior social thinking in the clinic), social influence (cultural influences, conformity, persuasion, group influence, social psychology in court) and social relations (aggression, altruism, prejudice, attraction, conflict and peacemaking). Group research projects are required. Prerequisite: 330 or consent of the instructor.

510. HUMAN DIVERSITY. (3) Fall. Identity, goals, and organizations of American minority groups. Race relations as a social problem. Dimensions of prejudice and oppression. Prerequisite: 203.

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

650. INDEPENDENT STUDY. (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.

COLLEGE OF BIBLE AND RELIGION

The field of academic concentration in Bible is permitted with 15 hours in addition to the one hour required of all candidates for the M.Ed. and M.S.E.

DOCTRINAL (BDOC)

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.) Applications of the scriptures to current moral issues to help students gain Biblical insights into moral problems. For nurses and master's degree students; others must have consent of the Dean.

555. EVIDENCES OF CHRISTIANITY. (2 or 3) Fall. 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.

HISTORICAL (BHIS)

541. HISTORY OF THE RESTORATION MOVEMENT. (2 or 3) Spring of odd years. The restoration movement and the people and events which shaped it in American history.

542. BIBLICAL WORLD AND ARCHAEOLOGY. (2 or 3) Fall of odd years. A historical and religious survey of world conditions in Biblical times with special emphasis on the social and religious conditions in Palestine.

543. HISTORY OF THE ENGLISH BIBLE. (2 or 3) Fall. The literary production and transmission of the Bible, including 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 of odd years. The development of Christian thought from the subapostolic age to the present. Outstanding leaders and major doctrines.

658. THESIS. (3) See EdFd 658.

MINISTRY (BMIN)

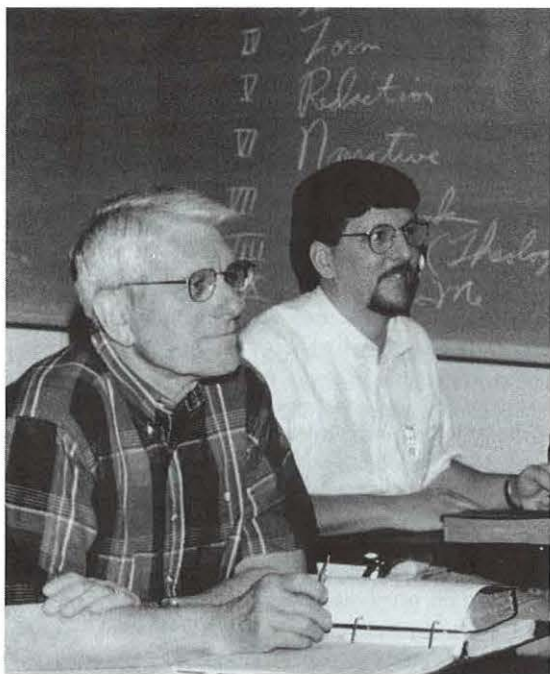
528. ADVANCED PREACHING. (2) Fall of even years; Spring of odd years. Designed to strengthen preaching techniques. Diverse types of sermons are presented, with emphasis on persuasive preaching. Additional study of contemporary preaching and audience response. Prerequisite: 325.

NEW TESTAMENT (BNEW)

511. THE CORINTHIAN LETTERS. (2 or 3) Fall. Historical background and introduction to Paul's letters to the church in Corinth. A study of the text of 1 and 2 Corinthians with a view toward their application for the church today.

512. ROMANS (2 or 3) Fall, Spring. Introduction to the book and exegesis of the text.

514. SELECTED LETTERS. (2 or 3) Spring. First and



Second Thessalonians, Galatians, 1 and 2 Timothy, and Titus. Historical setting and introduction to each book with its individual features. Common relations in setting, thought, and life. Content; exposition of selected passages.

515. **PRISON LETTERS.** (2 or 3) Fall. Philippians, Ephesians, Colossians and 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 LETTERS.** (2 or 3) Fall. Epistles of James, Peter, John and Jude. Historical setting and introduction to each book with its individual features. Common relations in setting, thought and life. Content; exposition of selected passages.

517. **GOSPEL OF JOHN.** (2 or 3) Fall, Spring. An in-depth study with special attention given to the 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 and 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.

OLD TESTAMENT (BOLD)

502. **ADVANCED INTRODUCTION TO THE OLD TESTAMENT.** (3) Fall. The historical background of the

Old Testament. Canon and text; history of interpretation. Introduction to the major divisions and the individual books. Designed for Bible majors; others may enroll.

503. **ISRAELITE HISTORY: PENTATEUCH.** (2 or 3) Fall. History of the Jewish people from the beginning to the founding of their nation. Their contribution to later civilization.

504. **ISRAELITE 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. The writings of Amos, Hosea, Joel, Jonah, Micah, and Isaiah, with their social, religious, and historical settings. The importance of their message for that period and present times.

507. **PROPHETS: JEREMIAH THROUGH MALACHI.** (2 or 3) Spring. The writings of Jeremiah, Ezekiel, Obadiah, Nahum, Habakkuk, Zephaniah, Haggai, Zechariah, and Malachi; with their social, religious, and historical settings. The importance of their message for that period and present times.

508. **ISRAELITE POETRY AND WISDOM LITERATURE.** (2 or 3) Fall of odd years. The Psalms, Proverbs, Song of Songs, Lamentations, Ecclesiastes and Job. Their historical backgrounds, especially the poetic and wisdom literature of the ancient Near East. The importance of their message for that period and present times.

RELIGIOUS EDUCATION (BRED)

533. **YOUTH AND FAMILY MINISTRY.** (2 or 3) Fall, Spring. Youth and family ministry and programming. Incorporation of volunteers into this congregational ministry.

633. **ADVANCED YOUTH MINISTRY.** (3) Spring of odd years. A concentrated study of the work of youth ministry. Multiple staff relationships, finance/budget, personal preparation, and other matters specific to the vocation of youth ministry. Designed for youth ministry majors; others may enroll. Prerequisite: 333/533 or consent of instructor.

RESEARCH (BRES)

561. **RESEARCH IN TEXTUAL STUDIES.** (1-4) Offered on demand. Individual study in the Old and New Testament divisions. Prerequisite: Junior standing, 3.0 G.P.A., consent of Dean.

565. **RESEARCH IN DOCTRINAL DIVISION.** (1-4) Offered on demand. Individual study in the Doctrinal Division. Prerequisite: Junior standing, minimum 3.0 G.P.A., consent of Dean.

HARDING UNIVERSITY IN FLORENCE, ITALY HARDING UNIVERSITY IN ATHENS, GREECE

BIBLE 513. **PAUL.** (2 or 3) Offered only in the Harding University (Italy and Greece) curriculum. A study of the fig-

ure 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.

HARDING UNIVERSITY IN LONDON, ENGLAND

BIBLE 546. THE BIBLICAL BACKGROUNDS. (2-3) Offered only in the International Studies program. A study of Bible backgrounds using the rich resources of European museums, such as the British Museum, to illustrate the environment in which the Biblical events occurred. This course will combine classroom lectures, museum visits, and readings to give the student a greater appreciation of the Scriptures.

DEPARTMENT OF BIOLOGY (BIOL)

506. ECOLOGY LAB. (2) Fall, Spring. Laboratory and field work utilizing basic quantitative methods of ecological research at the individual population and community levels. Prerequisite: BIOL 121 or 122.

A507. ECOLOGY. (3) Fall, Spring. The fundamental interactions between organisms and their environment which determine their distribution and abundance of organisms. Prerequisite: 121 or 122.

508. SCIENCE FOR THE ELEMENTARY SCHOOL TEACHERS. (3) Fall, Spring. A science content course designed especially for K-6 elementary teachers. This course will introduce and expand science concepts for the elementary teacher. Emphasis will be given to: (1) science literacy in an evolving technological society, (2) science as an active, constructive, cooperating process, (3) science involving experimentation, investigation of scientific phenomena, analysis, inquiry and problem solving, and (4) science that includes interdisciplinary content, connections and real-world applications. Corequisite: Must enroll in Eled 508 concurrently. Prerequisite: Admission to the Teacher Education Program. Fee: \$22

509. ANIMAL BEHAVIOR. (3) Offered on demand. A study of the function, ecology, evolution, and genetics of animal behavior. Two lectures and a three-hour laboratory per week. Prerequisite: 259.

515. GENETICS. (4) Spring. Heredity, molecular genetics, microbial genetics, and variation and selection. Three lecture-demonstrations and 3 hours of laboratory per week. Prerequisites: 254 and 259.

516. HERPETOLOGY. (3) Spring. 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: \$18.

525. MOLECULAR AND CELLULAR BIOLOGY. (3) Spring. An intensive study of the biochemistry, energetics, and physiology of cells. The course will emphasize current molecular approaches used in molecular genetics and will take a problem-solving approach to understanding current research data. This course is meant for students preparing for careers in biology, medicine and related fields. Three hours of lecture/discussion per week. Prerequisite: 259 and CHEM 301.

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, and consent of the instructor. All trip expenses will be prorated among the participants.

552. PLANT TAXONOMY. (4) Offered on sufficient demand. 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: \$18.

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

571. ADVANCED GENETICS LABORATORY. (2) Fall, Spring. A one hour lecture — discussion, 4-hour laboratory per week course in transmission and molecular genetics. Classic papers will be read and discussed to complement laboratory problem solving. Students will be expected to pose problems, design experiments, analyze data and communicate their results to their peers. Prerequisites: 315 and CHEM 301.

573. MOLECULAR, CELLULAR AND PHYSIOLOGY LABORATORY. (2) Offered on demand. A laboratory course designed to acquaint students with current methods for studying proteins, enzymes and DNA. One hour of lecture/discussion per week and four hours of laboratory. Students will be expected to pose problems, design experiments, perform experiments, analyze data, and communicate results to their peers. Prerequisite: 425.

614. TOPICS IN BIOLOGY. (1-6) Summer only on demand. This course will offer special graduate level courses primarily for secondary school teachers or graduate students interested in secondary school science experiences. Prerequisite: consent of department chairman.

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 (ACCT)

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 (BUS)

516. BUSINESS LAW. (3) Fall, Spring. Survey of law of commercial paper, secured transactions, debtor/creditor rights, bankruptcy, agency, business organizations, unfair competition and antitrust. 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 (ECON)

510. INTERMEDIATE MACROECONOMICS. (3) Fall of odd years. 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) Spring of even 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) Fall of even years. 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) Spring of odd years. 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 (MGT)

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 (MKTG)

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.

PROFESSIONAL SALES (PR S)

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.

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.

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.

COMMUNICATION DISORDERS (COMD)

500. ANATOMY AND PHYSIOLOGY OF SPEECH AND LANGUAGE. (3) Fall. Normal anatomy and physiology of speech and language. Specific breakdowns in anatomical and physiological functioning resulting in communication disorders. Dissections of the brain and larynx. Prerequisites: COMD 250,325, 326; BIOL 113.

501. SPEECH AND HEARING SCIENCE. (3) Spring. A study of the anatomy and physiology of the vocal mechanism and acoustics of voice and sound production. Prerequisite: 250.

502. AUDIOLOGY. (3) Spring of odd years. 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. PHONOLOGICAL AND 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 through special arrangement. Seminar in topics related to subject matter in communication disorders. Prerequisite: Consent of department chairman.

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. Fee: \$21.50

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: \$46.

510. COMMUNICATION THEORY. (3) Spring. 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 of odd years. 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 demo-

cratic 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. WRITING FOR THE MASS MEDIA. (3) Spring. Extensive instruction in the writing skills required by all the mass media, with special attention given to three forms of mass media writing: writing to inform, writing to entertain, and writing to persuade. Prerequisite: COMM 231.

541-545. INTERNSHIP IN ADVERTISING, PRINT JOURNALISM, PUBLIC RELATIONS, RADIO-TELEVISION, COMMUNICATION MANAGEMENT. (3) Fall, Spring, Summer. The internship, supervised in a commercial or educational setting, provides opportunity for observation and practice of fundamentals in a professional setting. An internship paper, approved by the department chairman, is required. Prerequisite: Consent of the department chairman.

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. 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 of odd years. 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 of even years. 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: \$42.50.

594. PUBLIC RELATIONS CASE STUDIES. (3) Spring of odd years. A study of public relations ethics, writing, media relations, and case studies. Prerequisite: 231, 280.

596. PUBLIC RELATIONS CAMPAIGNS. (3) Spring of

even years. 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)

515. LINGUISTICS. (3) Spring of even years. An overview of the study of language. Cognitive dimension of language. Its development and evolution within a social interactive framework.

550. ADVANCED INDIVIDUAL STUDY. (3) Offered through special arrangement. Seminar in topics related to subject matter in oral communication. Prerequisite: Consent of department chairman.

650. DIRECTED READINGS. (1-3) Offered through special arrangement.

THEATER (COMT)

501. PLAY DIRECTING. (3) Fall of odd years. Lecture/workshop in directing and staging plays. Students will direct scenes from various styles of scripts. Prerequisites: COMT 190 and 206, or consent of the instructor.

503. PLAY PRODUCTION. (1) Spring of even years. Lecture/workshop in the production of plays. Will consider the legal, organizational and fiscal aspects of production.

506. CONTEMPORARY DRAMA IN PERFORMANCE. (3) Spring of even years. Performance and acting plays for the modern stage. Reading and analysis of modern plays. Performance of scenes from post-realistic plays. Study and application of modern acting styles. Prerequisites: COMT 190 or 204 or consent of the instructor.

508. THEATER HISTORY II. (3) Fall of even years. A survey of theater history from 1700 to present.

509. ACTING II. (3) Spring of odd years. Application of different styles of acting to period and modern plays for presentation as audition and performance pieces. May be taken twice for credit but only three hours may apply toward the major. Prerequisite: COMT 190.

512. DESIGN FOR THE STAGE. (3) Spring. A study of design principles applicable to all areas of production design. Purchase of design materials required.

513. PLAY PRODUCTION PRACTICUM. (1) Fall, Spring. Directing a one-act play or one act of a full-length play. Written documentation of the project is required. Prerequisites: (1) COMT 301 and 303 and consent of the instructor; (2) Written application to the director of theater by spring break of the academic year previous to enrollment; (3) Negotiation of a contract with the director of theater by the 14th week of the spring semester of the academic year previous to enrollment.

545. ADVANCED MAKEUP. (2) Spring of odd years. Ad-

vanced work in makeup for stage and television. Will emphasize three-dimensional work and will entail creating complete designs for individual productions. Prerequisite: COMT 245.

550. INDEPENDENT STUDY. (3) Offered with permission of instructor and department chair. Independent research in acting, directing, technical theater and other relevant topics in theater. May be repeated for a maximum of six hours total credit in any area.

560. SCENE DESIGN PRACTICUM. (1) Fall, Spring. A realized practicum project in set design for the stage. May be repeated for credit. Prerequisites: COMT 312 and the consent of the instructor.

561. COSTUME DESIGN PRACTICUM. (1) Fall, Spring. A realized practicum project in costume design for the stage. May be repeated for credit. Prerequisites: COMT 312 and the consent of the instructor.

562. LIGHTING DESIGN PRACTICUM. (1) Fall, Spring. A realized practicum project in lighting design for the stage. May be repeated for credit. Prerequisites: COMT 312 and the consent of the instructor.

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

650. DIRECTED READINGS. (1-3) Offered through special arrangement.

DEPARTMENT OF COMPUTER SCIENCE (COMP)

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.

650.

SCHOOL OF EDUCATION

EDUCATIONAL ADMINISTRATION (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 CURRICULUM AND IN-

STRUCTION. (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.

662. SCHOOL ORGANIZATION AND ADMINISTRATION. (3) Fall, Summer. A study of the principles and concepts of organization and administration of schools and the influence of socioeconomic, political and professional factors on the administration of schools.

663. ELEMENTARY SCHOOL LEADERSHIP. (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: \$79.

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 LEADERSHIP. (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.

669. SCHOOL FINANCE. (3) Spring. A critical study of the basic principles of school finance including taxation, school receipts and special problems in educational finance.

ADVANCED EDUCATIONAL LEADERSHIP requires the following courses that lead to school superintendent's licensure. **Prerequisites include the following:** hold or be eligible to hold an elementary or secondary school principal's certificate and recommendation from current or immediate previous supervisor.

750. INDEPENDENT STUDY — SPECIAL TOPICS. (3) Offered on demand. The course will be an individual study of selected topics in education. May be repeated for a total of 6 hours.

760. SCHOOL FACILITIES PLANNING AND MANAGEMENT. (3) Summer. School facilities planning, management and maintenance of the school plant to facilitate a supportive educational environment.

762. SUPERINTENDENT, BOARD, COMMUNITY RELATIONS. (3) Summer, Fall. Developing effective communications, networking and public relations strategies with various constituencies.

764. ADMINISTRATIVE THEORY AND LEADERSHIP. (3) Spring, Summer. A study of current theories of effective leadership in school settings. Requires reading a wide range of current research on leadership theories and an analysis of the application of those principles to the school setting. Prerequisite: EdAd 662 or consent.

766. SCHOOL BUSINESS MANAGEMENT. (3) Summer. Fiscal and resource budgeting, managing, purchasing and accounting for school funds. Prerequisite: EDAD 669.

768. SUPERVISED SUPERINTENDENT INTERNSHIP. (3) Fall, Spring, Summer. Supervised participation in an approved administrative setting. Prerequisite: permission of director of graduate program and a minimum of three years administrative experience.

770. APPLIED EDUCATIONAL RESEARCH AND STATISTICS. (3 or 6) Offered on demand. Organize, conduct and evaluate educational research under the direction of a university professor or other education personnel.

EDUCATIONAL FOUNDATIONS (EDFD)

520. EDUCATIONAL TECHNOLOGY. (3) Fall, Spring, Summer. Technical problems related to audio-visual equipment. The value and importance of media to learning. Technology use in actual teaching situations. Laboratory periods to be arranged. Prerequisite: Admission to the Teacher Education Program. Fee: \$20.

540. STUDIES IN EDUCATION. (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.

620. ADVANCED EDUCATIONAL TECHNOLOGY. (3) Spring, Summer II. The use of new technologies in the educational setting. Emphasis on the production or evaluation, and use of state of the art technologies: video, digital imaging, multimedia, and distance learning. Projects will require the use of one or more newer technologies. Topics

covered will change as newer media become available.

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. 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. CULTURAL AND SOCIOLOGICAL ISSUES IN EDUCATION. (3) Spring, Summer. 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. (3) 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 (ELED)

508. INTEGRATING ELEMENTARY SCHOOL MATHEMATICS AND SCIENCE. (1) Fall, Spring. A laboratory designed to assist elementary teachers in creating successful learning environments for students, promote professional growth for teachers involving mathematics and science content and instructional strategies, and provide instruction in the use of appropriate mathematics and manipulatives, calculators, science equipment, and technology in the elementary classroom. Prerequisites: MATH 240 and admission to the Teacher Education Program. Corequisite: BIOL 508. Fee: \$22.

510. KINDERGARTEN CURRICULUM. (3) Fall, Summer. Study of techniques of teaching content of the kinder-

garten 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. READING: EMERGENT LITERACY. (3) Fall, Spring. Teaching integrated language arts in the primary grades with an emphasis on understanding the nature of reading and writing, phonics, and literature-based instruction.

513. READING: FUNCTIONAL LITERACY. (3) Fall, Spring. Teaching integrated reading and writing in the upper elementary grades with emphasis on reading in the content areas. Study skills, teaching strategies, assessment procedures and remediation techniques will be included.

520. SOCIAL STUDIES IN THE ELEMENTARY SCHOOL. (3) Fall, Spring, Summer. This course is designed to assist elementary and special education majors develop appropriate social studies curriculum, select teaching strategies that facilitate learning and encourage the development of critical thinking skills, and integrate the social studies into the total curriculum. Students will be expected to organize units of instruction, prepare lesson plans and projects, and present their work in class.

601. SCIENCE, MATHEMATICS, AND READING: AN INTERDISCIPLINARY APPROACH, K-4. (6) Fall, Spring, Summer. The workshop will stress the learning of Science, Mathematics, and Reading as active, integrated, constructive processes involving experimentation, activities, demonstrations, communicating, reasoning, and problem solving.

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 ELED 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 interrelationship 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 sufficient 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.

665. TEACHING INTERNSHIP. (3 or 6) Fall, Spring. Supervised participation in an approved kindergarten classroom setting in an elementary school. Prerequisites: consent of chair of elementary education and director of graduate studies. Fee: \$79.

SECONDARY EDUCATION (SEED)

516. THE MIDDLE SCHOOL. (3) Fall; offered on sufficient demand. Methods and materials of teaching in the middle school. Organization and development of the middle school curriculum. Exploration of future trends in the subject-field content through discussion, problem solving, and projects. Prerequisite: Admission to the Teacher Education Program.

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.

665. TEACHING INTERNSHIP. (3 or 6) Fall, Spring. Supervised participation in an approved classroom setting in a secondary school. Prerequisites: consent of chair of secondary education and director of graduate studies. Fee: \$79.

SPECIAL EDUCATION (SPED)

500. MEASUREMENT AND EVALUATION OF THE EXCEPTIONAL CHILD. (3) Fall, Spring. Special diagnostic procedures for children who are exceptional, including giftedness, 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 BEHAVIOR MANAGEMENT AND CLASSROOM ASSESSMENT.

(3) Fall, Summer. Study of behavior management principles with special emphasis on behavior modification and classroom management techniques. Attention will be given to the evaluation and diagnosis of pupils, including information on the construction and interpretation of test results. The course should be taken during the supervised teaching semester. Prerequisite: Formal admission to the Teacher Education Program.

508. NATURE AND NEEDS OF THE MILDLY DISABLED.

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

509. EDUCATIONAL PROCEDURES FOR STUDENTS MILDLY DISABLED.

(3) Fall, Spring. Disorders of auditory and written language, reading, arithmetic, and non-verbal disorders of learning with emphasis placed on the educational psychological needs of the mildly disabled student. Prerequisite: Admission to the Teacher Education Program.

515. ISSUES IN HUMAN DEVELOPMENT.

(3) Fall, Spring, Summer. An advanced study of current issues in human development. Prerequisite: EdFd 203 and formal admission to the Teacher Education Program.

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.

621. CHARACTERISTICS OF YOUNG CHILDREN WITH EXCEPTIONALITIES.

(3) ~~Summer~~ ^{Fall}. An in-depth study of young students with exceptionalities with a focus on medical conditions associated with children having significant disabilities with an emphasis on early medical identification and prevention.

622. ASSESSMENT OF YOUNG CHILDREN WITH EXCEPTIONALITIES.

(3) Spring, Summer. A study of evaluative and diagnostic instruments and procedures used with young children with exceptionalities.

623. INTERDISCIPLINARY PLANNING AND METHODS FOR WORKING WITH YOUNG CHILDREN WITH EXCEPTIONALITIES.

(3) ~~Spring~~ ^{Summer}. A study of current theories, practices and procedures used to develop programs for young children with exceptionalities. Professionals from involved disciplines will discuss interdisciplinary strategies and materials utilized with young children with special needs.

624. FAMILIES OF YOUNG CHILDREN WITH DISABILITIES.

(3) Summer. This course will examine the im-

part of children with disabilities on the family system.

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.

665. TEACHING INTERNSHIP.

(3 or 6) Fall, Spring. Supervised participation in an approved classroom setting in elementary or secondary schools. Prerequisites: consent of chair of elementary, special education or secondary teacher education and director of graduate studies. Fee: \$79.

670. INTRODUCTION TO GIFTED AND TALENTED EDUCATION.

(3) Summer; offered on demand. A study of the nature and needs of the gifted and talented, including identification, programming and guidance.

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~~ ^{Spring}; 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) 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.

TEACHING ENGLISH AS A SECOND LANGUAGE (TESL)

Students may add certification to teach English as a second language by completing the following 12 semester hours of course work.

533. METHODS OF SECOND LANGUAGE TEACHING.

(3) Offered on demand. Methodologies and techniques for teaching English as a second language; evaluation of materials for various levels of instructional goals. Prerequisite: consent of the director of graduate studies.

535. SECOND LANGUAGE ASSESSMENT.

(3) Offered on demand. Assessing oral written proficiency in English as

a second language; development of testing measures. Prerequisite: consent of the director of graduate studies.

537. CROSS-CULTURAL ASPECTS OF ESL. (3) Offered on demand. The relationship between language, culture and cultural awareness in the learning and teaching of English as a second language. Prerequisite: consent of the director of graduate studies.

539. SECOND LANGUAGE ACQUISITION. (3) Offered on demand. Linguistic theories; second language acquisition; cognitive, affective and cultural factors in teaching English as a second language. Prerequisite: consent of the director of graduate studies.

DEPARTMENT OF ENGLISH LANGUAGE AND LITERATURE (ENG)

500. RESTORATION AND NEOCLASSIC LITERATURE. (3) Summer; offered on sufficient demand. An in-depth period study with major attention given to Dryden, Pope, Swift and Johnson.

502. BRITISH ROMANTIC POETRY. (3) Summer; offered on sufficient demand. The poetry of Wordsworth, Coleridge, Keats, Shelley and Byron.

503. GRADUATE STUDY IN LITERATURE OR COMPOSITION. (3) Offered on sufficient demand. Specialized study of the literature of a particular author or field, or advanced study in composition. May be repeated with the consent of the department chairman. Extra fee, subject to change, may be charged for special costs of course. Prerequisite: Consent of the department chairman. Qualified graduate students may take this course three times in different areas.

504. VICTORIAN POETRY. (3) Summer; offered on sufficient demand. Tennyson, Browning and lesser poets of the Victorian period.

508. AMERICAN SHORT STORY. (3) Spring of even years. Alternates with 511. Careful reading and explication of a favorite genre.

509. BRITISH SHORT FICTION. (3) Fall; offered on sufficient demand. Short stories and/or novellas of British authors.

511. AMERICAN NOVEL. (3) Spring of odd years. Alternates with 508. Development of the American novel from its early instances to the present. Varies from year to year and may be repeated with the consent of the department chairman.

515. MYTHOLOGY, FOLK TALES, AND ETHNIC LITERATURE. (3) Summer; offered on sufficient demand. Designed primarily for teachers in secondary schools. Includes units on folklore, mythology, and minority literature.

518. BRITISH NOVEL. (3) Fall; offered on sufficient demand. Development of the British novel from its early instances to the present time. Varies from year to year and may be repeated with the consent of the department chairman.

520. LITERATURE FOR ADOLESCENTS. (3) Fall. Individual titles and characteristics of young adult literature. Includes 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. Principles of linguistic analysis, history of language study, development of English, functions and varieties of language in society, establishment of standards.

525. LITERARY CRITICISM. (3) Fall; offered on sufficient demand. Major critics and theory from Plato to post-structuralism, with emphasis on 20th-century developments.

560. AMERICAN POETRY. (3) Summer; offered on sufficient 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; offered on sufficient demand. 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; offered on sufficient demand. 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 17TH-CENTURY BRITISH LITERATURE. (3) Fall; offered on sufficient demand. Excluding Shakespeare, this course gives attention to major British writers of the period, including sonneteers, dramatists, Spenser, Donne, and Milton.

590. FILM AS LITERATURE. (3) Fall; offered on sufficient demand. An introduction to film as a collaborative art form, this course explores the elements that combine to make film a unique entity drawing from the worlds of literature, drama, photography, and art to define its medium.

630. INDEPENDENT STUDY IN LITERATURE. (3) Offered on demand. A project for graduate students majoring in English. Prerequisite: Consent of the instructor and the department chairman.

658. THESIS. (3) See Education 658.

DEPARTMENT OF FAMILY AND CONSUMER SCIENCES (FCS)

505. HOUSING TECHNOLOGY. (3) Spring. The selection and management of residential equipment, lighting and indoor temperature and climate control. Energy conservation, electricity, gas, plumbing, electronics and refrigeration as they relate to the operation of home systems. Evaluation



of housing types, storage, safety, zoning and government regulations.

506. HOME FURNISHINGS. (3) Fall. The components of interior design, including floor coverings, wall and window treatments, furniture, and accessories. Home furnishings merchandising with field trips to markets and presentations by company representatives. Laboratory experiences in designing, arranging, and refurbishing furnishings and accessories.

515. NUTRITION EDUCATION. (3) Spring. Principles of nutrition education and effective methods of teaching nutrition in community, work-site, and health-care settings. Processes of assessing educational needs, developing educational goals, implementing educational plans and evaluating outcomes. Prerequisite: 331.

520. MEDICAL NUTRITION THERAPY. (3) Spring. Biochemical and physiological conditions that require medical nutrition therapy as a part of patient care. Role of dietitian as a member of the health care team. Prerequisites: 102, 331, and Chemistry 114, 215, 216.

525. ADMINISTRATION OF EARLY CHILDHOOD PROGRAMS. (3) Spring. Housing, equipment, financing, staffing, program development, records, health protection, school planning and organization. Prerequisite: Three hours in Child Development.

526. HUMAN SEXUALITY. (3) Spring. Physiological, psychological and social aspects of sexual development throughout the life span, including reproductive physiology, healthy sexual adjustment, sexual dysfunction and family planning.

527. FAMILY LIFE EDUCATION METHODOLOGY. (3) Spring. The general philosophy and broad principles of family life education in conjunction with the ability to plan, implement and evaluate such educational programs. Includes experiences in a variety of educational techniques and family life programs.

530. PARENTING. (3) Fall. The major objectives and the underlying guidance principles in parent-child relations and evaluation of parent-guidance endeavors.

531. ADVANCED NUTRITION. (3) Spring. Advanced study in nutrition and metabolism. Recent advances in the field of clinical nutrition. Prerequisites: 331 and Chemistry 324.

533. ADVANCED FOOD SCIENCE. (3) Fall. Components of food materials and the physical and chemical systems characteristic of food products. The scientific method for solving major food problems is stressed, including objective and sensory evaluation of new commercial food products. An original research project is required. Two hours lecture and three hours laboratory per week. Prerequisites: 102; Chemistry 215 and 216.

534. FOODSERVICE PURCHASING. (2) Spring. Principles of procurement in foodservice systems. Food and equipment specifications, receiving, maintenance, and financial management.

535. QUANTITY FOOD PRODUCTION. (3) Spring of even years. Alternates with 536. Food service systems including 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 of odd years. Alternates with 535. Organization and management of foodservice systems. Planning, organizing, human resource management, and fiscal resource management. Two hours lecture and three hours laboratory per week.

540. FAMILY FINANCIAL MANAGEMENT. (3) Fall. Fundamentals of the components of financial decision-making to achieve family needs and wants. Includes spending plans, credit, savings, insurance, taxes and investments.

545. FOOD AND NUTRITION SERVICES MERCHANDISING. (3) Fall. Merchandising and promoting food and nutrition services, including market research, development of products and services, and promotion of products and services.

550. PRESCHOOL CURRICULUM. (3) Fall. A study of the methods and content of the preschool curriculum. Modification of activities for age level, ability, experience, group and individual needs. Six hours of observation/laboratory required.

551. CHILDHOOD HEALTH AND SAFETY. (2) Spring. Interrelationships of health, safety and nutrition. Maximizing the health and wellness of the young child. Nutrition principles and integrated nutritional activities for fostering healthy growth and development.

552. INFANT/TODDLER EDUCARE. (3) Spring. The planned nurturance of very young children's cognition, language, social and motor competence. Design of high quality care learning programs utilizing the principles of physical, experiential and human environmental planning. Includes application for a variety of educational settings including home, hospital, school and early intervention settings.

560. DIETETICS SEMINAR. (1) Spring. The laws, regulations and standards affecting dietetic practice, including professional development, roles, ethic, and performance, in

nutrition practice. Prerequisite: Consent of the Dietetics Program Director.

561. MEDICAL TERMINOLOGY. (1) Spring. Foundations of medical language with specific vocabulary for medical nutrition and child life specialists.

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

570. LIFESPAN NUTRITION. (3) Fall of even years. Alternates with 580. Nutrient needs for various stages throughout the life span. Techniques of assessment and nutritional intervention strategies at each stage. Prerequisite or corequisite: 331.

580. COMMUNITY NUTRITION. (3) Fall of odd years. Alternates with 570. Nutrition care and education programs in community settings. Principles of assessment, planning, implementation, intervention, and evaluation of nutrition services in the community. Prerequisite or corequisite: 331.

650. INDEPENDENT STUDY. (3) Offered on demand. May be taken three times in different areas by qualified graduate students. Prerequisite: 12 hours in Family and Consumer Sciences and written approval of the department chairman.

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

DEPARTMENT OF FOREIGN LANGUAGES

INTERNATIONAL STUDIES (INST)

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: the intermediate level of language study in the language of the host country or give proof of equal proficiency.

FRENCH (FR)

503. ADVANCED FRENCH COMPOSITION. (3) Fall of odd years. Alternates with 301. 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 of even years. 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.

525. REGIONAL LANGUAGE AND CULTURE (3) Offered occasionally in the summer, upon sufficient demand, in a French-speaking country. Linguistic variations of the

chosen region. An in-depth cultural study of the given country or of the given region within France with special attention to the contemporary period. May be repeated for credit in a different country or region. Prerequisite: 202 or equivalent.

532. FRENCH CLASSICISM. (3) Offered on sufficient demand. A study of Cornille, Racine, Moliere, Pascal, LaFontaine, and others. Prerequisite: Any 300 course or equivalent.

534. LITERATURE OF THE 19TH CENTURY. (3) Spring of even years. Alternates with 605. Representative writers and important literary movements of the 19th Century. Prerequisite: Any 300 course or equivalent.

535. LITERATURE OF THE 20TH CENTURY. (3) Fall of even years. Outstanding writers of the 20th Century and current literary trends in France. Prerequisite: Any 300 course or equivalent.

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

605. CONTEMPORARY FRENCH CIVILIZATION. (3) Spring of odd years. Alternates with 534. A study of the mores, customs, government and important personalities of present day France. Prerequisite: 202 or equivalent.

625. REGIONAL LANGUAGE AND CULTURE. (3) Summer, offered on sufficient demand, in a French-speaking country. Linguistic variations of the chosen region. An in-depth study of the country or of the region within France with special attention to the contemporary period. May be repeated for credit in a different country or region. Prerequisite: 202 or equivalent and 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.

SPANISH (SPAN)

503. ADVANCED COMPOSITION AND GRAMMAR REVIEW. (3) Fall of odd years. 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 of even years. Alternates with 302. 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 of odd years. 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 of even years. Alternates with 511. A cultural survey of the Latin American nations with emphasis on the contemporary period. Prerequisite: 202 or equivalent.

535. LITERATURE OF THE 20TH CENTURY. (3)

Spring of even years. 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 of odd years. Alternates with 535. 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) Summer, offered on sufficient demand, in a Spanish-speaking country. Linguistic variations of the chosen region. An in-depth cultural study of the country with special attention to the contemporary period. Prerequisite: 202 or equivalent and 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 HISTORY AND SOCIAL SCIENCE

GEOGRAPHY (GEOG)

502. GEOGRAPHY OF DEVELOPED COUNTRIES. (3) Fall. The developed regions of the world, focusing on their physical traits (landforms, climate, natural resources), land-man relationships (land uses, population distribution), and cultural traits. Principal differences between developed and developing regions.

503. GEOGRAPHY OF DEVELOPING COUNTRIES. (3) Spring. The developing regions of the world, focusing on their physical traits, land-man relationships, and cultural traits. Principal differences between developed and developing regions.

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

HISTORY (HIST)

500. EMERGENCE OF MODERN UNITED STATES, 1877-1920. (3) Fall of even years. History of the United States from Reconstruction through World War I.

502. DIPLOMATIC HISTORY OF THE UNITED STATES. (3) Spring of odd years. Diplomacy and foreign policy of the United States from the American Revolution to the present.

505. ABSOLUTISM, CONSTITUTIONALISM AND REVOLUTION: EUROPE, 1648-1815. (3) Fall of even years. Europe from the end of the Age of Religious Wars to the end of the Napoleonic Wars.

509. AFRICAN HISTORY SINCE 1500. (3) Fall of odd years. Sub-Saharan Africa, including the influence of

ethnicity, colonialism, and modernization.

510. RECENT UNITED STATES HISTORY, 1920 TO THE PRESENT. (3) Fall of even years. Economic, political and social history since 1920.

511. HISTORY OF THE PACIFIC RIM. (3) Fall of even years. The history of the major nation-states of the Pacific Rim, especially China and Japan. An overview of indigenous origins, imperial expansion, cultural innovations and problems of modernization.

514. HISTORY OF THE SOUTH. (3) Fall of odd 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 of even years. The revolutionary impact of industrialization and the emergence of a new balance of power.

525. RECENT EUROPEAN HISTORY, 1920 TO THE PRESENT. (3) Spring of odd years. The triumph of fascist and communist regimes; World War II, the Cold War, and the collapse of communism.

536. ARKANSAS HISTORY. (3) Spring. The history of Arkansas from the 16th century to the present. Required of all teachers certifying in the social studies.

560. HISTORY OF THE AMERICAN PRESIDENCY. (3) Summer. The development of the American presidency from the Constitution and Washington to the present, examining the origins of the two-party system, significant elec-



tions and growth of presidential power. Special attention will be given to presidents who shaped the Office of the President and to their life histories, personalities, policies and place in history.

561. SEMINAR IN HISTORY. (3) Spring. An intensive research and writing seminar. Includes historiography, historical research, and critical analysis.

566. HISTORY OF THE AMERICAN WEST. (3) Spring of odd years. Stages of settlement and development of the West, from the Appalachians to the Pacific, and its impact on the environment, national institutions and American character. Field trip to the West. Fee: \$60.

567. COOPERATIVE EDUCATION. (13) See EdFd 567.

570. COLONIAL AMERICA. (3) Spring of odd years. The history of America from its discovery to 1783.

575. ANCIENT CIVILIZATIONS. (3) Fall of odd years. History and cultures of Mesopotamia, Egypt, Greece and Rome, and the legacies they left the modern world.

580. EARLY MODERN AMERICA, 1783-1850. (3) Fall of odd years. History of the United States from Independence to 1850.

585. MEDIEVAL EUROPE. (3) Fall of even years. The religious, political, social, economic, and cultural developments between the fall of Rome and the end of the Hundred Years War, including feudalism, early nationalism, and the Crusades.

590. ERA OF THE CIVIL WAR, 1850-1877. (3) Spring of even years. Events leading to the Civil War in America; the war in its social, economic, and political contexts; military strategy; Reconstruction. Field trips to battle fields. Fee: \$49.75.

595. RENAISSANCE AND REFORMATION, 1400 to 1648. (3) Fall of odd years. The political, social, economic, and cultural transitions from medieval to early modern European civilization.

680. SPECIAL TOPICS IN AMERICAN HISTORY. (3) Offered on demand. A different topic of interest in American history will be taught each time the course is offered: "The American Indian," "Utopian Communities," "Sports in History," etc.

690. SPECIAL TOPICS IN EUROPEAN HISTORY. (3) Offered on demand. A different topic in European history will be taught each time the course is offered: "World War II," "Revolutions," "Cities of Europe," etc.

POLITICAL SCIENCE (POLS)

500. COMPARATIVE POLITICAL SYSTEMS. (3) Fall of odd years. 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 UNDERDEVELOPED NATION STATES. (3) Spring of even years. Political processes and economic development of the underdeveloped nation-states of Africa, Asia, Latin and South America.

525. AMERICAN POLITICAL THOUGHT. (3) Spring of odd years. Origins and development of American political ideas and institutions from pre-Colonial times to the present. Prerequisite: POLS 205.

535. CONSTITUTIONAL LAW. (3) Spring. The role of the Supreme Court in the American political system. Principles of Constitutional interpretation. Landmark cases in our legal heritage. Contemporary Bill of Rights issues. Prerequisite: POLS 205.

536. ADMINISTRATIVE LAW. (3) Fall of even years. The nature, formulation implementation, and adjudication of administrative law with attention to the powers and limitations of regulatory agencies. Prerequisite: POLS 205.

551. INTERNATIONAL LAW AND DIPLOMACY. (3) Spring of odd years. Major cases in international law which have helped to shape the present international system, and their relationship to diplomacy between nation-states. Prerequisite: POLS 202.

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 of even years. 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. Prerequisite: POLS 205.

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

650. PROBLEMS IN POLITICAL SCIENCE. (3) Offered on demand. Open to students wishing to concentrate, through research and special supervised reading, upon a particular problem.

SOCIAL SCIENCE (SOCS)

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.

561. SEMINAR IN THE SOCIAL SCIENCES. (3) Fall. An intensive analytical reading and research seminar in the social sciences.

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

603. DIRECTED READING IN THE SOCIAL SCIENCES. (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. Prerequisite: Consent of the department chairman. Qualified students may take this course three times in different areas.

DEPARTMENT OF KINESIOLOGY

Students who are emphasizing kinesiology in their Master's program are required to take KINS 601, 603, 606 and 607.

HEALTH EDUCATION (H ED)

508. SCHOOL HEALTH PROGRAM ADMINISTRATION. (3) Fall. The total school health program, including health services, health instruction, and healthful school environment. Staff and program assessment, enlistment of public support, and implementation of new ideas.

510. SCHOOL HEALTH INSTRUCTION. (3) Spring. 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. Preparation of 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 designed to provide prospective teachers with dual control simulation and multi-car laboratory teaching experience. The course includes teaching beginners, developing programmed lessons, and surveying methods and materials. Prerequisite: 511.

KINESIOLOGY (KINS)

501. ANATOMICAL KINESIOLOGY AND BIOMECHANICS. (3) Fall. Major muscle groups and their relationship to body movements. Activities which contribute to the functional development of major muscle groups. Prerequisite: BIOL 113 or consent of the instructor.

502. PREVENTION AND TREATMENT OF ATHLETIC INJURIES. (3) Fall. Prevention of athletic injuries; forms of therapy in the treatment of injuries common to athletics and activity. Fee: \$18.

504. MEASUREMENT AND EVALUATION IN HUMAN PERFORMANCE. (3) Fall. Acquaintance with testing devices in kinesiology and practice in their use. Students must pass a physical fitness test consisting of a 1-mile run, a sit and reach measurement, bent knee sit-ups, and skinfold measurements.

505. KINESIOLOGY ADMINISTRATION (K-12). (3) Fall, Summer. Organization and action of kinesiology and athletic programs. Personnel, schedules, equipment and facilities, records, budget and finance, legal aspects, publicity and public relations, athletic associations, eligibility regulations, contracts, and officials.

509. EXERCISE EFFECTS AND PRESCRIPTION FOR VARIOUS POPULATIONS. (3) Spring. Impact of exercise and activity on the prevention and treatment of illness along with fundamental concepts of exercise prescription for the development and maintenance of muscular strength and

endurance, flexibility, cardiovascular endurance and overall health for both normal and special populations.

515. ADAPTED PHYSICAL AND RECREATION ACTIVITIES. (3) Spring. Methods, techniques, screening and special programs for kinesiology and recreation activity for the atypical student.

530. ELEMENTARY KINESIOLOGY METHODS. (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.

567. COOPERATIVE EDUCATION. (13) See EdFd 567.

601. DIRECTED READING IN KINESIOLOGY. (3) Fall, Summer. Independent study of selected topics to fill any deficiencies or to strengthen the student's background in kinesiology.

602. DIRECTED READING IN HEALTH EDUCATION AND RECREATION. (3) Spring, Summer. 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 KINESIOLOGY, HEALTH EDUCATION, AND RECREATION. (1-3) Summer. The application of research methods and techniques to problems in kinesiology, health education and recreation.

604. RESEARCH. (1-3) Offered on demand. Supervised research in health, kinesiology 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. (3-6) See EdFd. 658.

DEPARTMENT OF MATHEMATICS (MATH)

506. FOUNDATIONS OF GEOMETRY. (3) Fall. 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 of even 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.

551. DIFFERENTIAL EQUATIONS. (3) Spring. 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. (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.

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 (MUS)

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. (2) Fall. Applied voice teaching techniques for individuals, small ensembles, and large ensembles.

511. MUSIC — ANTIQUITY THROUGH RENAISSANCE



SANCE. (3) Fall of even years. A historical survey of music up to the year 1600, with emphasis on literature, analysis, and the place of music in world culture.

512. MUSIC — BAROQUE AND CLASSICAL. (3) Spring of odd years. Music history, literature, analysis, and culture from 1600 to 1825.

513. MUSIC — ROMANTIC AND POST-ROMANTIC. (3) Fall of odd years. Manifestations of the Romantic spirit during the 19th century and into the period of the world wars.

514. MUSIC — THE MODERN ERA. (3) Spring of even years. Music of the 20th century, with emphasis on new developments and cultural awareness.

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

602. SPECIAL TOPICS IN MUSIC EDUCATION. (3) Offered on sufficient demand. Topics of individual interest which lie outside the normal curriculum. May be taken three times in different areas upon written recommendation of department chairman. Prerequisite: Consent of the instructor and department chairman.

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 (CHEM)

505. RESEARCH TECHNIQUES. (1 or 2) Fall, Spring. Inorganic, organic, analytical, radioisotope, physical, and biochemical research projects are 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: \$65.

511-512. PHYSICAL CHEMISTRY. (4,4) Fall, Spring. States of matter, thermodynamics, equilibria, kinetics, electrochemistry, spectroscopy, and quantum mechanics. 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: \$38.

544. SELECTED TOPICS. (1-4) Offered on demand. Topics are determined by student needs and interests and

instructor availability. May be repeated for additional credit as the topic changes.

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.

PHYSICS (PHYS)

512. ELECTROMAGNETIC THEORY. (3) Fall, Spring. 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: (nonrefundable) \$38.

525. THERMODYNAMICS AND STATISTICAL MECHANICS. (3) Spring of even 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) Spring of odd years. An introduction to the formulation of nonrelativistic quantum mechanics and its applications. Prerequisites: Math. 351, Phys. 301, or Chem. 412, or consent of the instructor.

544. SELECTED TOPICS. (3) Fall of odd years. 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.

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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 Bible and Dean of the College of Bible and Religion. 1978, 1990, 1996.

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Professor of Kinesiology. 1967, 1981.

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Professor of English. 1973, 1991.

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Professor of Mathematics. 1974, 1984.

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Professor of Communication. 1970, 1995.

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Associate Professor of Psychology. 1993.

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Professor of Kinesiology. 1970, 1989.

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Instructor of Art. 1995.

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Associate Professor of Bible. 1986, 1996.

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Professor of Spanish. 1973, 1990.

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Professor of Kinesiology and Research Associate. 1964, 1983.

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Professor of Family and Consumer Sciences and Curriculum Director of Harding Early Learning Center. 1968, 1969, 1989.

ELLEN DANIEL, Ed.D., C.F.C.S. (University of Georgia)
Associate Professor of Family and Consumer Sciences. 1992.

FAYE M. DORAN, Ed.D. (Pennsylvania State University)
Professor of Art. 1973, 1984.

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Professor of Education. 1974, 1989.

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Professor of Bible. 1975, 1996.

GARY D. ELLIOTT, Ph.D. (Kansas State University)
Professor of English. 1967, 1997.

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Professor of Communication. 1972, 1990.

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Distinguished Professor of Chemistry. 1960, 1971.

LEWIS "TONY" FINLEY, Ed.D. (University of Arkansas)
Professor of Education. 1984, 1994 → Dean of the School of Ed

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Assistant Professor of Chemistry. 1995.

JAN FORTNER, M.A. (Texas Tech University)
Instructor of History and Bible. 1994, 1996.

JOHN FORTNER, Ph.D. (Hebrew Union College-Jewish Institute of Religion)
Associate Professor of Bible, 1990, 1994.

STEVEN FRYE, Ed.D. (University of Arkansas)
Associate Professor of Communication. 1989, 1994.

SHANE FULLERTON, M.Ed. (Harding University)
Instructor of Kinesiology and Baseball Coach. 1996.

- CLIFTON L. GANUS III, D.M.A (University of Colorado)
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Professor of English. 1989, 1994.
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Instructor of Kinesiology. 1997.
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Professor of History. 1990, 1997.
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Assistant Professor of Physical Science. 1992.
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Associate Professor of Sociology. 1986, 1988.
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Professor of Political Science and Chair of History and Social Science Department. 1972, 1985, 1993.
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Professor of Bible. 1975, 1995.
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Professor of Art. 1979, 1996.
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Assistant Professor of History. 1994, 1995.
- WILLIAM T. LAMBERT, Ed.D. (University of Arkansas)
Professor of Bible. 1982, 1992.

- RAYMOND W. "DONNY" LEE JR., Ed.D. (Memphis State University)
Associate Professor of Education. 1998.
- THEODORE R. LLOYD, M.S. (University of Mississippi)
Professor of Kinesiology and Sports Information Director. 1964, 1983, 1990.
- LARRY R. LONG, Ph.D. (Ohio State University)
Distinguished Professor of English and Director of Honors Program. 1976, 1986, 1989.
- JAMES E. MACKEY, Ph.D. (University of Mississippi)
Professor of Physics. 1968, 1978.
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Associate Professor of Bible. 1996.
- WILTON Y. MARTIN, Ed.D. (University of Arkansas)
Professor of Recreation and Chair of the Department of Kinesiology. 1972, 1984, 1992.
- JOHN MOON JR., Ph.D. (Michigan State University)
Associate Professor of Biology and Chair of the Department. 1991.
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Assistant Professor of Biology. 1993.
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Associate Professor of Education and Chair of Elementary and Special Education. 1988, 1995, 1994.
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Professor of Bible and Director of Harding School of Biblical Studies. 1992, 1992, 1996.
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- BILL W. OLDHAM, Ed.D. (University of Northern Colorado)
Professor of Mathematics and Director of Mathematics Education. 1961, 1983, 1985.
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Professor of Education. 1986, 1995.
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Assistant Professor of Kinesiology. 1990, 1994.
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Professor of Art. 1971, 1989.
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Professor of Biology. 1970, 1985.
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Professor of Bible. 1974, 1991.
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Distinguished Professor of Mathematics, Assistant Vice President for Academic Affairs, and Dean of the College of Arts and Sciences. 1962, 1974, 1991.

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Professor of Kinesiology. 1989.
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Professor of Bible and Vice President for Academic Affairs. 1962, 1975, 1983.
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Assistant Professor of Family and Consumer Sciences. 1987, 1997.
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Instructor of Family and Consumer Sciences and Director of Didactic Program in Dietetics. 1989, 1996.
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Professor of Art and Chair of the Department. 1962, 1981, 1978.
- JOE T. SEGRAVES, Ph.D. (University of Kentucky)
Professor of History. 1963, 1977.
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Professor of Bible and Dean of International Programs. 1972, 1981, 1990.
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Professor of Music and Chair of the Department. 1972, 1987, 1993.
- JACK SHOCK, Ed.D. (University of Arkansas)
Associate Professor of Communication. 1985, 1995.
- STEPHEN W. SMITH, Ph.D. (Florida State University)
Professor of Mathematics and Chair of the Department. 1971, 1979, 1983.
- TERRY SMITH, M.S.W. (University of Arkansas at Little Rock) and M.Div. (Abilene Christian University) *Associate Professor of Social Work and Director of the Social Work Program. 1985, 1995, 1990.*
- THOMAS R. STATOM, Ph.D. (University of Alabama)
Professor of History. 1967, 1986.
- DAN STOCKSTILL, M.Th., (Harding Graduate School of Bible and Religion)
Assistant Professor of Bible. 1990.
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Professor of Education, ~~Director of Undergraduate Teacher Education and Chair of Secondary Education.~~ 1990, 1995, 1992.
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Professor of Psychology and Chair of the Department of Behavioral Sciences. 1974, 1982.
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Professor of Mathematics and Assistant to the Dean of the College of Arts and Sciences. 1985, 1990, 1987.
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Assistant Professor of Education. 1993.
- DANIEL C. TULLOS, Ph.D., CCC-SLP (Pennsylvania State University)
Professor of Communication. 1979, 1993.
- KEN TURLEY, Ph.D., (University of Texas)
Assistant Professor of Kinesiology. 1997.
- EUGENE UNDERWOOD, Ed.D. (East Texas State University)
Professor of English. 1970, 1985.
- DUANE WARDEN, Ph.D. (Duke University)
Professor of Bible and Associate Dean of the College of Bible and Religion. 1993, 1996.
- BETTY WORK WATSON, Ed.D. (Memphis State University)
Distinguished Professor of Elementary Education. 1968, 1986.

JOHN WILLIAMS, Ph.D. (Ohio University)

Associate Professor of English. 1992.

EDMOND W. WILSON JR., Ph.D. (University of Alabama)

Professor of Chemistry. 1970, 1979.

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Professor of Family and Consumer Sciences and Chair of the Department. 1971, 1991, 1984.

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Professor of French. 1968, 1980.

WINFRED O. WRIGHT, Dr. de l'Université (University of Toulouse)

Distinguished Professor of French and Chair of the Department of Foreign Languages and International Studies. 1966, 1976, 1970.

FLAVIL YEAKLEY, Ph.D. (University of Illinois)

Professor of Bible, Director of Outcomes Assessment and Director of Center for Church

Steps to Be Completed for M.Ed. and M.S.E. Degrees

These steps must be completed and are the responsibility of the student in approximately the order given:

1. File application for admission to the Graduate Office.
2. Forward one (1) official transcript to the Graduate Studies Office.
3. Submit a copy of one of the following items to the Graduate Studies Office: National Teacher Examinations scores, Miller Analogies Test scores or GRE general exam scores.
4. Receive admission form from the Graduate Studies Office.
5. Obtain permit for registration from Business Office each term before registering.
6. Counsel with the Director of Graduate Studies concerning the course of study.
7. Obtain Schedule Card (registration card) from the Director of Graduate Studies each term before registration.
8. File evidence of teaching certificate with the Graduate Studies Office. (Deficiencies may be made up concurrently with the graduate program.) (For M.Ed. degree only.)
9. If a thesis is to be written, special forms must be filed and arrangements made through the Director of Graduate Studies.
10. The semester before you plan to graduate, file "Request for Degree" in the Graduate Studies Office.
11. Pay graduation fee on registration day of the last semester before graduation to the Business Office.
12. File application for comprehensive examinations during the last semester of residence before deadline date given in catalog.
13. Counsel with instructors about scope of the comprehensive examinations.
14. Complete comprehensive examinations.
15. Complete all course work.

NOTE: To ensure 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.

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TENTATIVE

Fall Semester - 1999

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Class Work Begins	August 24
Miller Analogies Test	September 14
Deadline for Application for Comprehensive Examinations	September 24
National Teacher Examinations	To Be Arranged
Comprehensive Examinations	November 13
Thanksgiving Recess	November 21-27
Final Examinations	December 13-17
Graduation	10:00 a.m., December 18
Christmas Recess	Dec. 18 to Jan. 10, 2000

Spring Semester - 2000

Counseling and Registration	January 11
Class Work Begins	January 12
Miller Analogies Test	January 25
National Teacher Examinations	To Be Arranged
Deadline for Application for Comprehensive Examinations	February 25
Spring Recess	March 12-18
Comprehensive Examinations	April 15
Final Examinations	May 8-12
Graduation	10:00 a.m., May 13

Summer Term - 2000

Intersession Registration	May 15
Intersession Classes Begin	May 15
Counseling and Registration, 1st Session	June 5
Class Work Begins	June 5
Deadline for Application for Comprehensive Examinations	June 12
Miller Analogies Test	June 20
Final Examinations, 1st Session	July 7
Registration for 2nd Session	July 10
Class Work Begins, 2nd Session	July 10
Comprehensive Examinations	July 15
Final Examinations, 2nd Session	August 10
Graduation	10:00 a.m., August 11

HARDING

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