

# **The University of Louisiana at Monroe (USPS 395-480) Monroe, Louisiana**

## **Catalog of Graduate and Professional Programs 2006-2007**

EFFECTIVE WITH THE 2006 FIRST SUMMER SESSION THROUGH THE 2007 SPRING SEMESTER

**The University of Louisiana at Monroe Bulletin  
Volume LXXI, Number 1, April 2006**

Published by The University of Louisiana at Monroe  
700 University Avenue, Monroe, Louisiana 71209,  
Second Class postage paid  
at Monroe, Louisiana

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Failure to read this catalog does not excuse students from the requirements and regulations described herein.

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# UNIVERSITY CALENDAR

## 2006

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## 2007

<b>January</b> S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	<b>February</b> S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	<b>March</b> S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
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# THE ACADEMIC YEAR, 2006-2007

## SUMMER TERM, 2006

### FIRST SUMMER SESSION, 2006

#### MAY

29 Mon Memorial Day Holiday

#### JUNE

2 Fri Late Registration  
2 Fri Residence halls open for students  
5 Mon Classes begin, 7:30 A.M.  
6 Tue Final date for adding courses for credit or making course changes  
7 Wed Final date for making application for comprehensive examination and application for degree for August commencement  
12-16 M-F Preliminary examinations for doctoral students  
16 Fri Final date for removing "I" grades  
19 Mon Final date for filing field study, thesis, or dissertation with Graduate Advisory Committee  
20 Tue Final date for dropping courses or resigning from the University; a "W" grade is issued  
29 Thu Final Examinations

#### JULY

3 Mon Grades due on-line before 10:00 a.m., Term ends 12:00 noon  
3 Mon Final date for filing field study, thesis or dissertation with Graduate Studies and Research  
4 Tue Independence Day Holiday

### SECOND SUMMER SESSION, 2006

#### JULY

10 Mon Classes begin, 7:30 A.M.  
11 Tue Final date for adding courses for credit or making course changes  
17-21 M-F Comprehensive examinations for graduate students  
21 Fri Final date for removing "I" grades  
25 Tue Final date for dropping courses or resigning from the University; a "W" grade is issued

**FALL SEMESTER, 2006****AUGUST**

14-18	M-F	Faculty Development Activities
18	Fri	Residence halls open for paid students
21	Mon	Classes begin, 8:00 A.M.
23	Wed	Final date for adding courses for credit or making course changes

**SEPTEMBER**

4	Mon	Labor Day Holiday
5	Tue	Final date for making application for comprehensive examination and application for degree for December commencement
18	Mon	Final date for removing "I" grades

**OCTOBER**

4	Wed	Final date for filing field study, thesis, or dissertation with Graduate Advisory Committee
5-6	Th-F	Fall Holiday
9-11	M-W	Mid-Term Grading
9-13	M-F	Preliminary examinations for doctoral students
19	Thu	Final date for filing field study, thesis, or dissertation with Graduate Studies and Research
26	Thu	Final date for dropping courses or resigning from the University; a "W" grades issued
30-31	M, Tu	Comprehensive examination for graduate students

**NOVEMBER**

1-3	W-F	Comprehensive examination for graduate students
22-24	W-F	Thanksgiving holiday begins at NOON
27	Mon	Classes resume, 8:00 A.M.

**DECEMBER**

4-5	M, Tu	Final Examinations
6	Wed	Student Study Day
7-8	Th, F	Final Examinations
12	Tue	Grades due on-line before 10:00 a.m.
16	Sat	Commencement Semester ends, 12:00 midnight
18	Mon	University Offices closed from December 18 through Jan. 1, 2007

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NOTE: The cafeterias, dining halls, and residence halls will be closed during the Labor Day, Thanksgiving, Mardi Gras, Spring, and Fourth of July holidays and other periods when classes are not in session.

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### SPRING SEMESTER, 2007

#### JANUARY

2	Mon	University Offices Open
8-12	M-F	Faculty Development Activities
12	Fri	Residence halls open for students
15	Mon	Martin Luther King Day holiday
16	Tue	Classes begin, 8:00 A.M.
18	Thu	Final date for adding courses for credit or making course changes
30	Tue	Final date for making application for comprehensive examination and application for degree for May commencement

#### FEBRUARY

12	Mon	Final date for removing "I" grades
19-21	M-W	Mardi Gras holidays
22	Thu	Classes resume, 8:00 A.M.

#### MARCH

5-7	M-W	Mid-term Grading
5-9	M-F	Preliminary examinations for doctoral students
9	Fri	Final date for filing field study, thesis or dissertation with Graduate Advisory Committee
23	Fri	Final date for filing field study, thesis, or dissertation with Graduate Studies and Research
23	Fri	Final date for dropping courses or resigning from the University; a "W" grade is issued
27-30	Tu-F	Comprehensive examinations for graduate students

#### APRIL

6-13	F-F	Spring holiday
16	Mon	Classes resume, 8:00 A.M.

#### MAY

7-8	M,Tu	Final Examinations
9	Wed	Student Study Day
10-11	Th,F	Final Examinations
15	Tue	Grades due in Office of the Registrar before 10:00 A.M.
19	Sat	Commencement, 2:00 P.M. Semester ends, 12:00 Midnight

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NOTE: The cafeterias, dining halls, and residence halls will be closed during the Labor Day, Thanksgiving, Mardi Gras, Spring, and Fourth of July holidays and other periods when classes are not in session.



**SUMMER TERM, 2007**

# **GENERAL INFORMATION**

**PURPOSE/MISSION OF THE UNIVERSITY**

universities be changed from the Louisiana State Board of Education to the Board of Trustees for State Colleges and Universities effective May, 1975.

The Graduate School was established in 1961 to offer master's degrees. In the Fall of 1967 the Education Specialist degree was first offered and in 1983 the Specialist in School Psychology degree was added. The Graduate School established the Doctor of Philosophy degree in Pharmacy in December of 1967. In 1993 the Office of Research and Projects and the Graduate School were merged forming the Office of Graduate Studies and Research. This reorganization was implemented to more effectively support scholarly activities of faculty and students. In 1994, Northeast Louisiana University, in cooperation with Louisiana Tech University and Grambling State University, formed the Louisiana Education Consortium, to offer the Doctor of Education degree at each campus. In the Fall of 1996, the Doctor of Philosophy in Marriage and Family Therapy was first offered. On August 27 of 1999, the University officially changed its name to the University of Louisiana at Monroe.

The student body at the University was approximately 9,275 students for the Fall Semester of 2005. Enrolled are students from every parish in Louisiana, along with many other states and foreign countries.

## **LOCATION**

The University of Louisiana at Monroe's campus, one of the state's most attractive, is located in the eastern part of Monroe, a city whose metropolitan area population of approximately 150,000. Beautiful Bayou DeSiard flows through the 238-acre, tree-shaded site.

The city of Monroe is located mid-way between Shreveport, Louisiana and Vicksburg, Mississippi. It is readily accessible from all sections of Louisiana and neighboring states. The University is located on U.S. Highway 80, within four blocks of U.S. Highway 165 North and two miles of Interstate 20. Monroe Regional Airport, three miles east of the University, is served by Continental Airlines, Delta Airlines and Northwest Airline/Northwest Airlink. Monroe city bus lines serve the University area.

Monroe's Civic Center, Strauss Playhouse, Masur Museum, West Monroe's Convention Center, and the local parks offer cultural and popular programs, including sports events of all kinds. The beautiful Ouachita River, Bayou DeSiard, and many nearby lakes offer opportunities for fishing, boating, skiing, swimming, and picnicking.

## **ACCREDITATION AND PROFESSIONAL AFFILIATION**

The University of Louisiana at Monroe is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award associate, bachelor's, master's, educational specialist and doctoral degrees. The teacher-preparation programs at the bachelor's, master's, and doctoral degree

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level are accredited by the National Council for Accreditation of Teacher Education. See specific programs of study for discipline-specific accreditations.

In addition to membership in national accrediting agencies the University also holds membership in the following professional non-accrediting agencies: American Association of Colleges for Teacher Education, American Association of Colleges of Pharmacy, American Association of Colleges of Nursing, American Association of State Colleges and Universities, American Council on Education, Conference of Southern Graduate Schools, American Council for Construction Education, and Council on Collegiate Education for Nursing of the Southern Regional Education Board.

The American Association of University Women, of which the University is a corporate member, admits women graduates of the University of Louisiana at Monroe to national membership.

### TUITION AND REQUIRED FEES

**TUITION** - All students pay a general tuition based on total student credit hours of enrollment. Undergraduate students enrolled in more than six credit hours and graduate students enrolled in more than three credit hours and are classified as non-Louisiana residents under the regulations of the University of Louisiana System Board of Supervisors will pay out-of-state tuition in addition to general tuition. Courses enrolled for audit will be charged tuition the same as courses for academic credit.

**UNIVERSITY ASSESSED FEES** - Based on the number of hours enrolled, this charge includes the building fee, registration service fee, academic enhancement fee, institutional assessment fee, Alumni Association, band travel, concert fee, Student Health Center, intramurals, University Library, student short-term loan fund, natatorium maintenance, and theater productions.

**STUDENT ASSESSED FEES** - Students enrolled are charged fees in support of the Activity Center, Speech and Debate Team, KXUL, Natatorium, Student Government Association, Student Involvement Scholarship, Student Publications, Student Union, Union Board, Union Board Concerts, Water Ski Team, ULM Flight Team, ULM Spirit Units, and ULM Theatre Productions.

**TECHNOLOGY FEE** - The Student Technology Fee shall be five dollars (\$5) per credit hour for up to 12 credit hours per semester. This fee is dedicated to the acquisition, installation, maintenance, and intelligent use of state-of-the-art technology solely for the purpose of supporting and enhancing student life and learning.

**ID FEE** - All students are required to obtain a permanent ULM Identification Card. A validation fee of \$10 each regular semester and a \$5 fee for each summer term will be charged. Students who resign from the University are expected to keep their ID cards for use upon returning. A \$10 fee will be assessed for a replacement card.

## **COSTS**

The University of Louisiana System Board of Supervisors may adjust tuition, fees, costs for dining plans and/or housing at any time without providing notice to students.

ADD \$5.00 PER CREDIT HOUR UP TO \$60.00 TOTAL IF TAKING MORE THAN 9 SEMESTER HOURS

\*Full time graduate assistants will be granted a tuition waiver in the amount of \$372.00.

NOTE: The fees above do not include the parking decal fee of \$10

## **OTHER EXPENSES**

**TEXTBOOKS.** All textbooks used at the University are available at the University Bookstore located in Sandel Hall on campus. Estimated cost for fall and spring terms with a 12-hour schedule is \$350-\$400 while summer costs are estimated at \$170-\$200 with a 6-hour schedule. The Bookstore operates a buy-back system at the end of the semester when up to 50% of the original cost may be received for the book, providing there is need for that book. Visit the Bookstore website (<http://ulmbookstore.com>) to buy or reserve your books online. A good selection of other merchandise is also available through the site.

**FIELD TRIP FEES.** Certain courses require trips away from the campus. Specific fees for these courses will be announced at the beginning of the semester or summer session.

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Department of Justice for collection and will carry the collection fee as specified in the promissory note or \$100, whichever is larger.

### REFUND POLICY\*

A student who resigns from the University under the conditions listed below may receive a partial reduction of **regular tuition, out-of-state tuition and student activity fees**. The student must officially resign through the Office of the Registrar not later than the fifteenth (15) day of classes in a regular semester or the seventh (7) day of classes in a summer session to be eligible for a reduction of fees. Refunds will be computed as follows:

1. A 100% refund will be made when a student completes resignation prior the first day of classes as listed in the University calendar.
2. A 90% refund will be made when a student completes resignation during the period of the first through the eighth day of classes in a regular semester.
3. A 50% refund will be made when a student completes resignation during the period of the ninth through the fifteenth day of classes in a regular semester.

Students resigning with disciplinary action pending or those suspended for disciplinary reasons are not eligible for refunds.

Refunds will be applied to any existing indebtedness to the University prior to disbursement to a student.

### INDIAN EXPRESS

Indian Express is a voluntary debit card system using the ULM ID to provide fast, safe, and convenient way to make purchases all over campus. It is safer than cash and more convenient than checks or credit cards. Using the ULM photo ID reduces the risk of theft.

Indian Express accounts may be closed at any time by spending the balance down to zero; otherwise, accounts roll over from semester to semester until the student graduates or resigns. Cash withdrawals cannot be made from the accounts.

After funds are deposited into the Indian Express account, the funds can be used at numerous locations on campus: Bookstore, Concession Stands, Athletic Events, Convenience Store, Cafeterias, Coffee Shop, Union Board Events, Library, Washers/Dryers, Vending Machines. When purchases are made, the remaining balance will be electronically displayed so students will always know how much money remains in their account.



# PHYSICAL FACILITIES

## THE UNIVERSITY LIBRARY AND CONFERENCE CENTER

The purpose of the University Library, as adopted by the Library Faculty, is to support the teaching, research, and service programs of the University. This shall be accomplished through instruction, networking, and access using the appropriate technology, acquisition, organization and maintenance of necessary information resources. The University Library shall also provide the optimum learning environment for its diverse users.

The Library is centrally located on the University campus beside the bayou. It is readily accessible from all campus housing and classroom buildings.

The resources of the library include 647,785 print volumes, including 200,742 state and federal documents, 1,600 journal and newspaper subscriptions, and 614,669 volumes in microformat. The Library is a member of AMIGOS, which enables cataloging and bibliographic verification and interlibrary loan via computer terminals connected on-line to the system headquarters. NEON, the Library's electronic catalog, is part of LOUIS, the Louisiana Library network. Being part of LOUIS, the library has access to EBSCOhost which provides access to over 10,000 full-text electronic journals. In addition, LOUIS provides access to other bibliographic and abstracting sources via the Web. We also provide access to more than 26,000 electronic books via netLibrary.

All are welcome to use the resources of the Library. To borrow library materials, one must have a valid ID card, be enrolled in a cooperative program offered by other institutions, become a member of the Friends of the Library organization, or acquire an Alumni Honorary Card.

Housed on open shelves, the Library's resources are located on 5 floors.

The general book collection and bound serials are interfiled by Library of Congress Call Number and housed on floors 2 - 5.

The first floor houses the reference materials and unbound serials. Also on this floor are the following service areas: Reference, Circulation, Interlibrary Loan, and Serials.

On the second floor are the uncataloged federal and state government publications, Government Publications and Media Services Departments.

The third floor houses Computer Services which maintains a 60 station personal lab.

On the fourth floor are library administration offices, Technical Services, and the Friends Bell Tower Books.

The fifth floor houses the Special Collections Department and the Monroe Garden Study League Book Room.

Thirty-eight group study rooms are available for groups of from four to eight people.

During the academic year, the Library is open from 7:30 a.m. until 12:00 midnight, Monday through Thursday; from 7:30 a.m. to 4:30 p.m. Friday; from 9:00 a.m. to 3:00 p.m. on Saturday and from 2:00 p.m. to 12:00 Midnight on Sunday. Holiday schedules are announced.

The Library staff includes 13 professionals and 14 paraprofessionals.

Housed on the seventh floor of the University Library is the University Conference Center which is used by the faculty, staff, students, and community to conduct seminars, conferences, lectures, and other meetings. The University Conference Center hosts important academic gatherings for the University



Center will also custom design specialized training classes to meet exact application needs for a specific business.

College of Business Administration Dean's Office (318) 342-1100  
The Col. William T. Hemphill Airway & Computer Science Building 308

### **Dental Hygiene Clinics**

The unit provides clinical experience for dental hygiene students. Emphasis is placed on improvement of instrumentation, radiographic skills, total patient care, and practice management skills.

Ms. Sharon Chaney, Clinical Coordinator (318) 342-1627  
Caldwell Hall 124

### **Digital Media Studio**

The Digital Media Studio is a highly specialized multimedia studio for College of Education and Human Development students. It houses ten I-Mac GS computers, scanners, digital still and video cameras, and presentation equipment. The studio, staffed by graduate students from the college, enables students to create and develop digital portfolios and multimedia presentations.

Dr. Thilla Sivakumaran, Director (318) 342-1270  
Strauss Hall 266

### **Doctoral Research Center**

The center provides a technology-rich environment for group and individual research, video conferencing, and media-based presentations. The area is also used for seminar and doctoral level committee meetings and consultations.

Dr. Bob N. Cage, Coordinator (318) 342-1288  
Strauss 154-B

### **Family Resource Center (Family Life Center)**

The Center provides information and materials relating to the family and family problems. Experts in home economics can share their knowledge with area families. Workshops are held to train day care center directors and workers.

The Center's programs focus primarily on preventive approaches and serves as a clearinghouse for information and services from other resources that are also available to families.

A parenting program designed to prevent child abuse is sponsored by the unit through the Louisiana Children's Trust Fund.

Emily Williamson and Peggy Buffington (318) 342-5437  
Filhiol 203

### **Human Performance Laboratory**

This laboratory serves as an integral part of the science core curriculum for

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Students and faculty use the facilities for research and the laboratory provides a comprehensive fitness testing program to the University and the community.

Dr. Lisa Colvin, Director (318) 342-1310  
Ewing Coliseum 50-C

### **Institute of Corrections and Juvenile Justice**

The Institute is charged with providing continuing education and training, beyond basic jailer training, to corrections personnel in public and private corrections agencies. It also has the responsibility to initiate, coordinate, and conduct special programmatic activities related to juvenile and adult correctional populations. The jurisdiction includes Arkansas, Louisiana, and Mississippi, although personnel from other areas are invited to attend training sessions.

Dr. Stacy Moak, (318) 342-1404  
Stubbs 207

### **Institute of Gerontology**

This Institute conducts research and provides in-service training for those in the fields of health and social services and maintains community service programs to meet the specialized needs of older persons. A quarterly newsletter is distributed to interested persons on current issues in aging, special events of interest, and course offerings.

The Institute further offers academic courses through a multidisciplinary spectrum to develop students for work with older adults. The unit encourages research related to the aging process.

Dr. Jay Bulot, Head, Gerontology Program, (318) 342-1430  
Stubbs Hall 104

### **Institute of Law Enforcement**

The Institute is charged with the responsibility of providing continuing education and training, beyond basic certification and re-certification training, for law enforcement personnel. Its jurisdiction includes Arkansas, Louisiana, and Mississippi. Personnel from other areas may also attend training sessions. The unit determines training needs and schedules and conducts training sessions utilizing qualified instructors.

Mr. Leonard D. Yielding, Director, (318) 342-1440  
Stubbs 210

### **Louisiana Drug Information Center**

The Louisiana Drug and Poison Information Center is a collaborative project between the University of Louisiana at Monroe College of Pharmacy and the Louisiana State University Health Sciences Center in Shreveport. The Poison Information Center provides 24-hour information about poisons in the home and workplace. The Center is staffed by trained specialists in poison information, providing prompt assistance, especially in emergencies. The staff also has a list

of referral telephone numbers to call for drug-related suicide attempts or other calls for help.

The Center is a resource for health professionals and citizens requiring information on health effects related to occupational exposures, handling of hazardous materials, chemical spills, or any emergency chemical exposure.

The Drug Information Service provides professional consultation to pharmacists, physicians, consumers, and others throughout the state. Answers are provided for a variety of questions including those related to drug therapy, disease and general health information, and drug policy management. The Drug Information Service coordinator participates in several classes in the College of Pharmacy and provides a Drug Information Rotation for senior pharmacy students. The Drug Information Service is open Monday through Friday from 8 AM to 4:30 PM, and the Coordinator is on-call at other times.

The Emergency Poison Line for Louisiana is 1-800-256-9822.

### **Louisiana Institute of Toxicology**

The Institute of Toxicology was established on the campus of ULM by the Louisiana Board of Regents as a state resource for information on the adverse health effects of drugs and environmental chemicals. The Institute provides comprehensive educational programs in toxicology, conducts nationally recognized toxicology research, and sponsors public forums addressing environmental issues relevant to the region and nation.

Dr. H. M. Mehendale, Director, (318) 342-1691  
Sugar Hall 306

### **Marriage and Family Therapy Clinic**

The Clinic provides therapy services in the areas of family issues which include child focused problems, marital conflicts, spousal abuse, substance abuse, mental illness, marital issues, individual issues, and divorce mediation. The Clinic serves northeast Louisiana, Arkansas and Mississippi.

Dr. Lamar Woodham, Director, (318) 362-3008  
3404 Bon Aire Drive

### **ULM Community Counseling Center**

The Center is designed to provide counseling and substance abuse counseling services to the general public. The services are provided by advanced graduate students under the supervision of a faculty member.

Dr. Charles Pryor  
Strauss 307, (318) 342-1246

### **North Delta Regional Training Academy**

The Unit was established to provide basic training for peace officers. It schedules and conducts classes to meet needs as mandated by the Police Officer Standards and Training Council (POST). The Academy coordinates with the directors of the Institute of Corrections and Juvenile Justice and the Institute of Law Enforcement and assists them in matters of mutual concern.

Mr. Donald P. Stewart, Director, (318) 362-5558  
500 Natchitoches St.  
West Monroe, LA



students have the opportunity to acquire a focus in entrepreneurship as a part of their graduate studies.

**RESEARCH.** The ESC encourages and supports faculty development, research and publication in the area of entrepreneurship and small business.

**OUTREACH.** The ESC sponsors two major outreach programs, the ULM Small Business Development Center and the ULM Small Business Institute.

### **Small Business Development Center (SBDC)**

The SBDC provides management and technical assistance to entrepreneurs and owners of existing businesses in northeast Louisiana through continuing education, one-on-one counseling and technical assistance. Additionally, the Center serves as an information resource center.

Workshops and seminars keep small businesses informed on current events and changing trends in the business world. The Center houses business publications, statistical data, census figures, and start-up manuals. A computerized information base with a national networking capacity is also maintained.

### **Small Business Institute (SBI)**

The SBI provides small business owners with volunteer consulting services from ULM graduate students and seniors under the direction of qualified ULM staff and faculty. The primary objectives are to provide high quality management and technical assistance as well as provide to students an opportunity to apply knowledge gained in the classroom. Consultants are available in the areas of financial strategy development, advertising strategy development, valuing going concerns, marketing research, marketing strategy development, production management, bookkeeping systems, and logo development.

Dr. Paul Dunn, Director, (318) 342-1224  
Administration Building 2-123

### **Soil-Plant Analysis Laboratory**

The Laboratory provides soil, plant, and water analysis. Tests can be run for pesticide and herbicide residues, soil fertility, nutrients in plant tissue samples, seed germination and vigor, lime content, and fertilizer analysis. The Laboratory also performs grain and forage analysis, microbiological testing, and wastewater testing.

Environmental analysis includes work done for the oil and gas industry, including work on field pit closures, leaks in underground gasoline storage tanks, and Environmental Protection Agency Priority Pollutants Testing.

The unit serves the industrial and agricultural communities in northeast Louisiana and is the only soil and plant analysis lab located on a university campus in north Louisiana to offer a full range of such services.

Ms. Debbie Brotherton, Director, (318) 342-1948  
Chemistry and Natural Sciences Building 117

### **Speech and Hearing Clinic**

The Clinic provides quality speech, language, and hearing services to children and adults throughout northeast Louisiana. It allows students to conduct applied clinical research and complements academic instruction which prepares students to enter practice in diagnosis and management as speech-language

pathologists. The students' clinical experience is supervised by ASUA certified personnel. Interested individuals may contact the clinic for additional information.

## **MUSEUMS AND GALLERIES**

### **Bry Art Gallery**

Art exhibits change monthly and feature all types of studio media including paints, drawings, prints, sculpture, photography, and ceramics. Exhibits are primarily by professional artists with some students shows throughout the year. The Gallery features an art show by area children each May. Open weekdays 8:00 a.m. to 4:30 p.m. Closed weekends and holidays. Admission is free.



collection which features at least one art work from each year since. The permanent collection provides a history of ULM in the various art forms.

Open daily including holidays 8:00 a.m. to 10:00 p.m. Admission is free.

112 Delano Drive (next to Strauss Hall)  
Telephone (318) 343-2944

## **CAMPUS HOUSING**

ULM has a total of three residence halls. Also, there is Bayou Village Apartments, which are fully-furnished.

Ouachita Hall for women students is located on the west side of Bayou DeSiard. Madison Hall for male students is also located on the west side of Bayou DeSiard. Masur Hall, our co-ed hall, is located on the east side of Bayou DeSiard.

Two dining facilities are located on campus. Schulze Cafeteria is located on the east side of Bayou DeSiard. The Wigwam Food Court, a stand alone facility, is located on the west side of the Bayou.

## **SERVICES FOR STUDENTS WITH SPECIAL NEEDS**

The University Counseling Center offers a number of opportunities to students with special needs. Whether a physical limitation or a learning disability, the Center works with the student to eliminate or lessen these obstacles to their education. Services of the Center include the provision of support to students with permanent or temporary exceptionalities, individual counseling, assistance with academic accommodation recommendations to students and faculty, in addition to heightening the awareness of the issues associated with special needs obstacles to name but a few. Housing accommodations as well as designated parking for these students are facilitated by this and other departments on the campus.

## **PARKING PROCEDURES FOR STUDENTS WITH SPECIAL NEEDS**

Students with special needs are provided accommodated parking on the university campus. The student, upon documentation of the special need, is assigned a Special Needs Parking Pass by the University Police Department. Procedures to secure a Special Needs Pass can be obtained at the University Counseling Center.



## **GRADUATE DEGREE PROGRAMS**

# **GRADUATE SCHOOL REGULATIONS**

## **POLICIES AND PURPOSES**

The Graduate School was established to provide opportunities for improving professional competency through advanced study and research, for promoting the welfare of the society in general by developing a broader, deeper understanding of human knowledge, and for preparing for further graduate study. To implement such opportunities, the University offers the student the daily use of its library and laboratories and interaction with experienced scholars. Graduate students assume significant responsibility in selecting a specialized program that will best meet their particular needs.

## **The Research Council**

The Research Council was formed to enable a cadre of faculty with significant research experience and achievement to assist in the review and implementation of campus research issues. Working with the Director of Graduate Studies and Research, the Research Council serves to assess and implement initiatives which foster successful faculty and student research endeavors.

## **Members of the Research Council**

College of Arts & Sciences

Dr. Tom Sasek

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member who meets a special departmental or school need, and who is judged by the Graduate Council, the Director of Graduate Studies and Research, and the Vice President for Academic Affairs to be qualified for a specific function.

An Associate Member may teach graduate level courses and/or may serve as a member of graduate committees. An Associate Member may not direct field studies, theses, or dissertations, and may not serve as major professor on a graduate advisory committee.

Graduate faculty members are listed in this document along with additional graduate faculty information. Associate Members are identified in their respective department with an asterisk preceding their name.

### DEGREES

Degrees may be earned in the majors listed below. Information on each program can be found in the **Fields of Study** section beginning on page 47.

Biology (M.S.)  
Business Administration (M.B.A.)  
Communication (M.A.)  
Communicative Disorders (M.S.)  
Counseling (M.Ed.)  
Criminal Justice (M.A.)  
Curriculum and Instruction (M.Ed., Ed.D.)  
Early Childhood Education Grades PK-3 (M.A.T. [Alternative Certification])  
Educational Leadership (M.Ed., Ed.D.)  
Educational Technology Leadership (M.Ed.)  
Elementary Education Grades 1-5 (M.A.T. [Alternative Certification])  
English (M.A.)  
Exercise Science (M.S.)  
Gerontology (M.A.)  
History (M.A.)  
Marriage and Family Therapy (M.A., Ph.D.)  
Multiple Levels GR K-12 (M.A.T. [Alternative Certification])  
Music (M.M.)  
Pharmaceutical Sciences (M.S.)  
Pharmacy (Ph.D.)  
Psychology (M.S.)  
School Psychology (S.S.P.)  
Secondary Education Grades 6-12 (M.A.T. [Alternative Certification])  
Special Education (M.Ed.)  
Special Education Mild/Moderate Grades 1-12 (M.A.T. [Alternative Certification])  
Substance Abuse Counseling (M.A.)

A Certificate in Gerontological Studies is offered through the Department of Gerontology and Sociology. Program requirements may be found in the **Fields of Study** section for that department.

### STUDENT RESPONSIBILITY

All universities establish certain requirements, which must be met before a degree is granted. These requirements concern courses, majors and minors, and

residence. Major professors, department heads/directors, and deans will help a student meet these requirements, **but the student is responsible for fulfilling them.** Upon completion of the course work, personnel of the University will determine whether or not the student receives a degree. If the requirements have not been met, the degree will not be awarded until such time as they have been met. For this reason it is important for each student to be acquainted with the degree requirements and to keep informed while enrolled at the University.

Also, it is necessary in the general administration of the University to establish broad policies and to lay down certain regulations and procedures by which they may be carried out. It is important that a student understand the policies and know the regulations and procedures one is expected to follow.

The catalog is presented, therefore, not only to enable prospective students and others to learn about the University of Louisiana at Monroe, but also to state policies, requirements, regulations, and procedures in such form as will help the student progress through school. Graduate students are expected to assume responsibility for becoming fully acquainted with and abiding by the regulations and requirements of the Graduate School.

## PROCEDURE FOR APPLYING FOR ADMISSION TO THE GRADUATE SCHOOL

All correspondence concerning admission to the Graduate School should be directed to the Office of Graduate Studies and Research.

An applicant for admission to the Graduate School must:

1. satisfy all general admission requirements of the University;
2. hold a bachelor's degree from a regionally accredited college or university earned under residence and credit conditions substantially equivalent to those required by the University of Louisiana at Monroe (international students see page 33 of the current Graduate Catalog);
3. submit to the Office of Graduate Studies and Research a complete and official transcript from **each** college or university attended;
4. submit the results of the Graduate Record Examination (GRE) General Test. Applicants for the master's degree in business administration will submit results of the Graduate Management Admission Test (GMAT). Admission to the Graduate School does not automatically admit an applicant to a degree program. Admission requirements to specific degree programs vary and some require the test scores listed above as well as specific undergraduate/graduate grade point averages, satisfactory Test of English as a Foreign Language (TOEFL) score, auditions, interviews, committee reviews, and other requirements. No particular level of academic performance or test score will guarantee acceptance or rejection to any or all degree program(s).

The GRE and TOEFL tests, administered by the Educational Testing Service, are scheduled at the University of Louisiana at Monroe and various centers throughout the United States as well as internationally on regularly established dates. Applications may be obtained from the Educational Testing Service, Princeton, New Jersey, from the Director of Testing, or from the Office of Graduate Studies and Research at the University of Louisiana at Monroe and must be returned to Princeton according to the calendar published by Educational Testing Service.

New international students are tested for English language proficiency before classes begin. An international student may apply for exemption from the ULM English proficiency test if the student has attended four academic years and graduated from a U.S. regionally accredited college or university, or has submitted an official minimum TOEFL score of 600, or has submitted a satisfactory passing score in English language on the University of Cambridge/London G.C.E. examination, or a score of 85 on the Michigan Test.

The application for admission to Graduate School and all supporting documents should be on file 30 days prior to registration. Any student submitting credentials less than 30 days in advance of registration should contact the Office of Graduate Studies and Research concerning appropriate action taken on the application for admission. Provisional status to some programs may be granted applicants who are in the process of obtaining official transcripts or Graduate Record Examination(GRE)/Graduate Management Admission Test (GMAT) scores.

An applicant who does not enroll in the term for which he/she is submitting an application will be permitted registration for no more than six terms (first and second summer sessions considered one term). After six terms of no enrollment, applicant will be required to reapply and submit recent credentials.

Applicants who enroll and maintain academic eligibility will remain eligible for registration until there is a lapse of enrollment for six consecutive terms or until graduation, whichever occurs first.

## **GENERAL REQUIREMENTS FOR ADMISSION TO THE GRADUATE SCHOOL**

**REGULAR STATUS.** Applicants may be admitted to the Graduate School on regular status if they have earned a baccalaureate degree from a regionally accredited institution with a grade point average (GPA) of 2.5 on all undergraduate work pursued based on a 4.0 scale, have met undergraduate prerequisites for their major and minor fields, have met departmental admission requirements, and have submitted satisfactory GRE/GMAT scores. The minimum requirements for regular status are TWO of the following:

- Minimum GRE (verbal + quantitative) score of 750 or GMAT of 450 (MBA





## **ADMISSION OF INTERNATIONAL STUDENTS**

International students must submit the following application materials before eligibility for admission can be determined:

1. Application for admission with the application fee attached
2. Financial statement signed by student and sponsor
3. Proof of Immunization Form
4. Official TOEFL score of no less than 600 (paper-based test) or 173 (computer-based test)
5. Complete and official transcripts (native language and English translation) of all university work (Certificate or degree earned must be equivalent to

## **ELIGIBILITY TO REMAIN IN THE GRADUATE SCHOOL**

The Director of Graduate Studies and Research will deny further continuance in graduate work to any graduate student who meets one or more of the following conditions:

- Any grade lower than C
- a graduate GPA that falls below 3.0.

## **APPEALS FOR ADMISSION OR READMISSION**

A graduate student who is denied admission to or further continuance in the Graduate School or a specific graduate degree program may appeal to the Graduate Council for admission or readmission. The following supportive information must be provided:

1. A personal letter of appeal from the student. In this letter, the student should build his/her case for admission/readmission.
2. The student's scores from the Graduate Record Examination (General Test) or the Graduate Management Admission Test (MBA only).
3. Three letters of support from those (especially professors) who can attest to the student's scholarly ability and potential.

during any single summer session is seven semester hours; the minimum for a full-time student is four semester hours.

## **GRADING SYSTEM**

Grades and the grading process are major components of a university's academic standards. An important professional obligation of university faculty is the determination of grades. Grades accomplish two essential purposes: (1) they communicate to the academic community and to the community at large a certified level of academic achievement, and (2) they provide realistic and reliable feedback for students to use in evaluating individual progress and making decisions about future behavior.

Prerequisites to effective grading are (1) appropriate scope, depth, and degree of difficulty for each course; (2) controls to ensure that students have proper academic qualifications for enrolling in each course; and (3) adequate measures of performance. Taking into account all students who would properly and typically enroll in a given course (not just those in one course), faculty members assign grades according to the following general guidelines:

- A — EXCELLENT
- B — AVERAGE
- C — BELOW AVERAGE
- D & F — FAILURE

recorded, the I grade cannot be removed. This requirement does not apply for field study, thesis, dissertation, directed study, independent research, or recital courses.

Grades (other than I grades and IP) that have been submitted to the Registrar's Office can be changed only by a letter of explanation certifying that an error has been made by the instructor. This certification of error will not be valid unless approved by the instructor's department head and the instructor's academic dean. A request for a final grade change must be initiated by the instructor within 30 days after the end of the semester or term in which the grade was earned.

Instructors are encouraged to abide by the University Calendar by offering courses within the established enrollment period dates to avoid the issuance of IP grades. Instructors must discuss in advance with the Registrar the reasons for the award of IP grades. Valid reasons for considering the issuance of IP grades may be when an instructor anticipates that either the nature of a specific graduate

## **DROPPING AND ADDING COURSES**

Students will not be admitted to any class unless the instructor has received a roster or notice indicating proper registration from the Registrar.

Students will not be permitted to drop or add courses or make section changes after their registration is complete except on the advice and consent of the student's major professor, the head of the department in which the student is registered, and the head of the department in which the course or courses affected are offered.

A schedule change slip must be used, and the proposed change is not official until the slip is completed with the proper approvals indicated and filed with the Registrar's Office. A grade of F will be assigned to a student who withdraws from a course at any time without following this procedure. With permission, a student may drop any subject with a notation of W (withdrawn from class) within the time limit specified in the University calendar. Withdrawals during that period carry no penalties.

## **COURSE DROP AND RESIGNATION POLICY**

Students may drop courses or may resign (when class load drops to zero hours) from the institution with grades of W prior to a date specified in the official University Calendar. After that specified date, students may not drop a course or resign. Students who have extraordinary cases with extenuating circumstances may submit a letter of appeal, along with documentation to substantiate the case to the Director of Graduate Studies and Research. Extraordinary cases do not include dissatisfaction with an anticipated grade or the decision to change a major.

Approval of an appeal for dropping a course or resigning after the published date may be granted by the Director of Graduate Studies and Research for reasons stated below and only if the reason can be officially documented to show direct due cause. If approval to drop a course is granted, the student must also have been passing the course immediately prior to the hardship, and must have applied for the approval immediately after the hardship or illness ended. The grade assigned shall be a W. If the Director allows the student to resign, a W grade shall be assigned in all courses. If the appeal is approved, the Director will notify the instructor and the registrar. Examples of appealable cases are as follows:

1. **Illness/Injury**—The student must provide a letter on official stationery from the attending physician stating that the illness or injury will render the student unable to complete the course, or will cause the student to miss a significant number of days so as to make it difficult to complete the course. A hospital bill may also be used.
2. **Death of an immediate family member** which caused undue hardship and renders the student incapable of completing the course—The student must provide a copy of the death certificate, obituary stating relationship to the deceased, or letter from the attending clergy.
3. **Natural disaster or exceptional traumatic event** (documentation will be required)—The student must provide a written explanation of extenuating circumstances providing this event causes the student undue hardships.
4. **National Defense**—The student must provide a copy of official military orders.

Grades of F will be assigned to students who do not complete the enrollment period and who have not officially dropped their courses or resigned.

An appeal for a change in official academic records must be made no later

## **REQUIREMENTS FOR GRADUATE DEGREES**

Degree requirements are usually completed under the policies and regulations listed in the Graduate Catalog in effect at the time of admission. However, and with departmental approval, the Graduate Catalog in effect during the semester in which degree requirements are completed may be used.

All students seeking an advanced degree must adhere to the regulations discussed in this section. Departments may have additional specific degree requirements that students must meet to receive an advanced degree.

Each student who expects to take comprehensive examinations and/or graduate must file an application to take the comprehensive examination and/or to graduate with the Director of Graduate Studies and Research by the date indicated in the University Calendar for the semester or summer term in which the degree is to be awarded.

To fulfill the course requirements for a master's degree, the candidate shall present an average of not less than B on all graduate work pursued and all work in the major field, with no grade lower than C and not more than six semester hours of credit with a grade of C.

The candidate must pass a comprehensive final examination in both the major and related areas or minor. This examination may be written or both oral and written. Comprehensive examinations are not required of candidates for the Master of Business Administration degree.

A candidate for the Master of Education or Master of Music degree with a specialty area in Music Education must hold a valid teacher's certificate issued by the Louisiana State Department of Education or its equivalent. The only exceptions to this regulation are the candidates for the Master of Education degree with majors in Counseling and Non-School Emphasis in Educational Technology Leadership.

Regulations governing degree requirements for doctoral programs are detailed within program descriptions for individual doctoral programs of study.

All candidates who are to receive degrees are required to be present at commencement exercises for the conferring of the degree unless the Director of Graduate Studies and Research is notified, in writing, to the contrary.

## **TRANSFER OF CREDIT AND RESIDENCE REQUIREMENTS**

### **MASTER'S DEGREES**

Students must complete at least two-thirds of the hours required for a master's degree through courses offered by the University of Louisiana at Monroe. Transfer credit may not total more than one-third of the master's degree program. With the approval of the student's graduate advisory committee and the Director of Graduate Studies and Research, a maximum of six semester hours of C grades earned at ULM may be transferred from one program to another or from non-degree status to a degree program. Transfer credit must meet the following requirements:

1. Credit must be earned in residence at a regionally accredited college or university.
2. Credit must be accepted as applicable to the student's degree program.
3. Grade of B or better must be earned.
4. Credit must meet six-year time limit for master's degree program.





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Leadership. Regulations governing comprehensive examinations for doctoral programs are detailed within program descriptions for individual doctoral programs of study.

The comprehensive examination will cover the major area and the minor or related areas, and the candidate must pass both areas. To be eligible, a student must file an application to take the comprehensive examination with the Office of Graduate Studies and Research according to the semester/term deadlines. The student must have completed all courses shown on the approved degree plan or be enrolled in them. All grades of I, excluding graduate recital, graduate research, thesis, field study, and dissertation, must be completed at the time the candidate takes the written comprehensive examination. The written and oral comprehensive examinations should be scheduled within the testing dates given in the University Calendar. These dates do not apply to the oral examination given as the field study, thesis, or dissertation defense. The Director of Graduate Studies and Research must be notified in writing of any exceptions.

The written comprehensive examination for all candidates will be constructed and administered by the candidate's graduate advisory committee or the departmental/school committee as determined by individual departments/schools. After all examinations have been scored and recorded, the questions and answers are to remain in the academic unit office. The major professor will report to the Director of Graduate Studies and Research, in writing, the candidate's performance on the comprehensive examination as satisfactory or unsatisfactory. This report must contain the specific parts of the examination covered, e.g., major only, minor or related areas only, major and minor, and oral. The major professor will notify the candidate, as soon as possible, of the results of the comprehensive examination. At the conclusion of each semester, the respective department or school may forward to the University Library copies of their examination for deposit in the reference section. A candidate majoring in education whose minor area is in related areas will have the comprehensive examination assembled from appropriate sources, constructed, and administered by the appropriate department/school. When nine or more hours in the minor areas, including related areas, are from a single college, the Graduate Coordinator in that college is responsible for coordinating that portion of the examination and reporting the results to the Graduate Coordinator of the College of Education and Human Development and the Director of Graduate Studies and Research.

When the candidate is majoring in a subject matter field and minoring in education, it is the responsibility of the Graduate Coordinator of the college representing the major field to coordinate that portion of the examination and report the results to the Graduate Coordinator in the College of Education and Human Development and the Director of Graduate Studies and Research.

The candidate must pass both the major area portion and the minor or related areas portion of the written comprehensive examination. If the candidate passes one portion and fails the other, only that portion which was failed must be repeated. No one will be permitted to take any portion of the comprehensive examination more than three times without revisions to the Student Plan of Study. Before a third examination can be administered, the candidate must complete a revised program of study outlined by the graduate advisory committee and approved by the Director of Graduate Studies and Research.

An oral examination will be required of all candidates for advanced degrees who submit a field study, thesis, or dissertation. An oral examination may be required of other candidates for advanced degrees as determined by each department or school. The oral examination will be taken only after the candidate

has satisfactorily completed the written comprehensive examination. Copies of the field study, thesis, or dissertation must be submitted to the candidate's graduate advisory committee at least five (5) days before the oral examination. The oral examination is the responsibility of the candidate's graduate advisory committee and the examining committee, who may invite other faculty members and administrators to participate in an ex officio capacity. The candidate's performance on the oral examination must be reported, in writing, by the major professor to the Director of Graduate Studies and Research as satisfactory or unsatisfactory. When the oral examination is the thesis, field study, or dissertation defense, this reporting requirement will be satisfied by the graduate advisory committee's approval of the field study, thesis, or dissertation.

If the candidate's performance on the major area, the minor or related areas, or the oral examination is judged to be unsatisfactory, the candidate must wait until the next comprehensive examination period to reapply to take any part or all of the comprehensive examination.

The candidate is advised to confer with the graduate advisory committee and the appropriate Graduate Coordinator regarding procedures and structure of the comprehensive examination.

## **THE FIELD STUDY, THESIS, OR DISSERTATION**

The field study, thesis or dissertation topic must be selected by the student in consultation with the major professor and must be approved by the student's graduate advisory committee prior to the beginning of the research process by the student. A student who has satisfied all academic course-related

The Guidelines, issued by the Office of Graduate Studies and Research, must be followed in writing a field study, thesis, or dissertation.

A minimum of four copies of the field study or thesis and five copies of the dissertation in final form, approved and signed by members of the graduate

the department and/or the student's graduate committee as deficiencies or prerequisites which are included on the graduate student's approved degree plan. Exceptions, for unusual circumstances, must be recommended, in writing, by the appropriate academic dean or university administrator and approved by the Director of Graduate Studies and Research.

All graduate assistants are encouraged to register for classes during the regularly scheduled telephone registration period.

Reappointment is contingent, in part, upon continued eligibility for graduate enrollment, satisfactory progress toward meeting degree requirements, and satisfactory performance of duties. Graduate assistants are expected to complete their degree programs in a timely fashion in general, two years for a master's degree and four years for a doctoral degree.

## **GRADUATE WORK-STUDY**

The University provides a number of laboratory, non-teaching, and research graduate work-study positions. To be eligible for graduate work-study the applicant must be eligible for Graduate School enrollment and is required to be in or eligible for admission to a specific graduate degree program. Applicants admitted conditionally are also eligible, but provisional and non-degree students are not eligible for graduate work-study.

Applications for graduate work-study may be obtained from the Office of Graduate Studies and Research, the University of Louisiana at Monroe, Monroe, Louisiana 71209-0600. Completed application forms for graduate work-study are to be filed with the Head of the Department to which the applicant desires assignment. Transcripts and three letters of recommendation are required. International students seeking graduate work-study positions must be able to demonstrate adequate communication skills.

Students are expected to work 20 hours per week during the regular semester or summer session in which they hold a graduate work-study position. They may not hold a concurrent graduate assistantship or another graduate work-study position.

The stipend for graduate work-study is \$2,240 for a regular semester and \$800 for a summer session. The out-of-state fee is waived for the regular semester or summer session during which a student holds a graduate work-study position. The out-of-state fee is also waived for the summer term following the spring semester in which a graduate work-study position is held if the student does not graduate that semester. Graduate work-study students are required to pay in-state tuition, general fee, activity fee, ID validation fee, technology fee, and if applicable, vehicle registration fee and international student service and insurance fees.

Graduate work-study students are expected to earn not less than nine (9) semester hours of credit toward their graduate degrees (twelve semester hours in the College of Pharmacy) during a regular semester and not less than three (3) hours of credit during a summer session. Appropriate courses include (1) those which are required for the degree and, if applicable, (2) those courses designated by the department and/or the student's graduate committee as deficiencies or prerequisites which are included on the graduate student's approved degree plan. Exceptions, for unusual circumstances, must be recommended, in writing, by the appropriate academic dean or university administrator and approved by the Director of Graduate Studies and Research.

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All graduate work-study students are encouraged to register for classes during the regularly scheduled telephone registration period.

Reappointment is contingent, in part, upon continued eligibility for graduate enrollment, satisfactory progress toward meeting degree requirements, and satisfactory performance of duties. Graduate work-study students are expected

# **FIELDS OF STUDY**





# COLLEGE OF ARTS & SCIENCES

## AGRICULTURE

**Chemistry and Natural Science Building 310**  
**(318) 342-1766**

**DEGREES:** No degree is offered. Graduate courses are available for students working toward degrees in other disciplines.

**MINOR REQUIREMENTS:** A minor in Agriculture may be earned by students pursuing a Master of Education degree. Undergraduate course prerequisites for a graduate minor: 24 semester hours of agricultural courses.

Graduate course requirements for a graduate minor: 12 semester hours of agriculture and agronomy courses.

## BIOLOGY

**Garrett Hall 101**  
**(318) 342-1805**

**DEGREES:** M.S. in Biology

Areas of concentration available include Botany, Microbiology, Physiology, Conservation Biology and Management, and Zoology.

**MINOR REQUIREMENTS:** A minor in Biology may be earned by students pursuing a Master of Education degree. Undergraduate course prerequisites for a graduate minor: 20 semester hours of biology

Graduate course requirements for a graduate minor: 12 semester hours of biology.

**PROGRAM ADMISSION:** In addition to the University requirements for admission to the Graduate School at ULM, applicants for regular admission to the Master of Science in Biology degree program will meet one of the following criteria:

1. A minimum score of 900 on the GRE General Test (Verbal plus Quantitative).
2. A minimum of 2400 points, determined by multiplying the total undergraduate grade-point average by the combined GRE General Test Scores (Verbal plus Quantitative).

Applicants who fail to meet the above standard may be admitted on conditional status as recommended by the Biology Committee on Graduate Studies to the department head in concert with the Director of Graduate Studies and Research.

**PROGRAM REQUIREMENTS:** Undergraduate requirements: B.S. or B.A. in a biological sciences discipline or a bachelor's degree with sufficient science background; selected undergraduate biology classes may be identified as deficiencies by the student's graduate advisory committee.

Requirements for a major: 33 semester hours of biology and related courses, including 6 semester hours of Biology 599.

## CHEMISTRY

**Chemistry and Natural Science Building 210**  
**(318) 342-1825**

**DEGREES:** No degree is offered. Graduate courses are available for students working toward degrees in other disciplines.

**ACCREDITATION:** The Bachelor of Science in Chemistry is accredited by the American Chemical Society.

**MINOR REQUIREMENTS:**

admission to the Master of Arts in Criminal Justice degree program must meet one of the following criteria:

1. An overall grade point average of at least 2.5 on all undergraduate work pursued and a formula score of at least 2000 using the following formula: the combined total of the Verbal and Quantitative scores on the Graduate Record Examination multiplied by the student's grade point average on all undergraduate work pursued.
2. A minimum grade point average of 2.2 on all undergraduate work and a formula score of at least 2200.

If an applicant does not meet one of the criteria for regular admission to the degree program but has at least a 2.2 grade-point average on all undergraduate work pursued and a formula score of at least 1650; he or she may be admitted conditionally upon recommendation of the Criminal Justice Committee on Graduate Admissions and Policy.

Students who are admitted conditionally may not earn more than one grade lower than "B" and no grade lower than "C" during the first twelve semester hours of graduate course work. Any graduate student in the Criminal Justice degree program who earns more than two grades less than "B" or any grade less than "C" on graduate work will not be allowed to continue in the Criminal Justice graduate program. Any student who pursues approved

1. A minimum undergraduate grade-point average of 3.0 in upper-level English courses;
2. A minimum combined score of 900 on the GRE (Verbal and Quantitative) with special emphasis on the Verbal score.

For regular admission to the Master of Arts in English degree program, international students must submit a minimum score of 600 on the TOEFL or a minimum score of 85 on the Michigan Test.

Applicants who fail to meet the above standards may be admitted on conditional status as recommended by the Graduate Admissions Committee of the Department of English and the Head of English in concert with the Director of Graduate Studies and Research.

**PROGRAM REQUIREMENTS:** Undergraduate requirements: 30 semester hours of English; credit in six semester hours on the sophomore level or a reading knowledge of a foreign language.

Requirements for a major (Thesis): 36 semester hours of English including English 507 or 508, 527 or 528, and 599. Requirements for a major (Non-thesis): 36 semester hours of English including English 507 or 508, and 527 or 528.

Additional requirements: English 514 for students concentrating in literary studies; English 532 for students concentrating in creative writing; English 519 for graduate teaching assistants. Our collaboration agreement with the English graduate program at Louisiana Tech University requires that during their graduate program and according to the agreement, students in traditional literary studies take three courses offered through the agreement to both universities. Students with a creative writing concentration must take only two of the courses offered through the collaboration agreement.

With their major professor's guidance and approval, students may take up to one-half of study of topics under the direction of a senior faculty member. Prerequisites: 21 graduate hours of English and approval of the student's adviser and of the department head.

## FAMILY AND CONSUMER SCIENCES

Filhiol Hall 103  
(318) 342-1903

**DEGREES:** No degree is offered. Graduate courses are available for students working toward degrees in other disciplines.

**ACCREDITATION:** The Family and Consumer Sciences Department is accredited by the Council for Accreditation of the American Family and Consumer Science Association and is also approved as a Vocational Teacher Training department.

**MINOR REQUIREMENTS:** A minor in Family and Consumer Sciences may be earned by students pursuing a Master of Education degree. Undergraduate course prerequisites for a graduate minor: 30 semester hours of family and consumer sciences.

Graduate course requirements for a graduate minor: 12 semester hours of family and consumer sciences.

## FOREIGN LANGUAGES

Brown Hall 325  
(318) 342-1525

**DEGREES:** No degree is offered. Graduate courses are available for students working toward degrees in other disciplines.

**MINOR REQUIREMENTS:** A minor in Foreign Languages may be earned by students pursuing a Master of Education degree.

Graduate course requirements for a graduate minor: 12 semester hours of French and/or Spanish chosen from graduate courses numbered 400 or higher.

## **GEOSCIENCES**

**Hanna Hall 314  
(318) 342-1878**

**DEGREES:** No degree is offered. Graduate courses are available for students working toward degree in other disciplines.

## **GERONTOLOGY AND SOCIOLOGY**

**M.A. in Gerontology**

**Certificate in Gerontological Studies**

Areas of concentration for the M.A. in Gerontology include Long-Term Care

waiver of the internship/thesis requirement and take six additional hours of gerontology electives.

Requirements for the degree in Gerontology with a concentration in Aging Studies:

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Graduate course requirements for a graduate minor: 12 semester hours of social sciences or history, including 6 semester hours in one of the social sciences or history.

**PROGRAM ADMISSION:** In addition to the University requirements for admission to the Graduate School at ULM, all applicants for regular admission to the Master of Arts in History degree program must meet the following criterium:

A minimum combined score of 900 on the GRE General Test (Verbal plus Quantitative).

Applicants who fail to meet the above standards may be admitted on conditional status as recommended by the Graduate History Admission and Curriculum Committee in concert with the Director of Graduate Studies and Research.

**PROGRAM REQUIREMENTS:** Undergraduate requirements: 18 semester hours of social sciences and 18 semester hours of history.

Basic core requirements for the Master of Arts in History: History 530 and 535.

Additional requirements: 18 semester hours of history electives and 6 semester hours of History 599. Total of 30 semester hours. Students who do not wish to write a thesis are required to take 30 hours of history electives and the 6 hours of basic core requirements for a total of 36 semester hours for the degree.

## MATHEMATICS AND PHYSICS

### MATHEMATICS

**DEGREES:** No degree is offered. Graduate courses are available for students working toward degrees in other disciplines.

**MINOR REQUIREMENTS:** A minor in Mathematics may be earned by students pursuing a Master of Education degree. Undergraduate course prerequisites for a graduate minor: 18 semester hours of mathematics, including differential and integral calculus.

Graduate course requirements for a graduate minor: 12 semester hours of mathematics.

### PHYSICS

**DEGREES:** No degree is offered. Graduate courses are available for students working toward degrees in other disciplines.

**MINOR REQUIREMENTS:** A minor in Physics may be earned by students pursuing a Master of Education degree. Undergraduate course prerequisites for a graduate minor: 20 semester hours of physics.

Graduate course requirements for a graduate minor: 12 semester hours of physics.

**MINOR REQUIREMENTS:** A minor in Science may be earned by students pursuing a Master of Education degree. Undergraduate course prerequisites for a graduate minor: 12 semester hours in one of the biological, physical, or earth sciences.



Graduate course requirements for a graduate minor: 12 semester hours in one or more of the areas of biology, chemistry, geosciences, or physics.

## **SOCIAL WORK**

**Stubbs Hall 217**

**(318) 342-1456**

**DEGREES:** No degree is offered. Graduate courses are available for students working toward degrees in other disciplines.

## **SCHOOL OF VISUAL AND PERFORMING ARTS**

### **ART**

**Stubbs Hall 141**

**(318) 342-1375**

**DEGREES:** No degree is offered. Graduate courses are available for students working toward degrees in other disciplines.

**MINOR REQUIREMENTS:** A minor in Art may be earned by students pursuing a Master of Education degree. Undergraduate course prerequisites for a graduate minor: 30 semester hours of art.

Graduate course requirements for a graduate minor: 12 semester hours of art.

### **MUSIC**

**Biedenharn Hall 128**

**(318) 342-1570**

**DEGREES:** M.M. in Music

Areas of concentration available include Conducting, Music Education, Performance, and Theory/Composition.

**MINOR REQUIREMENTS:** A minor in Music may be earned by students pursuing a Master of Education degree. Undergraduate course prerequisites for a graduate minor: A bachelor's degree with a major in Music Education.

Graduate course requirements for a graduate minor: 12 semester hours of music.

**ACCREDITATION:** The University is a member in good standing of the National Association of Schools of Music.

**PROGRAM ADMISSION:** In addition to the University requirements for admission to the Graduate School at ULM, applicants for regular admission to the Master of Music in Music degree program must meet two of the following criteria:

1. A minimum undergraduate cumulative grade-point average of 2.5.
2. A minimum combined score of 900 on the GRE General Test (Verbal plus Quantitative).
3. A combined score of 1875, determined by multiplying the total undergraduate grade-point average by the combined GRE General Test Score (Verbal plus Quantitative).

In addition, a performance audition is required. Those living so distant from the university as to make a personal performance audition a hardship may submit a cassette recording instead.

**PROGRAM REQUIREMENTS:**

## **THEATRE AND DANCE**

**Brown Annex 146**

**(318) 342-1413**

**DEGREES:** No degree is offered. Graduate courses are available for students working toward degrees in other disciplines



**COLLEGE OF BUSINESS ADMINISTRATION**



Students desiring a concentration in Gerontology must elect Gerontology 410, 512, and either Gerontology 565 or 567 instead of the six semester hours of electives in the field of business administration.

Students desiring a concentration in Health Care Administration must elect Pharmacy 547, 548, and 549 instead of the six semester hours of electives in the field of business administration.

(Note: Unless all three pharmacy courses or all three gerontology courses are taken, none of them may be used to satisfy the elective course requirements for the MBA degree.)





**COLLEGE OF EDUCATION AND  
HUMAN DEVELOPMENT**

## CURRICULUM AND INSTRUCTION

Strauss Hall 208  
(318) 342-1266

**DEGREES:** M.Ed. in Curriculum and Instruction  
M.Ed. in Special Education  
Ed.D. in Curriculum and Instruction (see Doctor of Education)  
M.A.T. in Early Childhood Education Grades PK-3 (Alternative Certification)  
M.A.T. in Elementary Education Grades 1-5 (Alternative Certification)  
M.A.T. in Multiple Levels Grades K-12 (Alternative Certification)  
M.A.T. in Secondary Education Grades 6-12 (Alternative Certification)  
M.A.T. in Special Education Mild/Moderate Grades 1-12 (Alternative Certification)

**MINOR REQUIREMENTS:** A minor in Business may be earned by students pursuing a Master of Education degree. Undergraduate course prerequisites for a graduate minor: 27 semester hours of business administration, including Accounting 210-211 or the equivalent.

Graduate course requirements for a graduate minor: 12 semester hours in the College of Business Administration.

### PROGRAM ADMISSION FOR:

CURRICULUM AND INSTRUCTION (M.ED.)

SPECIAL EDUCATION (M.ED.)

In addition to the University requirements for admission, all applicants must present a combined score of 1875 on a scale which is found by multiplying their total undergraduate grade-point average by the combined Graduate Record Examination General Test score (Verbal plus Quantitative) in order to qualify for "Regular Status." Students scoring between 1650 and 1875 (GRE X GPA) may be admitted on "Conditional Status." Applicants for Alternative Certification degrees must meet the additional admission requirements specified for those programs.

### PROGRAM REQUIREMENTS: M.Ed. in Curriculum and Instruction (Early Childhood):

A candidate for the degree in Curriculum and Instruction (Early Childhood) must hold a valid teacher's certificate in a field complimentary to graduate specialization issued by the Louisiana State Department of Education or its equivalent. A total of 36 semester hours must be earned for the degree. Successful candidates in Curriculum and Instruction (Early Childhood) also earn their endorsement for Teacher Leader. The requirements include 18 hours of Elementary Education (ELED 451, 453, 509, 521, 546, and 683), 12 hours of Curriculum and Instruction (CURR 518, 523, 545, and 573), and 6 hours of Educational Leadership (EDLE 500 and 505).

### PROGRAM REQUIREMENTS: M.Ed. in Curriculum and Instruction (Elementary Education):

A candidate for the degree in Curriculum and Instruction (Elementary Education) must hold a valid teacher's certificate in the field of graduate specialization issued by the Louisiana State Department of Education or its equivalent. A total of 36 semester hours must be earned for the M.Ed. in Curriculum and Instruction (Elementary Education). The endorsement for Teacher Leader is also earned by successful candidates in this program. The requirements include 18 hours of Elementary Education (ELED 510, 511, 521, 533, 546, and 683), 12 hours of Curriculum and Instruction (CURR 518, 523, 545, and 573), and 6 hours of Educational Leadership (EDLE 500 and 505).

### PROGRAM REQUIREMENTS: M.Ed. in Curriculum and Instruction (Instructional Technology Facilitator):

A candidate for the degree in Curriculum and Instruction (Instructional Technology Facilitator) must hold a valid teacher's certificate in a field complimentary to graduate specialization issued by the Louisiana State Department of



specialization issued by the Louisiana State Department of Education or its equivalent. Requirements for a major: 21 semester hours of Special Education courses plus Educational Foundations 581. Minor requirements: Educational Foundations 524 and 9 semester hours in related fields, for a total of 36 semester hours. If Psychology 403 or its equivalent has not been taken previously, it must be taken as a deficiency.

**NOTE: THE FOLLOWING M.A.T. PROGRAMS ARE FOR ALTERNATIVE CERTIFICATION ONLY.**

**PROGRAM ADMISSION FOR:**

EARLY CHILDHOOD EDUCATION GRADES PK-3 (M.A.T. [Alternative Certification])

In addition to the University requirements for admission, all applicants must present a combined score of 1875 on a scale which is found by multiplying their total undergraduate grade-point average by the combined Graduate Record Examination General Test score (Verbal plus Quantitative) in order to qualify for "Regular Status." Students scoring between 1650 and 1875 (GRE X GPA) may be admitted on "Conditional Status."

Other admission requirements include meeting:

1. Eligibility requirements for admission to Teacher Education (minimum of 2.5 grade-point average on undergraduate studies and passing scores on PRAXIS I: Reading, Writing, Math); and
2. Content knowledge requirement for Louisiana initial teacher licensure eligibility (passing scores on state-designated PRAXIS content test); and
3. TeachNortheast screening assessment requirements.

**PROGRAM REQUIREMENTS (M.A.T. in Early Childhood Education Grades PK-3 [Alternative Certification]):** Thirty semester hours to include Curriculum 500C, 545A, Educational Foundations 524, 581, Elementary Education 453, 504, 509, 510, Psychology 503, Reading 540, and 6 semester hours of internship, Elementary Education 438B, for a total of 36 semester hours for the degree.

To successfully complete CURR 483A, candidates must meet all other eligibility requirements for initial teacher licensure in Louisiana, which include meeting Program Admission requirements above, satisfactory performance in specified courses, and passing scores on state-designated PRAXIS II tests.

**PROGRAM ADMISSION FOR:**

ELEMENTARY EDUCATION GRADES 1-5 (M.A.T. [Alternative Certification])

In addition to the University requirements for admission, all applicants must present a combined score of 1875 on a scale which is found by multiplying their total undergraduate grade-point average by the combined Graduate Record Examination General Test score (Verbal plus Quantitative) in order to qualify for "Regular Status." Students scoring between 1650 and 1875 (GRE X GPA) may be admitted on "Conditional Status."

Other admission requirements include meeting:

1. Eligibility requirements for admission to Teacher Education (minimum of 2.5

Alternative Certification) of state-designated CURR 500C, 509, 510, and 0002K4.5(n)-4  
 3. T  
 tive 0.1812 Tw ([Alternative Certification]);Tj /FA 1 Tf 13.2298 05013RAM R485/F7 be ad5

To successfully complete CURR 483A, candidates must meet all other eligibility

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545B, 556, Educational Foundations 401, 524, 581, Psychology 505, Reading 418A, and 6 semester hours of internship, Curriculum 483B, for a total of 36 semester hours for the degree.

To successfully complete CURR 483B, candidates must meet all other eligibility requirements for initial teacher licensure in Louisiana, which include meeting Program Admission requirements above, satisfactory performance in specified courses, and passing scores on state-designated PRAXIS II tests.

### **PROGRAM ADMISSION FOR:**

**SPECIAL EDUCATION MILD/MODERATE GRADES 1-12 (M.A.T. [Alternative Certification])**

In addition to the University requirements for admission, all applicants must present a combined score of 1875 on a scale which is found by multiplying their total undergraduate grade-point average by the combined Graduate Record Examination General Test score (Verbal plus Quantitative) in order to qualify for "Regular Status." Students scoring between 1650 and 1875 (GRE X GPA) may be admitted on "Conditional Status."

Other admission requirements include meeting:

1. Eligibility requirements for admission to Teacher Education (minimum of 2.5 grade-point average on undergraduate work and passing scores on PRAXIS I: Reading, Writing, Math); and
2. Content knowledge requirements for Louisiana initial teacher licensure eligibility (passing scores on PRAXIS Elementary Education: Content Knowledge 10014 or PRAXIS Content Area specialty examination) and
3. TeachNortheast screening assessment requirements.

**PROGRAM REQUIREMENTS (M.A.T. in Special Education Mild/Moderate Grades 1-12 [Alternative Certification]):** Thirty semester hours to include Curriculum 545A, Educational Foundations 524, 581, Psychology 552, Reading 501, 502, and Special Education 502, 503, 505, 506; and 6 semester hours of internship, Special Education 562, for a total of 36 semester hours for the degree.

To successfully complete SPED 562, candidates must meet all other eligibility requirements for initial teacher licensure in Louisiana, which include meeting Program Admission requirements above, satisfactory performances in specified courses, and passing scores on state-designated PRAXIS II tests.

## **DOCTOR OF EDUCATION**

### **LOUISIANA EDUCATION CONSORTIUM**

**Strauss Hall 255**

**(318) 342-1235**

**DEGREES:** Ed.D. in Curriculum and Instruction

Ed.D. in Educational Leadership

**CREDENTIALS DEADLINE:** Enrollment is limited. Individuals interested in applying for admission should contact the College of Education and Human Development, Ed.D. Consortium Coordinator, Strauss 154-B for application material.

### **THE DOCTOR OF EDUCATION DEGREE**

The Doctor of Education degree in Curriculum and Instruction or Educational Leadership is offered through the cooperative efforts of The University of Louisiana at Monroe, Grambling State University and Louisiana Tech University and coordinated through the Louisiana Education Consortium Governing Board. All consortium institutions offer designated foundation courses and other graduate courses required in the Ed.D. program in Curriculum and Instruction or Educational Leadership based upon faculty expertise and other institutional resources. The Doctor of Education degree in Curriculum

and Instruction and in Educational Leadership will be awarded by the institution to which the student has been admitted for doctoral study, with coursework being completed on all three campuses in order to provide diverse academic experiences. A unique strength of the Louisiana Education Consortium is that the three institutions strategically pool faculty, equipment, library resources and technology.

The programs are designed for P-16 personnel, including teachers and administrators. The primary goal of the doctoral programs is the preparation of practitioner-scholars for roles in elementary, middle, and secondary school settings.

**PROGRAM ADMISSION:** Student admission in Regular status to the doctoral program is based upon the following criteria:

The applicant must hold a master's degree from a regionally accredited institution in an area related to his/her proposed program of study.

The applicant must have a minimum cumulative undergraduate grade point average of at least 2.75 and a minimum cumulative graduate grade point average of at least 3.25.

The applicant must have completed the Graduate Record Examination (GRE) with a minimum score of 1000 (Verbal and Quantitative) or 1500 (Verbal, Quantitative and Analytical). If Analytical score is from 2004 or later, a score of 3.5 or higher is required.

The applicant must have teaching and/or administrative experience in a kindergarten, elementary, middle, or secondary school or similar educational setting. A valid teaching certificate is required for admission. A renewable credential issued by the Louisiana Board of Elementary and Secondary Education may be used in lieu of

A graduate student who is denied admission to or further continuance in the Doctor of





## **EDUCATIONAL LEADERSHIP AND COUNSELING (Counseling Programs)**

**Strauss Hall 306  
(318) 342-1246  
Marriage and Family Therapy Center  
3404 Bon Aire Drive  
(318) 362-3008**

**DEGREES:** M.Ed. in Counseling  
M.A. in Substance Abuse Counseling  
M.A. and Ph.D. in Marriage and Family Therapy

**ACCREDITATION:** The School Counseling program (M.Ed.), the Community Counseling program (M.Ed.), and the Marriage and Family Therapy program (M.A.) are accredited by the Council for Accreditation of Counseling and Related Educational Programs (CACREP). The Marriage and Family Therapy Program (M.A.) is also accredited by the Commission On Accreditation for Marriage and Family Therapy Education (COAMFTE). The Substance Abuse Counseling program (M.A.) meets the standards for, and is accredited as a Community Counseling program by CACREP.

**CREDENTIALS DEADLINES:** Individuals interested in applying for admission should contact the Educational Leadership and Counseling Department for an application packet for the degree and area of interest.

Enrollment in the M.Ed. in Counseling and the M.A. in Marriage and Family Therapy and Substance Abuse Counseling programs is limited and candidates for admission will be required to furnish, upon request, additional information to the Program Admissions Committee in the area of interest.

All application materials for the M.Ed. in Counseling and the M.A. in Substance Abuse Counseling must be on file before the applicant can be reviewed for admission. For the M.A. in Marriage and Family Therapy, all application material must be received by March 1 to be considered for the fall entering class.

All application materials for the Ph.D. in Marriage and Family Therapy must be received by February 1 to be considered for admission in the following Fall.

**PROGRAM ADMISSION (M.Ed. in Counseling):** Admission to the Master of Education Program in Counseling is at the discretion of the Program Admissions Committee of the Counseling Program. In addition to the University requirements for admission to the Graduate School at ULM, applicants for admission to the Master of Education degree program in Counseling will meet one of the following criteria:

1. A minimum undergraduate grade-point average of 2.8 overall or on the last sixty semester hours of undergraduate course work.
2. A minimum combined score of 900 on the GRE General Test (Verbal plus Quantitative).
3. A total of at least 1900 points based upon the formula-400 times the undergraduate grade-point average on the last sixty semester hours of undergraduate course work plus the combined GRE General Test score (Verbal plus Quantitative).

**PROGRAM REQUIREMENTS (M.Ed. in Counseling):** TITIREMENTS (M.Ed. in Coun49 Tinimum

NOTE: The professional code of ethics requires that retention in this program depends on the student's personal and professional development as well as academic performance. The student will be asked to submit periodic assignments for assessment in this regard. Please consult the Department of Instructional Leadership and Counseling for further information.

**PROGRAM ADMISSION (M.A. in Substance Abuse Counseling):** Admission to the Master of Arts program in Substance Abuse Counseling is at the discretion of the Program Admissions Committee of the Substance Abuse Counseling Program. In addition to the University requirements for admission to the Graduate School at ULM, applicants for admission to the Master of Arts degree program in Substance Abuse Counseling will meet one of the following criteria:

### THE DOCTOR OF PHILOSOPHY IN MARRIAGE AND FAMILY THERAPY

The Doctor of Philosophy Degree in Marriage and Family Therapy from the University of Louisiana at Monroe prepares graduates for careers as scholars/teachers, researchers, supervisors, and senior clinicians. The Marriage and Family Therapy doctorate is a 69 credit hours (minimum) post master's degree which integrates a systemic oriented philosophy and theory, clinical practice, qualitative research, and quantitative research.

**Program Admission:** Admission to the Ph.D. program in Marriage and Family Therapy is a two-stage process: (1) An applicant must first meet the requirements for admission to the University and the Graduate School; (2) Specific program requirements must also be met.

Students admitted to the program will have successfully completed a master's degree program from a regionally accredited institution. Students must complete the standard curriculum of a Council of Accreditation for Marriage and Therapy Education (COAMFTE) accredited master's degree program prior to the doctoral curriculum.

Students may be admitted who do not have all of the above course work. However, they will be required to complete studies in these areas in addition to the standard doctoral course work.

Applicants who are accepted for Fall admission and who are interested in taking classes prior to beginning the program may obtain permission to take Master's level electives and prerequisite course work as post-graduate students. Students accepted who do not possess a strong background in systemic approaches to family therapy must take MAFT 610, Introduction to Marriage and Family Therapy, in the summer preceding the formal beginning of the program.

Priority will be given applicants with:

- A minimum cumulative graduate grade point average of at least 3.50.
- Minimum graduate record examination score of 1,000 (Verbal and Quantitative).

All applicants must:

- Submit three letters of recommendation from professional colleagues who are familiar with her/his character, clinical skills, and ability to perform academically on the doctoral level. Where possible these should include former professors, clinical supervisors, and/or administrators familiar with your training and subsequent practice.
- Complete the admission portfolios and submit them prior to the deadline for admission.
- Demonstrate evidence of both academic competency and clinical skills or the potential for clinical competency.
- Present evidence of relevant work experience.

Finalists in the application process will be required to have a personal interview with the MFT doctoral admissions committee.

**Eligibility to Remain in the Ph.D. Program:** Students enrolled in the doctoral program must maintain a minimum grade point average of 3.0 during each semester of enrollment. Failure of the student to maintain an overall graduate grade point average of 3.0 or receipt of any grade lower than "C" in graduate course work, will result in termination from the program and further graduate work at the University of Louisiana at Monroe.

A graduate student who is denied admission to, or further continuance in the Doctor of Philosophy program may appeal for admission or readmission. An appeal must conform to the requirements of the Graduate School and the College of Education and Human Development.

**Program Requirements:** At the time of admission, the student shall consult with his/her advisory committee to determine what "leveling" course work from their Master's curriculum (if any) will need to be completed prior to pursuing advanced marriage and family therapy studies.

The core curriculum (required post master's degree courses) for the Ph.D. in Marriage and Family Therapy includes MAFT 700, 702, 710, 712, 714, 720, 722, 724, 730, 740, 742, 746, 750 (1-3 cr. per term of enrollment, minimum of 6 cr. required), 752 (6), 799 (12), Educational Foundations 691, and 6 semester hours of MAFT electives at the 600 level approved by the Major Professor.

**Residence Requirements:** Students must enroll full time in the program. Beginning with

register for a minimum of twelve semester hours of dissertation credit during his/her program. Following satisfactory completion of the dissertation as determined by the dissertation committee, an oral defense is required. The dissertation, with recommended changes, will then be submitted to the Office of Graduate Studies and Research for final approval.

**Dissertation Committee:** The student's Dissertation Committee shall consist of the Dissertation Chair and a minimum of three additional members who are representative of the general field of study in which the student expects to perform his/her work. The Dissertation Committee Chair must be selected from the ULM Marriage and Family Therapy graduate faculty and hold the credential of "full member" status on the graduate

Candidates for admission will be required to furnish additional information to the Department of Educational Leadership and Counseling. Requested material must be on file before the applicant can be reviewed for admission.

**PROGRAM REQUIREMENTS (M.Ed. in Educational Leadership):** A candidate for this degree and certification or alternative certification, must hold a valid teacher's certificate issued by the Louisiana Department of Education or its equivalent, have a minimum of 2.5 undergraduate GPA, complete the Graduate Record Examination (GRE) with an appropriate formula score and pass the PRAXIS and/or ISLLC/SLLA examination. Candidates must be able to effectively utilize: word processing, e-mail, Blackboard, PassPort, and a spread sheet before progressing beyond the Teacher Leader Endorsement. Completion of the following courses and passing the necessary examinations will qualify the candidate/graduate for Louisiana certification as Teacher Leader preK-12, Instructional Supervisor, Child Welfare and Attendance Officer, Supervisor/Director of Special Education, and Superintendent of Schools: EDLE 500, EDLE 505 (satisfactory completion of the above tier I courses, Teacher as a School Leader, qualifies the candidate for a Teacher Leader Endorsement), EDLE 510, EDLE 515, EDLE 520, EDLE 530, EDLE 535, EDLE 540, (Tier II, Leader as Facilitator of Instruction and School Improvement), EDLE 545, EDLE 550, EDLE 555, EDLE 560 (Tire III, Leader as manager).

Basic core requirements for Educational Technology Leadership: 24 semester hours including Educational Instructional Technology (EDIT) EDIT 525, EDIT 555, EDIT 625, EDIT 626, EDIT 627, EDIT 628, EDIT 680, and EDIT 683.

Students enrolled in Educational Technology Leader P-12 track must hold a valid Type B Louisiana Teaching Certificate (which requires three years of teaching experience). Additional requirements include Educational Leadership (EDLE) EDLE 500, EDLE 505, EDLE 515, and CURR 518.

No teaching certificate is required for students enrolled in Educational Technology Leader non-P12 track. Additional requirements for Educational Technology Leader Non-P12 include EDIT 524 and 528; CSCI 503; and PSYC 507.

## **KINESIOLOGY**

**Fant-Ewing Coliseum 39  
(318) 342-1305**

**DEGREES:** M.S. in Exercise Science.

**CONCENTRATION AREAS:** Clinical Exercise Physiology  
Applied Exercise Physiology

**PROGRAM ADMISSION:** In addition to the University requirements for admission to the Graduate School at ULM, all applicants must present a combined score of 2200 on a scale which is found by multiplying their total undergraduate grade-point average by the combined Graduate Record Examination General Test score (Verbal plus Quantitative) in order to qualify for "Regular Status." Students scoring between 2100 and 2199 (GRE X GPA) may be admitted on "Conditional Status."

**PROGRAM REQUIREMENTS:** Undergraduate requirements for a major: 24 semester hours from exercise science/kinesiology related courses including at least 3 semester hours from each of the following areas: exercise physiology, anatomical/biomechanical kinesiology, athletic injuries, biology/zoology, and chemistry. The student may not enroll in more than 12 graduate hours until all undergraduate prerequisites are met.

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**CONCENTRATION AREAS AND DEGREE REQUIREMENTS:** Concentration areas in Exercise Science are Clinical Exercise Physiology and Applied Exercise Physiology. A student's plan of study must be approved by the major professor and graduate advisory committee.

Requirements for the Master of Science in Exercise Science (Clinical Exercise Physiology): 36 semester hours in the area of exercise science including EXSC 504, 505, 507, 510, 512, 524, 530, 538, 539, 527 and 6 hours of internship (EXSC 595) in a facility with a clinical population. This concentration area covers the knowledge, skills and abilities expected for American College of Sports Medicine certification at the Exercise Specialist level.

Requirements for the Master of Science in Exercise Science (Applied Exercise Physiology): 36 semester hours in the area of exercise science including EXSC 504, 505, 507, 510, 512, 524, 530, 538, 539, 527, and 6 hours of internship (EXSC 595), thesis (EXSC 599) or a combination of both.

**MINOR REQUIREMENTS:** Undergraduate course prerequisites for a graduate minor: 18 semester hours of exercise science/kinesiology related courses.

Course requirements for a graduate minor: 12 semester hours of Exercise Science, including EXSC 504, 505, 530, and 510.

**AMERICAN COLLEGE OF SPORTS MEDICINE PROGRAM ENDORSEMENT:** The Master of Science Degree in Exercise Science at ULM has been endorsed by the American College of Sports Medicine at the Exercise Specialist level. Students completing the Clinical Exercise Physiology concentration will be exempt from the practical section of the ACSM Exercise Specialist Exam.

## PSYCHOLOGY

**Strauss Hall 314**

**(318) 342-1330**

**DEGREES:** M.S. in Psychology  
Specialist in School Psychology

**MINOR REQUIREMENTS:** A minor in Psychology may be earned by students pursuing a Master of Education degree. Undergraduate course prerequisites for a graduate minor: 12 semester hours of psychology, including 201.

Graduate course requirements for a graduate minor: 12 semester hours of psychology.

**ACCREDITATION:** The Specialist in School Psychology is approved by the National Association of School Psychologists.

**PROGRAM ADMISSION (M.S.):** In addition to the University requirements for admission to the Graduate School at ULM, applicants for admission to the Master of Science in Psychology degree program will meet **two** of the following criteria:

1. A minimum cumulative grade-point average of 2.75.
2. A minimum combined score of 900 on the GRE General Test (Verbal plus Quantitative).
3. A total of at least 1900 points based upon the formula—400 times the overall undergraduate grade-point average plus the GRE General Test score (Verbal plus Quantitative).

Applicants who fail to meet the above standards may be admitted on conditional status by the recommendation of the Committee on Admissions of the Psychology Department in concert with the Director of Graduate Studies and Research.





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### **Requirements for the Specialist in School Psychology Degree**

A student must earn a minimum grade-point average of 3.0 based on a 4.0 system on all work pursued for the degree, with no grade lower than a "C", and no more than six semester hours credit with a grade of "C". The student must pass written and oral comprehensive examinations. Field and practicum experiences (400 hours) and an internship (1250 hours) are required. In addition, students must present official scores on the appropriate national examination for school psychology prior to graduation. The student must present four acceptable copies of the thesis in final form and one additional copy of the abstract to the Office of Graduate Studies and Research by the deadline date as stated in the University Calendar of the Graduate Catalog. For the entering post-master's student, a thesis written as part of the master's degree may be accepted at the discretion of the departmental School Psychology Training Committee and the Director of Graduate Studies and Research. The departmental School Psychology Training Committee and the Director of Graduate Studies and Research may waive a portion of the internship and practicum requirements for the student with previous academic credit for an internship and two years of work experience as a certified school psychologist. The student advisory committee must certify that all requirements for the degree have been completed. The certification must be approved by the Graduate Dean.

### **Residence Requirements for the Specialist in School Psychology Degree**

Students having previously earned the master's degree must enroll for a minimum of one semester or two summer terms as a full-time student at The University of Louisiana at Monroe. Pre-master's level students must enroll for a minimum of two semesters as a full-time student.

### **Time Limit for the Specialist in School Psychology Degree**

The program requirements must be completed within six years beginning with the first Fall or Spring semester enrolled following admission to the Specialist in School Psychology.

### **Requests for Time Extensions**

To utilize graduate credit taken prior to the six-year time limit, the student may request a time extension. These requests should be submitted before or during the semester in which the time limit expires. For further information please contact the Major Professor, the Graduate Studies and Research Office, or the Coordinator of Graduate Studies for the particular major and college involved.

### **Transfer of Credit**

Pre-master's graduate students may be permitted to transfer a maximum of six semester hours. Transfer credit for students having earned a Master's degree and post-master's work will be determined by the departmental School Psychology Training Committee with the approval of the Graduate Dean.





# COLLEGE OF HEALTH SCIENCES



**ACCREDITATION:** The School of Nursing is accredited by the Commission on Collegiate Nursing Education (CCNE), One Dupont Circle, NW, Suite 530, Washington, DC 20036-1120.





# COLLEGE OF PHARMACY

## PHARMACY

College of Pharmacy

Sugar Hall 151

(318) 342-1600

**DEGREES:** M.S. in Pharmaceutical Sciences

Ph.D. in Pharmacy

Areas of concentration available for the master's degree include Hospital Pharmacy, Medicinal Chemistry, Pharmaceutics, Pharmacognosy, Pharmacology, Pharmacology/Toxicology, Pharmacy Administration, and Toxicology.

Areas of concentration available for the doctoral degree include Medicinal Chemistry, Pharmaceutics, Pharmacognosy, Pharmacology, Pharmacology/Toxicology, Pharmacy Administration, and Toxicology.

**ACCREDITATION:** The College of Pharmacy is accredited by The American Council on Pharmaceutical Education.

**PROGRAM ADMISSION (M.S.):** Graduate programs in the pharmaceutical sciences are offered in the areas of Hospital Pharmacy, Medicinal Chemistry, Pharmaceutics, Pharmacognosy, Pharmacology, Pharmacology/Toxicology, Pharmacy Administration, and Toxicology. Students seeking admission to the program of study in Hospital Pharmacy must have an undergraduate degree in pharmacy.

An applicant must meet the requirements for admission to the University and the Graduate School and should submit a minimum score of 2500 on a scale determined by multiplying the undergraduate grade-point average (4.0 system) by the combined quantitative and verbal scores on the Graduate Record Examination (GRE) General Test. The results of the Graduate Management Admission Test (GMAT) multiplied by a factor of 2.2 may be utilized in lieu of the combined GRE score in the foregoing scale computation to determine the eligibility of applicants for admission in the area of Pharmacy Administration. Achievement of the minimum score of 2500 does not guarantee admission. All applicants must apply for regular degree status for admission and be reviewed and recommended for admission by the Graduate Studies Committee.

Upon the recommendation of the Graduate Studies Committee and the Dean, applicants may enroll in a Non-thesis Master of Science degree program in the areas of hospital pharmacy, pharmacy administration, or toxicology.

Applicants not qualified for admission as noted above cannot be conditionally admitted to a nondegree status.

**PROGRAM REQUIREMENTS (M.S.):** Requirements for a major: A minimum of 30 semester hours above the baccalaureate degree. Of the minimum 30 graduate hours, no more than three hours of credit will be applied for seminars and directed study credit on the degree plan. The remaining hours must be structured course work of which 60 percent must be in 500 level courses.

A candidate for the Master of Science degree in the pharmaceutical sciences whose major area of study is either hospital pharmacy, pharmacy administration, or toxicology pursuing a program of study having a non-thesis option must complete a minimum of 36 semester hours above the baccalaureate degree and successfully complete an appropriate field study. With the exceptions of the semester hour minimum, thesis, and thesis defense, all other degree requirements are applicable to the non-thesis program.

**PROGRAM ADMISSION (Ph.D.):** The Doctor of Philosophy degree in Pharmacy is awarded by the Graduate School through the College of Pharmacy. Students must select a major concentration from among the areas of Medicinal Chemistry, Pharmaceutics, Pharmacognosy, Pharmacology, Pharmacology/Toxicology, Pharmacy Administration, and Toxicology.

The program leading to the degree normally shall be the equivalent of not less than three years of graduate study beyond the baccalaureate degree.

The applicant should have a Master's degree from an accredited institution; however, exceptional students with a baccalaureate degree may be admitted.

Full-time faculty members on continuing appointment at The University of Louisiana at Monroe Louisiana University will not be admitted to doctoral programs offered through their department at the University.

### **General Requirements for the Doctor of Philosophy Degree**

An applicant must meet the requirements for admission to the University and the Graduate School and should submit a minimum score of 3000 on a scale determined by multiplying the undergraduate grade-point average (4.0 system) by the combined verbal and quantitative scores on the Graduate Record Examination General Test (GRE). The results of the Graduate Management Admission Test (GMAT) multiplied by a factor of 2.2 may be utilized in lieu of the combined GRE score in the foregoing scale computation to determine the eligibility of applicants for admission in the area of Pharmacy Administration. Achievement of the minimum score of 3000 does not guarantee admission. All applicants must apply for regular degree status for admission and be reviewed and recommended for admission by the College of Pharmacy Graduate Studies Committee.

After admission to the degree program by the Graduate School, the student is referred to the Department Head in his area of interest. The Department Head may assist the student in the selection of course work for the first semester or assign the student to a temporary major professor for initial advising.

During the first semester of residence, the student should select a faculty member who shall act as the major professor of his graduate advisory committee and direct the student's research. Original research is an integral part of the Doctor of Philosophy program. As soon as possible, but not later than the second regular semester of enrollment, the student with his advisory committee must file an approved dissertation topic with the department head. The graduate advisory committee shall consist of not less than four approved members of the graduate faculty and be mutually acceptable to the student and the committee members, including the major professor. The committee members must be representative of the general field of study in which the student expects to perform his work. The major professor and the graduate advisory committee must be approved by the College of Pharmacy Graduate Studies Committee, the Dean and the Director of Graduate Studies and Research.

Although there are specified course requirements which must be completed for the Doctor of Philosophy degree, the degree is not awarded on the basis of time spent in the program or following the completion of any specific number of formal courses. The Doctor of Philosophy degree is not granted on the basis of miscellaneous course studies and research effort, but the program must be competency based and research oriented to produce a dissertation of literary and scholarly merit denoting the student's capacity for original, independent research in a particular field of specialization pertaining to one of the pharmaceutical sciences.

### **Program of Study for the Doctor of Philosophy Degree**

The program and courses of study for the Doctor of Philosophy degree will be organized to meet the student's special needs as determined by the student and his graduate advisory committee. The graduate advisory committee is composed of faculty members who work closely with their students.

Under the direction of the major professor, a degree plan for the Doctor of Philosophy degree must be prepared by the student with the graduate advisory committee no later than the second semester after enrollment into the degree program. It will involve a minimum of 30 semester hours of structured coursework, excluding seminars, dissertation

research and directed study. Of the minimum 30 hours, 80 percent must be in 500 level courses.

The degree plan must have the approval of the student's graduate advisory committee, the College of Pharmacy Graduate Studies Committee, and be reviewed by the department head. Final approval is granted by the Director of Graduate Studies and Research. The forms for filing the degree plan are obtained from the office of the Dean of the College of Pharmacy.

Any changes in the original degree plan, including the dissertation title, are to be submitted in the same procedure as the original plan.

To fulfill the course requirement for the Doctor of Philosophy degree, the candidate shall present an average of not less than "B" on all graduate work pursued and all work in the major field, with no grade lower than "C" and not more than six semester hours of credit

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### **Requests for Time Extensions**

To utilize graduate credit taken prior to the nine-year time limit, the student may request a time extension. These requests should be submitted before or during the semester in which the time limit expires. For further information please contact the Major Professor or the Office of Graduate Studies and Research.



# GRADUATE COURSES

To receive graduate credit for a course designated "For Undergraduate and Graduates," a student must be in graduate admission status at the time credit is earned in the course. Credit earned in undergraduate admission status cannot be changed to graduate credit.

## **ACCOUNTING (ACCT)**

**For Undergraduates and Graduates**

**421. ADVANCED AUDITING. 3 cr.** Auditing procedures and practices with special emphasis on the CPA examination. Prerequed

## **AGRICULTURE (AGRI)**

### **For Undergraduates and Graduates**

- 403. PLANT PATHOLOGY. 3 cr.** A study of signs, symptoms, and syndromes as they relate to the causal agents and control of plant diseases. Prerequisites: Biology 120, 121; Microbiology 201; credit or registration in 402. (Same as Botany 401.) F, odd
- 404. PLANT PATHOLOGY LABORATORY. 1 cr.** A laboratory course to accompany 403. Three hours laboratory. Field trip fee required. Prerequisites: Credit or registration in 403; Microbiology 203. (Same as Botany 402.)
- 491. DIRECTED STUDY. 1-6 cr. Maximum, 6 cr.** Individualized work on special problems in: A. Soil Science; B. Plant Science; C. Animal Science; D. Agriculture Business; E. Equine Science; F. Agriculture Biometrics. Prerequisite: Approval of Department Head.

### **For Graduates Only**

- 501. CURRENT TOPICS IN AGRICULTURE. 3 cr. Maximum, 12 cr.** Special topics in areas such as pesticide efficacy, environmental science, computerized farming, and tissue culturing of agricultural plants. A. Soil Science; B. Plant Science; C. Animal Science; D. Agriculture Business; E. Agricultural Mechanization; I. Biometrics. Prerequisite: Approval of Department Head. F

## **AGRONOMY (AGRO)**

### **For Undergraduates and Graduates**

- 404. SOIL AND WATER RESOURCES. 3 cr.** The nature, distribution, use, and conservation of important soil groups; the efficient use, control, and storage of water in humid and arid regions; water pollution and its control. Sum
- 405. SOIL FERTILITY AND CHEMICAL PROPERTIES. 3 cr.** The chemical and mineralogical properties of soils from the theoretical and technical viewpoints. Prerequisite: 201, Chemistry 101 or 107. (Formerly Chemical Properties of Soils.)
- 406. SOIL FERTILITY AND CHEMICAL PROPERTIES LABORATORY. 1 cr.** A laboratory course to accompany 405. Three hours laboratory. Prerequisite: Credit or registration in 405, 201, Chemistry 101 or 107. (Formerly Chemical Properties of Soils Laboratory.)
- 407. SOIL CLASSIFICATION. 3 cr.** The origin, profile development, composition, and classification of soils; the soils of Louisiana and their utilization.
- 408. SOIL CLASSIFICATION LABORATORY. 1 cr.** A laboratory course to accompany 407. Three hours laboratory. Prerequisite: Credit or registration in 407.

## **ALLIED HEALTH SCIENCES (AHSC)**

### **For Undergraduates and Graduates**

- 430. INTERDISCIPLINARY STUDIES. 1-3 cr.** Interdisciplinary education for allied health and related areas. Students will utilize a problem-based learning approach. Prerequisite: Permission of Instructor.

### **For Graduates Only**

- 551. SEMINAR. 1-3 cr.** Related topics on clinical medicine and dentistry. Registration by approval of Director of the School of Medicine as B5Per95.71Wj Tuduccquisi, re, m B5not5Peons; wat



## **ANTHROPOLOGY (ANTS or ANTG)**

### **For Undergraduates and Graduates**

- 411. THE ARCHEOLOGY OF NORTH AMERICA. 3 cr.** The archeological background of North America from Mexico to the Arctic Circle; progressive states of development of prehistoric North American cultures. (Same as Geography 411.)
- 414. THE INDIANS OF NORTH AMERICA. 3 cr.** Survey of the distribution and principal regional lifeways of North American Indian groups prior to disruption, dispersal, and reservationizing. (Same as Geography 414.)
- 421. THE ARCHEOLOGY OF MEXICO. 3 cr.** An in-depth view of the development of pre-Hispanic Mexican and Meso-American cultures and civilizations from Paleo-Indian times to the Spanish Conquest; an overview of the major archeological sites pertinent to these cultures. (Same as Geography 421.)
- 422. ANTHROPOLOGY OF LATIN AMERICA. 3 cr.** Description of indigenous social organizations prior to conquest. Survey of community ethnographic studies of African, Amerind, Asiatic and European cultures in contemporary rural and urban Latin America. Prerequisite: Sociology 307 or Approval of Department Head. (Same as Sociology 422. Formerly Latin America: Peoples and Institutions.)
- 423. ARCHEOLOGICAL FIELD TECHNIQUES. 6 cr.** A field course introducing the basic techniques of archeological mapping, excavation, cataloging, specimen preparation and preservation. A study of soils, physical stratigraphy, synecology, and techniques of artifact laboratory analysis. May be repeated once for a maximum of 12 hours credit. (Same as Geography 423.)
- 430. BELIEF SYSTEMS. 3 cr.** The relationship between pre-literate belief systems and social structure; myths of creation, life cycle crisis, rites of passage, purity and pollution, witchcraft and supernatural illness. (Same as Sociology 430.)
- 435. ANTHROPOLOGY OF SEX ROLES. 3 cr.** An analysis of different values that define appropriate Same aj T\* 0.0278 Tw (su Sociology 430.5)

**408. ART APPLICATIONS IN TEACHING. 3 cr.**



- 409. CELLULAR PHYSIOLOGY LABORATORY. 1 cr.** A laboratory course to accompany 408. Three hours laboratory. Prerequisite: Credit or registration in 408.
- 412. PLANT PHYSIOLOGY. 4 cr.** An introduction to the chemical and physical processes occurring in plants. Three hours lecture and three hours laboratory. Prerequisites: 204; Chemistry 108, 110; Math 116. (Formerly Botany 409)
- 414. ANIMAL PHYSIOLOGY. 4 cr.** An introduction to the processes by which animals function in their environment. Three hours lecture and three hours laboratory. Prerequisites: 208; Math 116. (Formerly Zoology 412)
- 416. PHYSIOLOGY OF REPRODUCTION. 3 cr.** Study of the physiological and environmental

- 462. FOOD AND DAIRY MICROBIOLOGY. 3 cr.** The role of microorganisms in the preservation, spoilage and poisoning in food and dairy products. Also, their role in the manufacture of products of agricultural origin. Prerequisite: 214; credit or registration in 463. (Formerly Micro 423)
- 463. FOOD AND DAIRY MICRO LABORATORY. 1 cr.** A laboratory course to accompany 462. Three hours laboratory. Prerequisite: Credit or registration in 462. (Formerly Micro 424)

**499. SENIOR SEMINAR. 1 cr.** A seminar course to acquaint students with recent primary literature in Biology. Class format will include discussions and written papers. Prerequisite: 40 hours of credit. (Formerly 420)

**For Graduates Only**

**503. ORGANIC EVOLUTION. 3 cr.** The history, theories, and mechanisms of evolution.

**505. RESEARCH METHOD** 3 cr.

- 540. COMPARATIVE PHYSIOLOGY. 3 cr.** Physiological processes in a wide range of invertebrates as well as vertebrate animals; different adaptations by which diverse organisms perform basic life functions; comparisons designed to demonstrate physiological homologies and analogies. (Formerly Zoology 511)
- 542. ENDOCRINOLOGY. 3 cr.** The study of endocrine glands and their hormones. Consideration of the role of hormones in growth, development, metabolism, homeostasis, and reproduction. Prerequisite: One semester of physiology. (Formerly Zoology 501)
- 591. DIRECTED STUDY. 1-6 cr. Maximum, 6 cr.** Directed study in selected areas of Biology. Prerequisite: Approval of the Department Head.
- 593. SPECIAL TOPICS IN BIOLOGY. 3-4 cr.** Advanced study of topics not covered in regular courses. Topic areas: A. Zoology; B. Botany; C. Cell and Molecular Biology; D. Physiology. All sections with three hours lecture; some sections may include additional laboratory time. Prerequisite: Approval of instructor.
- 599. THESIS. 1-6 cr.** Grades of CR (Credit) or NC (No Credit) will be awarded.

## BUSINESS (BUSN)

### For Undergraduates and Graduates

- 412. MANAGERIAL COMMUNICATION. 3 cr.** Theory, concepts, and process of oral and written managerial communication; organization, analysis and presentation of information in memos and business reports (written and oral); effects of language and media on individual and organizational behavior; role and use of information technology. Prerequisite: 305 or approval of department head. (Formerly Office Information Systems 412.)
- 481. CONTINUING STUDIES IN BUSINESS. 1-3 cr.** Various topics in applied business for students not pursuing a degree. May be repeated. Credit may not be applied toward a degree. Grades of CR (Credit) or NC (No Credit) will be awarded.

### For Graduates Only

- 501. BUSINESS AND ITS ENVIRONMENT. 3 cr.** The philosophy and role of business and managers in their social, governmental, and economic environments. Consideration is given to social and ethical responsibilities to employees, customers, the general public, and others; relations between business and government; public regulation and social control of business; and relations between business and labor.
- 591. DIRECTED STUDY. 3 cr.** Individual study of advanced business topics, under the direction of a senior faculty member. Prerequisites: Twelve semester hours of BMBA courses and a minimum graduate GPA of 3.5.

## BUSINESS ADMINISTRATION (BMBA)

### For Graduates Only

- 509. MANAGEMENT INFORMATION SYSTEMS. 3 cr.** Concepts and practices of MIS, Systems development, Data communications, Selection and utilization of computer systems to implement a management information system. Prerequisites: 205 or equivalent, Accounting 213; and the permission of the graduate coordinator.
- 511. ECONOMIC ENVIRONMENT. 3 cr.** Determination of market prices, interest rates, national output, exchange rates, and balance of payments. Demand estimation and cost analysis. The effects of government interventions such as price controls, fiscal and monetary policies, tariffs, and quotas. Prerequisites: Quantitative Methods 210, Economics 201 and 202, or 502; and the permission of the graduate coordinator.
- 512. ACCOUNTING ANALYSIS FOR DECISION MAKING. 3 cr.** Use of accounting information systems for profit planning, cost control, and capital budgeting. Study of cost terminology and behavior with emphasis on relevant costs for decision making. Management use and analysis of financial statements. Prerequisites: Accounting 212 and 213, or 502; and the permission of the graduate coordinator.
- 520. FINANCIAL ANALYSIS. 3 cr.** Examination of the key aspects of investment and financial decision-making including capital budgeting, financial statement analysis, financial planning, risk management, international financial markets, and the selection of financial instruments and policies. Prerequisites: Accounting 212 and 213, or 502; Economics 201 and 202, or 502; Finance 315; and the permission of the graduate coordinator.

**521. MARKETING STRATEGY. 3 cr.** Planning, implementing, and evaluating marketing strategies









**COMPUTER SCIENCE  
(CSCI)**

**For Undergraduates and Graduates**

- 411. OPERATING SYSTEMS. 3 cr.** Theory and implementation of operating systems including process management, device management, memory management, and file system management. Security, networking, and distributed operating systems. Prerequisites: 264, 265, 305, and 310.
- 412. ARCHITECTURE. 3 cr.** Computer hardware architectures including microcomputers, minicomputers, mainframes and supercomputers; memory organization including cache and virtual memory; pipelining; RISC architecture; parallel processing architectures; comparison of representative architectures. Prerequisites: CSCI 264, 265, and 305.
- 435. LINEAR PROGRAMMING. 3 cr.** Development of the simplex algorithm, revised simplex, duality, and application. Prerequisite: Mathematics 202.
- 436. INTRODUCTION TO MATHEMATICAL CONCEPTS IN OPERATIONS RESEARCH. 3 cr.** A mathematical approach to concepts in advanced linear and nonlinear programming, dynamic programming, game theories, queueing theory and other standard topics in operations research. Prerequisites: 435 and Mathematics 303. (Same as Mathematics 436.)
- 442. SIMULATION AND MODELING. 3 cr.** General principles of stochastic simulation. Model development, analysis, and validation. Comparison of alternative models. Use of special-purpose simulation languages. Prerequisites: CSCI 305 and Mathematics 303.
- 455. THEORY OF DATABASE MANAGEMENT SYSTEMS. 3 cr.** Logical and physical data and file organization; hierarchical, network, and relational data models; data normalization; query facilities; current literature in the database area. Prerequisite: Grade of "C" or better in 273.
- 475. KNOWLEDGE DISCOVERY IN DATABASES. 3 cr.** An introduction to the field of Knowledge Discovery in Databases, KDD. Topics to be included are: data selection, cleaning, coding, pattern recognition, the discovery of hidden knowledge, learning rules, and data mining algorithms for large databases. Prerequisites: 455 and Mathematics 303.
- 481. EXPERT SYSTEMS. 3 cr.** A course in Applied Artificial Intelligence for non-programmers who are interested in the use and development of expert systems within their own fields of study. Not applicable toward a degree in computer science. Prerequisite: Senior or graduate standing.
- 483. ARTIFICIAL INTELLIGENCE. 3 cr.** Study of the computer in context with human thought process-

- 516. RESEARCH WITH THE INTERNET. 3 cr.** Internet and common tools of access such as telnet, FTP, e-mail, gopher, WWW, and Mosaic. Discussion of Internet in the classroom, workplace, and research. Emphasis on research use. Prerequisite: 503 or consent of department head. Not open to students with prior credit in 514.
- 520-521. STATISTICAL METHODS FOR THE EXPERIMENTER. 3 cr. each.** Data description, probability and probability distributions, estimation and tests of hypothesis, linear regression and correlation, multiple comparisons, multiple regression; analysis of variance for completely randomized, randomized block. Latin square, factorial and k-way classification, and unbalanced designs; expected mean squares, analysis of covariance. The use of SAS and SPSS statistical computer packages. Emphasis is on methodology and only a high school background in mathematics and no prior knowledge of statistics is assumed. Credit cannot be earned in both 437-438 and 520-521. (Same as Mathematics 520-521.)
- 522. MULTIVARIATE STATISTICAL METHODS FOR RESEARCHERS. 3 cr.** An introductory course in applied multivariate statistical methods for the researcher. Emphasis is on concepts and the application of procedure. Topics to be covered include multivariate normal distribution theory, statistical distance, hypothesis testing, multivariate structure, graphics, and exploratory techniques. Same as Mathematics 522.
- 536. MATHEMATICAL CONCEPTS OF OPERATIONS RESEARCH. 3 cr.** Game Theory, convexity, nonlinear programming, classical optimization, theory of queues, simulation techniques. Prerequisite: 435.
- 591. DIRECTED STUDY. 1-6 cr. Maximum, 6 cr.** Individual work on special problems in computer science. Subject Areas: A. Applications; B. Software; C. Mathematics of Computation; D. Hardware. Prerequisite: Approval of Department Head.

## **COUNSELING (COUN)**

### **For Undergraduates and Graduates**

- 433. INTERPERSONAL COMMUNICATION. 3 cr.** Paired, triad, and small group involvement to develop awareness of various communicative skills utilized in the interpersonal relationship and increase effectiveness in interpersonal communication.
- 434. CAREER DEVELOPMENT IN THE ELEMENTARY SCHOOLS. 3 cr.** Methods and systems of introducing the world of work to elementary school children. 435.
- 464. COUNSELING PROCEDURES. 3 cr.** The study of theory, processes, and relationships involved in individual and family counseling approaches and practices. Designed as a pre-practicum experience, the course includes laboratory demonstrations and practice to develop initial counseling skills.
- 480. EFFECTIVE PARENTING. 3 cr.** Designed to help students and parents-to-be understand the principles and techniques of establishing effective parent-child relationships.
- 481. CONTINUING STUDIES IN COUNSELING AND THERAPY. 1-3 cr.** Various topics in counseling, therapy and human relations. May be repeated. Credit may not be applied toward a degree. Grade of CR (Credit) or NC (No Credit) will be awarded.
- 491. DIRECTED STUDY. 1-6 cr.** exrereid 0.021 Tf 34.65ry ofo.3061 Tw(ariouf kF754.501)computer

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- 529. INTERAGENCY AND INTERDISCIPLINARY TEAMING. 3 cr.** Designed to provide information, skills, and strategies necessary for interventionists working in a collaborative/teaming service provision structure. Prerequisite: Special Education 527 or permission of instructor. (Same as Special Education 529.)
- 550. EFFECTIVE CONSULTATION. 3 cr.** Designed to build competencies of educators in consultation skills with educational administrators, ancillary personnel, teachers, parents, students, and other professionals. (Same as Special Education 550.)
- 560. STRATEGIES OF LIFE AND CAREER DEVELOPMENT. 3 cr.** The study of theories and trends in career development with direct implementation of theories into practices.
- 561. COUNSELING TECHNOLOGY AND INFORMATION SYSTEMS. 3 cr.** Methods of collecting, interpreting, presenting, and evaluating vocational and educational information.
- 562. ASSESSMENT: METHODS AND MEASURES. 3 cr.** The study of individual, group, and family assessment methods and measures.
- 564. ORGANIZATION AND ADMINISTRATION OF COUNSELING PROGRAMS. 3 cr.** This course is designed to provide students with the specific knowledge and skills necessary to organize, administer, and evaluate counseling programs in various settings.
- 565. PRACTICUM IN COUNSELING. 3-6 cr.** Students provide vocational, educational, personal, and

## CRIMINAL JUSTICE (CJUS)

### For Undergraduates and Graduates

- 400. CORRECTIONAL TREATMENT. 3 cr.** An overview and an examination of the basics of classification and counseling approaches, emphasizing interpersonal skills development, data collection, interviewing, assessment techniques, and counseling. Prerequisites: 101, 270, and Junior standing or Approval of Program Director.
- 405. THEORIES OF CRIME AND DELINQUENCY. 3 cr.** An analysis of the extent of crime and delinquency; impact of crime and delinquency on society; physical, social, and psychological causation of crime and delinquency; and current issues in criminology. (Same as Sociology 405.) (Formerly Criminology.)
- 409. CRIMINAL JUSTICE FIELD STUDY. 3 cr.** A field study tour of specific criminal justice programs currently in operation. The student is allowed to relate theory to practice through short intensive observation of quality corrections and law enforcement programs. Prerequisite: Junior, Senior, or Graduate status.
- 415. JUVENILE DELINQUENCY AND JUSTICE. 3 cr.** The nature, extent, and causes of juvenile delinquency; factors in its treatment and prevention, including community and agency programs; and analysis of the legal system as it applies to juveniles. (Same as Sociology 415.) (Formerly Juvenile Delinquency.)
- 416. CONTEMPORARY ISSUES IN CRIMINAL JUSTICE. 3 cr.** Examination of the literature and analysis of current issues relevant to criminal justice. Prerequisite: Junior, Senior, or Graduate standing.
- 418. CONSTITUTIONAL LAW AND CRIMINAL JUSTICE. 3 cr.** Study of constitutional law and its applicability in the criminal justice system. Prerequisite: Government 201. (Same as Government 418.)
- 429. MANAGEMENT OF CRIMINAL JUSTICE AGENCIES. 3 Cr.** The application of supervisory and administrative principles to the management of correctional and police agencies in the United States. Students with prior credit for CJUS413 and/or 414 are not eligible to receive credit in CJUS 429. Prerequisite: Junior or Senior standing or Permission of the Department Head.
- 491. DIRECTED STUDY. 1-3 cr.** Individual examination of relevant literature in student's area of interest as approved and directed by the major professor. May not be repeated for more than 3 hours credit. Prerequisite: Prior Approval of Supervising Instructor.

### For Graduates Only

- 501. PROSEMINAR IN CRIMINAL JUSTICE. 3 cr.** An in-depth examination of recent literature related to the social, political, and legal issues affecting the criminal justice system.
- 505. ADVANCED THEORIES OF CRIME AND DELINQUENCY. 3 cr.** An in-depth analysis of selected explanations of criminal behavior. Readings will include original works of sociological, psychological, and other theorists. Contemporary research will be given considerable attention. Prerequisite: Undergraduate or graduate course in criminological or delinquency theory or Permission of the Department Head. (Formerly Criminological Theory.)
- 510. ADVANCED RESEARCH METHODS IN CRIMINAL JUSTICE. 3 cr.** Techniques, processes, and methods of research in criminal justice with emphasis on both traditional and contemporary (electronic) sources. Development and completion of research project integrating use of computerized data bases and other electronic and traditional sources of criminal justice data. Prerequisite: Undergraduate or graduate course in research methods, familiarization with computers, or Permission of the Department Head. (Formerly Planning and Research in Criminal Justice.)
- 514. JUVENILE JUSTICE SYSTEM. 3 cr.** An examination of the juvenile justice system: history, structure, and interrelationships among law enforcement, the courts, and corrections. Federal, State, and local laws and programs are explored with an emphasis upon case law and statutory law, both historical and current. Issues in terms of the philosophy of *parens patriae* and constitutional procedures are explored.
- 540. COUNSELING IN CRIMINAL JUSTICE. 3 cr.** An in-depth study and evaluation of counseling as applied in the criminal justice setting, law enforcement, and corrections. A psycho-social approach to the understanding of behavior is emphasized with priority given to immediacy. Crisis intervention, interviewing, interpersonal communication, and various treatment models are explored.
- 550. POLICE AND SOCIETY. 3 cr.** A critical examination of the police and their relationship to society. Attention will be given to the role of police; full service policing; ethnic tensions as

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correlated to the ghetto and police sub-culture; police stress, discretion, conduct, unionization, corruption, and professionalism; and legal issues related to due process of law.

- 555. SOCIOLOGY OF LAW. 3 cr.** An analysis of social behavior and its relationship to the development of law; law as a control mechanism; social behavior as it relates to the police, courts, and corrections; portrayal of the criminal justice system components in the media; and social change and the law. (Same as Sociology 555.)
- 573. SEMINAR IN CRIMINAL JUSTICE ADMINISTRATION. 3 cr.** Examination of administrative principles as they apply to criminal justice agencies.
- 576. MINORITIES, CRIME, AND CRIMINAL JUSTICE. 3 cr.** Examination of the role of minorities in the criminal justice system: as victims; as offenders; as defendants; as prisoners; as employees; and as professionals. (Same as Sociology 576.)
- 585. ORGANIZED CRIME, DRUGS, AND VICE. 3 cr.** An in-depth study of organized crime, drug, and vice offenses within the structures of a constitutional democracy. Included within the study is the historical background of organized crime and the present status of these identified groups. Prerequisite: Permission of Department Head.
- 591. DIRECTED RESEARCH. 3 cr.** A survey of current literature and/or research on a topic to be approved and directed by a member of the Graduate Faculty. Prerequisite: Criminal Justice 510, 21 hours of Criminal Justice course work, non-thesis concentration degree plan, and Approval of Program Director.
- 593. COMPARATIVE CRIMINAL JUSTICE. 3 cr.** A cross-national survey of crime and criminal justice. Emphasis will be on crime rates, forms of criminality, police, courts, and corrections. Descriptive material on selected countries will be analyzed and compared. Although the major emphasis will be on the substantive content of assigned readings, some attention will be given to research methodology.
- 595. PROFESSIONAL PRACTICE. 3 cr.** Placement in a criminal justice agency approved by the Criminal Justice Program Director or assignment of a teaching internship in an introductory Criminal Justice course. Restricted to students who have not been previously employed in a criminal justice agency or who have not served as graduate teaching assistants. Prerequisite: completion of 21 hours of graduate work in Criminal Justice, a GPA of 3.00 or better, and Approval of Program Director.
- 599. THESIS. 1-6 cr.**

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- 481. CONTINUING STUDIES IN CURRICULUM AND INSTRUCTION. 1-3 cr.** Various topics in curriculum and instruction. May be repeated. Credit may not be applied toward a degree. Grade of CR (Credit) or NC (No Credit) will be awarded.
- 482. TECHNOLOGY FOR TEACHING AND LEARNING. 3 cr.** Provides experiences with planning and delivery of instruction that integrates a variety of software, hardware, applications, and learning tools. Develops technology and content rich lessons that promote improved students learning and reflect effective grouping and assessment strategies for diverse populations. Prerequisite: CURR 285 or Permission of Instructor.
- 483. PRACTICUM. 3-6 cr.** Internship program designed to give supervised experience in the school. A. Elementary; B. Secondary. May be repeated for a total of 12 hours credit. Prerequisite: must be admitted to Teacher Education and have approval of Director of Field Experiences. Must meet all other eligibility requirements for Louisiana Teaching Certificate in field of study to earn credit and grade.
- 485. INTEGRATING TECHNOLOGY INTO THE K-12 CURRICULUM. 3 cr.** Provides a survey of and practice with the applications of instructional technology to enhance learning. It provides a review of current and emerging technologies in instruction through an introduction to current research and variety of instructional software and hardware. Prerequisite: CURR 285 or Permission of Instructor.
- 491. DIRECTED STUDY. 1-6 cr.** Investigative study on selected problems by students with particular needs.

**For Graduates Only**

- 500. CLASSROOM MANAGEMENT AND ORGANIZATION. 3 cr.** Study and application of theories and principles of effective classroom behavior and management technc0401sbayz2.soves Onlybe67leme



## **ECONOMICS (ECON)**

**For Undergraduates and Graduates**

**410. ECONOMICS OF AGING. 3 cr.** An examination of issues related to the economic status of persons as they grow older. Attention will be given to problems and policies which relate to

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- 599. THESIS OR FIELD STUDY. 1-6 cr.** Grades of CR (Credit) or NC (No Credit) will be awarded. Prerequisite: Valid Louisiana teaching certificate or equivalent or written permission of the department head.
- 616. THE VISITING TEACHER. 3 cr.** Functions of the visiting teacher, home and school visitation programs, analysis of attendance and related problems, promotion of school-home relationships, maintaining of necessary records. Prerequisites: 501 and Educational Foundations 581. Valid Louisiana teaching certificate or equivalent or written permission of the department head. (Formerly 516.)
- 618. SCHOOL COMMUNITY RELATIONS. 3 cr.** The dynamics of the interactions of schools with the elements of community are examined. Multicultural and multiracial concepts and the impact of these concepts on educational administration, processes and organization are emphasized. The designing of programs around the needs and problems of the school and its special publics is stressed also. Prerequisites: 501 and Educational Foundations 581. (Formerly 653B, Seminar in Educational Administration: School-Community Relations.) Sp, Sum II
- 619. SCHOOL PERSONNEL ADMINISTRATION. 3 cr.** This course is designed to improve the knowledge and competencies of those individuals in our school systems who are responsible for the development and management of human resources. More specifically, purposes include development of insight concerned with organization, plans, policies, procedures, and processes of personnel administration. Prerequisites: 501 and Educational Foundations 581. Valid Louisiana teaching certificate or equivalent or written permission of the department head. (Formerly 653C, Seminar in Educational Administration: School Personnel Administration.) F, Sum II
- 622. ADVANCED SUPERVISION OF INSTRUCTION. 3 cr.** Advanced study of selected aspects related to supervision of instruction including organization of in-service programs, clinical supervision and evaluation of teaching. Prerequisite: 521. Valid Louisiana teaching certificate or equivalent or written permission of the department head. (Formerly 522.) Sp, Sum
- 634. ELEMENTARY SCHOOL PRINCIPALSHIP. 3 cr.** Administrative and supervisory responsibilities of the elementary school principal. Prerequisites: A minimum of 18 hours of required EDAS courses and Educational Foundations 581. Valid Louisiana teaching certificate or equivalent or written permission of the department head. (Formerly 534.) Sp
- 644. SECONDARY SCHOOL PRINCIPALSHIP. 3 cr.** Administrative and supervisory responsibilities of the secondary school principal. Prerequisites: A minimum of 18 hours of required EDAS courses and Educational Foundations 581. Valid Louisiana teaching certificate or equivalent or written permission of the department head. (Formerly 544.) Sp
- 684. EDUCATIONAL ADMINISTRATION INTERNSHIP I. 3 cr.** This course provides 120 clock hours of supervised field-based experience in general school administration. Must meet all other eligibility requirements for Louisiana Teaching Certificate in field of study to earn credit and grade. (Candidate must pass PRAXIS Educational Leadership test to complete course)

## EDUCATIONAL FOUNDATIONS (EDFN)

### For Undergraduates and Graduates

- 401. ASSESSMENT. 3 cr.** Principles of tests and measurement for elementary and secondary teachers; types of tests, essentials of test items; objective and standardized tests. Prerequisite: Must be admitted to Teacher Education. For graduate credit, a valid Louisiana teaching certificate or written permission of Certification Coordinator. F,Sp,S
- 430. SPECIAL TOPICS. 1-6 cr. Maximum, 6 cr.** A. Study of International Education on Location; B. Study of United States School Systems on Location; C. Comparative Education; D. Evaluation in Education; E. Educational Technology and Media.
- 436. EDUCATIONAL DATA PROCESSING. 3 cr.** Principles of electronic data processing in education.
- 439. FUNDAMENTALS OF STATISTICS IN EDUCATION. 3 cr.** Tools necessary for competence in education statistics. Algebraic, geometric and trigonometric functions; principles of scaling and score transformation; principles of reliability and validity estimation. Prerequisite: For graduate credit, a valid Louisiana teaching certificate or written permission of Certification Coordinator.
- 481. CONTINUING STUDIES IN EDUCATIONAL FOUNDATIONS. 1-3 cr.** Various topics in educational foundations including educational evaluation, media and technology. Credit may not be applied toward a degree. May be repeated. Grade of CR (Credit) or NC (No Credit) will be awarded.
- 491. DIRECTED STUDY. 1-6 cr.** Investigative study on selected problems by students with particular needs.

## For Graduates Only

- 524. UTILIZATION OF INSTRUCTIONAL TECHNOLOGIES. 3 cr.** This course provides an overview of the selection, organization, and integration of technology-based instruction materials, computer software, and computer hardware systems into instructional settings. Prerequisite: CURR 285 or equivalent.
- 525. INSTRUCTIONAL TELECOMMUNICATIONS, NETWORKS AND THE INTERNET. 3 cr.** This course assumes familiarity with the World Wide Web. Students will develop skills in the use of planning, development, implementation, and management of distance learning, networking, and Internet use for teaching and learning. Students will engage in hands-on activities that demonstrate the required skills. Prerequisite: CURR 285 or equivalent.
- 527. TRENDS IN INSTRUCTIONAL TECHNOLOGY. 3 cr.** Survey course of past, present and future aspects of instructional technology as it relates to instructional settings.
- 528. INSTRUCTIONAL MEDIA DEVELOPMENT. 3 cr.** This course provides instruction in organization, design, preparation, and application of technology-based production of instructional materials for print and Web-based distribution. Prerequisite: Curriculum and Instruction 285 or equivalent.
- 539. STATISTICS AND DATA PROCESSING IN EDUCATION. 3 cr.** Theory and application of frequency distribution, graphic methods, central tendency, variability, correlation, sampling, and hypothesis testing. Introduction to nonparametric statistics. F
- 553. HISTORY OF EDUCATION. 3 cr.** Development of educational theory and practice from ancient to modern times.
- 554. PHILOSOPHY OF EDUCATION. 3 cr.** Philosophical bases of educational policies and practices. F
- 555. INSTRUCTIONAL DESIGN AND PROGRAM DEVELOPMENT. 3 cr.** Application of instructional design principles to solve performance and instructional problems in school and non-school environments by providing experiences in instructional program development, curriculum design, analysis of state and national school technology standards and planning, design, implementation, and evaluation of technology staff development activities as well as related experiences in non-school environments.
- 581. RESEARCH. 3 cr.** Principal research methods; study of existing research; application of research principles. F, Sp, Sum
- 625. DESIGN AND DEVELOPMENT OF MULTIMEDIA AND INTERACTIVE INSTRUCTION. 3 cr.** This course provides an overview of the process of researching, planning, designing, implementing, and evaluating multi-sensory instructional units. Hands-on class projects will be developed that result in an integrated instructional approach to teaching and learning. Prerequisites: Educational Foundations 555.
- 626. TECHNOLOGY LEADERSHIP IN SCHOOLS. 3 cr.** This course will provide a foundation for managing technology for teaching and learning at the school site. These skills include school-wide planning that incorporates instructional design, curriculum integration with the standards, logistics of technology implementation with the local site, training, and evaluation. Students will implement projects for local site improvement. Prerequisite: Educational Foundations 555 or permission of the instructor.
- 627. TECHNOLOGY PLANNING AND ADMINISTRATION. 3 cr.** This course includes experiences in technology planning, facilities and resource management, technology staff and persuTOneiM..m34

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- 691. ADVANCED EDUCATION STATISTICS. 3 cr.** Parametric and non-parametric inferential statistics; analysis of variance, covariance, partial and multiple, correlation and special techniques of correlation with computer programming and application. Prerequisite: 539.
- 692. RESEARCH SEMINAR. 3 cr.** An integration of research theory and techniques, including computer usage, measurement theory and statistical design. Emphasizes development of hypotheses, principles of research design, and development of the research proposal. Prerequisite: 539 and 581 or their equivalent. Sp, Sum II.

### EDUCATIONAL INSTRUCTIONAL TECHNOLOGY (EDIT)

#### For Graduates Only

- 525. INSTRUCTIONAL TELECOMMUNICATIONS, NETWORKS AND THE INTERNET. 3 cr.** This course assumes familiarity with the World Wide Web. Students will develop skills in the use of planning, development, implementation, and management of distance learning, networking, and Internet use for teaching and learning. Students will engage in hands-on activities that demonstrate the required skills. Prerequisite: CURR 285 or equivalent.
- 527. TRENDS IN INSTRUCTIONAL TECHNOLOGY. 3 cr.** Survey course of past, present and future aspects of instructional technology as it relates to instructional settings.
- 528. INSTRUCTIONAL MEDIA DEVELOPMENT. 3 cr.** This course provides instruction in organization, design, preparation, and application of technology-based production of instructional materials for print and Web-based distribution. Prerequisite: Curriculum and Instruction 285 or equivalent.
- 555. INSTRUCTIONAL DESIGN AND PROGRAM DEVELOPMENT. 3 cr.** Application of instructional design principles to solve performance and instructional problems in school and non-school environments by providing experiences in instructional program development, curriculum design, analysis of state and national school technology standards and planning, design, implementation, and evaluation of technology staff development activities as well as related experiences in non-school environments.
- 625. DESIGN AND DEVELOPMENT OF MULTIMEDIA AND INTERACTIVE INSTRUCTION. 3 cr.** This course provides an overview of the process of researching, planning, designing, implementing, and evaluating multi-sensory instructional units. Hands-on class projects will be developed that result in an integrated instructional approach to teaching and learning. Prerequisites: Educational Instructional Technology 555.
- 626. TECHNOLOGY LEADERSHIP IN SCHOOLS. 3 cr.** This course will provide a foundation for managing technology for teaching and learning at the school site. These skills include school-wide planning that incorporates instructional design, curriculum integration with the standards, logistics of technology implementation with the local site, training, and evaluation. Students will implement projects for local site improvement. Prerequisite: Educational Instructional Technology 555 or permission of the instructor.
- 627. TECHNOLOGY PLANNING AND ADMINISTRATION. 3 cr.** This course includes experiences in technology planning, facilities and resource management, technology staff and personnel management, funding and budgetary issues, technology policies and procedures, school connectivity planning, and purchasing practices. Prerequisite: Six hours in instructional media and technology services, including 426. (Formerly Administration of Educational Media Programs.)
- 628. ADVANCED TELECOMMUNICATIONS AND DISTANCE EDUCATION. 3 cr.** This course includes experiences in development of Internet/Web-based learning materials and resources, overview of distance technologies for learning, national curriculum standards, advanced Internet applications, research on the applications of telecommunications and other distance technologies in education, emerging telecommunications and distance learning technologies, and methodologies for distance/on-line instruction and student support. Prerequisites: Educational Instructional Technology 525
- 680. INSTRUCTIONAL TECHNOLOGY RESEARCH, EVALUATION, AND ASSESSMENT. 3 cr.** Identification and application of instructional and technology-related research, the psychology of

**683. EDUCATIONAL TECHNOLOGY INTERNSHIP. 3 cr.** This course provides 120 clock hours of supervised field-based experience in instructional technology application or administration. Placement in P-12, higher education, or business settings will be determined by student's degree focus.

## **EDUCATIONAL LEADERSHIP (EDLE)**

**For Graduates Only**

**500. TEACHER LEADER I: USING DATA FOR SCHOOL IMPROVEMENT. 3 cr.** Emphasizes

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- 560. EDUCATIONAL LEADERSHIP INTERNSHIP II. 3 cr.** Capstone experience for all candidates seeking administrative certification. Supervised experience in multiple settings beginning before school starts (EDLE 555) and ending after school ends (EDLE 560). Supervision provided by school district mentor and a university faculty member. Includes planned, problem-based experiences including a minimum of 120 clock hours on-site work in 14 specified areas. Two major projects will be completed each semester. (EDLE 560 SPRING semester only)

### **ELEMENTARY EDUCATION (ELED)**

#### **For Undergraduates and Graduates**

- 425. WORKSHOP IN ELEMENTARY EDUCATION. 3 cr. Maximum, 12 cr.** In-service workshop designed to meet identified needs of individuals, schools, or districts. May not be applied to degree.





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- 444. WRITING IN THE SCIENCES. 3 cr.** A composition course that focuses on writing professional documents (abstracts, proposals, research) in the various science disciplines and developing professional presentations for the scientific community. Emphasis on rhetorical strategies and the conventions of scientific discourse. Prerequisite: 220 (A), (B), (C), or (D) or consent of department head.
- 471. MEDIEVAL LITERATURE. 3 cr.** Selected English or European works before 1500, excluding Chaucer.
- 472. RENAISSANCE. 3 cr.** Non-dramatic poetry and prose of the Tudor Period.
- 473. SEVENTEENTH CENTURY. 3 cr.** Development of English prose and poetry from the beginning of the Jacobean Age through the Restoration.
- 474. EIGHTEENTH CENTURY. 3 cr.** Major English writers of the Augustan and Johnsonian periods.
- 475. ROMANTIC MOVEMENT. 3 cr.** Works of major writers of the Romantic period, with emphasis on Wordsworth, Coleridge, Byron, Shelley, and Keats.
- 476. VICTORIAN PERIOD. 3 cr.**

- 532. SPECIAL TOPICS: FORMS AND THEORIES OF CREATIVE WRITING. 3 cr. Maximum, 6 cr.** A seminar in the works and aesthetics of modern and contemporary writers, both poets and fiction writers. May be repeated for credit.
- 533. CREATIVE WRITING FOR TEACHERS. 3 cr.** A seminar in theories of the creative process and in the teaching of creative writing.
- 540. THE RHETORIC OF SCIENTIFIC AND TECHNICAL DISCOURSE. 3 cr.** An examination of the primary modes of scientific discourse, the theories behind those modes, and the evolution of those modes into modern forms of technical discourse.
- 550. ADVANCED LITERARY THEORY. 3 cr.** Advanced study of literary theory in an interdisciplinary perspective. Subject matter varies.
- 551. ADVANCED MULTICULTURAL LITERATURE. 3 cr.** Advanced study of the multicultural literature of the world through theoretical and close textual analysis of the literature of a specific culture. Subject matter varies.
- 591. DIRECTED RESEARCH. 3-6 cr.** Individual study of topics under the direction of a senior faculty member. Prerequisites: 21 graduate hours of English and approval of the student's adviser and of the department head.
- 599. THESIS. 1-6 cr.** Grades of CR (Credit) or NC (No Credit) will be awarded.

## ENTREPRENEURSHIP (ENTR)

### For Graduates Only

- 531. ENTREPRENEURSHIP. 3 cr.** The role of entrepreneurs, entrepreneurship, and intrapreneurship in society. Entrepreneurship theory. Special attention given to exploring the unique aspects of entrepreneurship including identifying, assessing, and developing business ideas—practical entrepreneuring. Prerequisite: Accounting 502 or equivalent.
- 532. NEW VENTURE CREATION. 3 cr.** Creating and starting a new venture; developing, planning, and financing a new enterprise; and insuring the success of new ventures during growth. Recreating the enterprise; managing for succession; and harvesting an entrepreneurial venture. Prerequisite: Accounting 502 or equivalent.
- 533. ENTREPRENEURIAL AND SMALL BUSINESS PROBLEMS. 3 cr.** Consideration of the problems peculiar to entrepreneurial ventures and small business firms regarding personnel, finance, marketing, production, and general management, and family/closely held business issues. Practicum. Prerequisite: Accounting 502 or equivalent.

## EXERCISE SCIENCE (EXSC)

### For Graduates Only

- 504. ADVANCED PHYSIOLOGY OF EXERCISE I. 3 cr.** Exercise physiology and its application to physical conditioning with emphasis on energy metabolism, nutrition, body composition and ergogenic aids. Prerequisite: Kinesiology 437 or Approval of Department of Head.
- 505. ADVANCED PHYSIOLOGY OF EXERCISE II. 3 cr.** Exercise physiology and its application to physical conditioning and training with emphasis on the pulmonary system, cardiovascular system, endocrine system, muscular system, aging, and environmental stress. Prerequisite: Kinesiology 437 or Approval of Department Head.
- 507. RESEARCH METHODS IN EXERCISE SCIENCE. 3 cr.** Study of principal research methods, significant existing research; and application of research principles to exercise science.
- 510. EXERCISE PRESCRIPTION AND LEADERSHIP. 3 cr.** A concentrated study of various theories, procedures, and techniques of exercise testing and leadership. Prerequisites: Kinesiology 437 or Approval of Department Head.
- 512. EXERCISE ELECTROCARDIOGRAPHY. 3 cr.** This course is designed to examine the theory and practice of electrocardiography with emphasis placed on ECG's administered during exercise tests. Prerequisite: Zoology 205 or equivalent.
- 524. EXERCISE SCIENCE PERSPECTIVES FOR SPECIAL POPULATIONS. 3 cr.** An examination of specialized exercise science considerations among various groups, with emphasis given to the elderly, females, children, and other unique populations.
- 527. MEASUREMENT AND EVALUATION. 3 cr.** Analysis of existing measurements and norms with emphasis on test construction and evaluation. The course will include the use of computer statistical analysis program (SPSS) on how to enter data, choose an appropriate statistical tool, and then interpret the results.

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- 530. ADVANCED ANATOMICAL KINESIOLOGY. 3 cr.** Detailed investigation of the anatomical and biomechanical systems responsible for human movement.
- 538. CARDIOVASCULAR PHYSIOLOGY. 3 cr.** A comprehensive study of the heart and circulatory systems with particular emphasis placed on both normal and abnormal physiological responses of the cardiovascular system to exercise. Prerequisite: Kinesiology 437 or equivalent.
- 539. CARDIAC REHABILITATION. 3 cr.** An examination of the concepts leading to design, implementation, and maintenance of cardiac rehabilitation programs. Emphasis is placed on the exercise component of cardiac rehabilitation programs, with attention also given to lifestyle and psychological interventions. Prerequisite: 538 or equivalent.
- 591. DIRECTED STUDY. 3 cr. Maximum, 6 cr.** Study and/or research of A. Sports Medicine; B. Health; C. Selected topics. Prerequisites: Approval of Department Head and Major Professor.
- 595. PROFESSIONAL INTERNSHIP (EXERCISE SCIENCE). 3-6 cr.** On site clinical training for exercise science majors.
- 599. THESIS. 3-6 cr.** Grades of CR (Credit) or NC (No Credit) will be awarded.

## FAMILY AND CONSUMER SCIENCES (FCSC)

(Formerly Home Economics)

### For Undergraduates and Graduates

- 412. ADVANCED NUTRITION. 3 cr.** Problems in human nutrition. Investigation of recent developments in the field of nutrition.
- 415. PROBLEMS. 1-6 cr. Maximum, 6 cr.** Problems in A. Clothing and Textiles; B. Equipment and Home Management; C. Family Relations and Human Development; D. Foods and Nutrition; E. Family and Consumer Sciences Education; and F. Housing and Home Furnishings. Prerequisite: Approval of Department Head.
- 417. FASHION MERCHANDISING PRACTICUM. 1-6 cr. Maximum, 6 cr. for undergraduates; Maximum, 3 cr. for graduates.** An in-depth experience planned and supervised to meet individual needs of students. Includes work experience and/or field study. Prerequisites: Senior standing; 329.
- 422. HISTORY OF COSTUME. 3 cr.** Styles of costumes in western civilization from ancient times to the present day; cultural and economic factors associated with the development, adoption, and decadence of styles.
- 431. PARENTING: FATHERS, MOTHERS, AND CHILDREN. 3 cr.** Practical knowledge of parenting roles. Interrelationships of fathers, mothers, and children. Current issues in parenting, including bonding, discipline, child care, family crises, support systems and non-traditional parent situations. Parents and children in historical and contemporary perspectives.
- 435. HOUSING THE ELDERLY. 3 cr.** Examination and application of the guidelines, issues and choices associated with housing disruption and relocation of the elderly. (Same as Gerontology 435.)
- 436. NUTRITION AND AGING. 3 cr.** Application of concepts of nutrition directed toward improving nutritional status and health. Federal, state and community programs will be discussed.
- 439. MENTORING CHILDREN. 3-6 cr.** Hands-on experience in working with children and families, research, intervention strategies, communication skills, planning activities and implementing mentoring programs. Open to majors and non-majors.

### For Graduates Only

- 501. INNOVATIONS IN FAMILY AND CONSUMER SCIENCES. 1-6 cr. Maximum, 6 cr.** Investigations and analysis of curricula and research and its application to current issues, trends, and technologies in the content areas of family and consumer sciences as it relates to concerns of the family, home, and society. (Formerly Innovations in Home Economics.)
- 502. SUPERVISION OF STUDENT TEACHING IN VOCATIONAL FAMILY AND CONSUMER SCIENCES. 3 cr.** Problems involved in the preparation of family and consumer sciences teachers with emphasis upon the provision of learning experiences for student teachers. (Formerly Home Economics Education 502 - Supervision of Student Teaching in Vocational Home Economics.)
- 503. FAMILY AND CONSUMER SCIENCES RELATED OCCUPATIONS. 1-6 cr. Maximum, 6 cr. A.** Clothing and Textiles, B. Foods and Nutrition, C. Family Relationships and Child Development, D. Related Services, E. Organization and Administration. Program development including needs assessment, planning, student recruitment, facilities, and instructional programs in the content areas of vocational home economics. Organization and administration of home economics related occupational programs. Experience with selected work stations, employee relationships,



**GEOGRAPHY  
(GEOG)**

**For Undergraduates and Graduates**

- 401. **NORTH AMERICA. 3 cr.** A regional study, with attention to the influence of climate, topography, and natural resources on industry and trade.
- 403. **LATIN AMERICA. 3 cr.** A regional study of the configuration, climates, natural resources, cultural patterns, and peoples.
- 405. **AFRICA. 3 cr.** The geographical features, with particular reference to economic, social and political developments; a study of the heritage and background, physical and cultural, of the present-day African-American culture.
- 407. **EUROPE. 3 cr.** General distribution of natural and cultural features with detailed study of selected areas.
- 409. **ASIA. 3 cr.** A survey of the physical environment of the continent as a whole, followed by a detailed study of China, India, and Japan.
- 411. **THE ARCHEOLOGY OF NORTH AMERICA. 3 cr.** The archeological background of North America from Mexico to the Arctic Circle; progressive states of development of prehistoric North American cultures. (Same as Anthropology 411.)
- 412. **FORMER SOVIET UNION. 3 cr.** Physical and cultural environments, with special emphasis on climates, resources, industrializations, and population distribution.
- 414. **THE INDIANS OF NORTH AMERICA. 3 cr.** Survey of the distribution and principal regional lifeways of North American Indian groups prior to disruption, dispersal, and the implementation of the reservation system. (Same as Anthropology 414.)
- 415. **POLITICAL GEOGRAPHY. 3 cr.** Problems in production, trade, government, and world development growing out of geographic conditions. Prerequisites: 101, 102.
- 418. **URBAN. 3 cr.** A geographic approach to the study of urban areas stressing location, historical development, distribution, size, growth and function; emphasis on current urban problems. Prerequisites: 101, 102.
- 420. **LATIN AMERICAN FIELD COURSE. 3 cr.** Supervised geographic research and observation in a Latin American setting. Local examples illustrate broad themes in the historical shaping of the Latin American landscape. The course introductory meetings at ULM followed by field observation and discussion in a Latin American location. Prerequisite: 403 or Permission of the Instructor.
- 421. **THE ARCHEOLOGY OF MEXICO. 3 cr.** An in-depth view of the development of pre-Hispanic Mexican and Meso-American cultures and civilizations from Paleo-Indian times to the Spanish Conquest; an overview of the major archeological sites pertinent to these cultures. (Same as Anthropology 421.)
- 423. **ARCHEOLOGICAL FIELD TECHNIQUES. 6 cr.** A field course introducing the basic techniques of archeological mapping, excavation, cataloging, specimen preparation and preservation. A study of soils, physical stratigraphy, synecology, and techniques of artifact laboratory analysis. May be repeated once for a maximum of 12 hours credit. (Same as Anthropology 423.)

**For Graduates Only**

- 501. **DEVELOPMENT OF GEOGRAPHIC THOUGHT. 3 cr.**

- 402. PLATE TECTONICS. 3 cr.** A thorough treatment of the underlying processes driving the processes active in the solid earth, and how these processes affect modern interpretations of the geologic record. Prerequisites: 303, 309, 327, and Geosciences 330.
- 403. PETROLEUM. 3 cr.** The origin, geologic distribution, and accumulation of petroleum. Prerequisites: 303, 323.
- 405. ECONOMIC GEOLOGY—METALS. 3 cr.** The origin and distribution of metallic ores. Prerequisites: 215, 217.
- 406. ECONOMIC GEOLOGY—NON-METALS. 3 cr.** The origin, distribution, geology, and use of non-metallic ores with emphasis on Louisiana's economic minerals. Prerequisites: 215, 217.
- 407. SUBSURFACE. 2 cr.** Study and application of subsurface methods. Prerequisites: 303, 323.
- 408. SUBSURFACE LABORATORY. 2 cr.** Six hours laboratory to accompany 407.
- 410. GEOCHEMISTRY. 3 cr.** Basic principles governing the origin, distribution, and migration of elements in the earth. Prerequisites: 215, 217.
- 413. PHYSICAL MARINE. 3 cr.** A general introduction to the physical processes at work on the shores of the Mississippi Sound, with emphasis on the erosional and depositional effects of waves and currents at various tidal stages. Conducted each summer under the direction of the staff of the Gulf Coast Marine Laboratory at Ocean Springs, Mississippi. Prerequisites: 327, 329, or Approval of Department Head.
- 414. CHEMICAL MARINE. 3 cr.** Supervised research in the chemistry of the water of the Mississippi Sound and the geochemistry of the bottoms beneath these waters. Conducted each summer under the direction of the staff of the Gulf Coast Marine Laboratory at Ocean Springs, Mississippi. Prerequisites: 327, 329, and Chemistry 108, 111, 203, 204, or Approval of Department Head.
- 415. VERTEBRATE PALEONTOLOGY. 2 cr.** A survey of the vertebrates through geologic time with special emphasis on morphology, function, evolution, time and spatial distribution. Prerequisites: 102, 104, and/or Zoology 101, 103.
- 417. GROUND-WATER GEOLOGY. 3 cr.** An introduction to water beneath the surface of the earth. Emphasis is given to the mode of occurrence, migration and relationship to enclosing rock masses. Prerequisites: 101, 102.
- 418. PLANETARY GEOLOGY. 3 cr.** A survey of the geologic processes operating on the solid surface planetary bodies. Comparative geologic histories of the terrestrial planets and major satellites. Prerequisite: 303.
- 419. MICROPALAEONTOLOGY. 1 cr.** Study of microfossils, their classification, morphology, environmental significance and use in correlation. Prerequisites: 211, 213, and/or Zoology 101, 103.
- 423. X-RAY AND OPTICAL MINERAL ANALYSIS. 2 cr.** Principles and techniques of mineral identification and analysis using the x-ray diffractometer and petrographic microscope. Prerequisites: 215, 217.
- 424. X-RAY AND OPTICAL MINERAL ANALYSIS LABORATORY. 2 cr.** Six hours laboratory to accompany 423.
- 425. SEDIMENTATION. 2 cr.** The genesis, transportation, deposition, and classification of sediments; tectonic and environmental factors influencing deposition and sedimentary structure. Prerequisites: 211, 213.
- 426. SEDIMENTATION LABORATORY. 1 cr.** Three hours laboratory to accompany 425.
- 429. MICROPALAEONTOLOGY LABORATORY. 2 cr.** Six hours laboratory to accompany 419.
- 430. COAL. 3 cr.** A study of the physical and chemical properties of the various ranks of coal, distribution, origin, microscopic analysis, utilization, evaluation, methods of extraction, and land reclamation. Prerequisites: 327, 329.

#### For Graduates Only

- 501. ADVANCED MICROPALAEONTOLOGY. 1 cr.** Systematic research into foraminifers or ostracodes, their ecology, stratigraphy, evolution and classification.
- 502. SPECIAL TOPICS. 1-6 cr. Maximum, 6 cr.** Topics not covered in regularly scheduled courses. Arrangement must be made with the appropriate staff member and the approval of the department head must be obtained before registration. Topics: A. Paleontology/Stratigraphy;

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B. Sedimentary/Geomorphology; C. Hydrology/Environmental Geology; D. Petrology/Geochemistry; E. Structural Geology/Tectonics; F. Planetary Geology.

**507. ADVANCED PALEONTOLOGY (PALEOECOLOGY). 2 cr.** Principles of Paleocology for marine to brackish water invertebrates. Prerequisite: 211.

**509. ADVANCED SEDIMENTATION. 2 cr.** Analysis of the processes of physical sedimentation;



toxicity, national and worldwide soil type distribution. Prerequisite: Geology 101 or Geography 213 or Permission of the Instructor.

- 416. SEMINAR. 1 cr. Maximum, 3 cr.** Presentation of oral and written reports on current geology literature and problems of special interest.
- 420. HUMAN IMPACT ON THE ENVIRONMENT. 3 cr.** This course will assess the environmental changes caused by human activity. Specifically, attention will be focused on human impacts on vegetation, animals, soil, hydrology, geomorphology, and climate. Prerequisite: Geography 213 or GEOS 330 or Permission of the Instructor.
- 430. SURFACE HYDROLOGY. 3 cr.** Fundamentals of surface hydrology including: components of the hydrologic cycle; hydrographs; flood frequency analysis; and flood routing through rivers, reservoirs, and watersheds. Includes practical exercises and the use of personal computers. Prerequisites: Geology 101 or Permission of the Instructor.
- 435. PRINCIPLES OF GEOGRAPHIC INFORMATION SYSTEMS (GIS). 3 cr.** Techniques for analyzing, displaying and managing geographic data topics including: structure of geographic data bases, principles of digital cartography, basic spatial statistics, and analysis of spatial relationships using GIS. Prerequisite: Junior or senior standing.
- 440. ENVIRONMENTAL EARTH SCIENCE. 3 cr.** A survey of the interactions between people and the physical environment, including hazardous earth processes, hydrology and pollution, waste disposal, environmental health, mineral resources, energy, and land use. Prerequisites: Any of the following Geosciences 101, 402, Geology 101, 206, Geography 213.
- 441. GEOENVIRONMENTAL SEMINAR. 1 cr. Maximum, 3 cr.** Geoenvironmental topics are examined in depth through library research, audiovisual materials analysis, and interactive software. Investigations are presented and critiqued during round table discussions. Assigned topics vary each semester. Prerequisite: Any pertinent basic science course or Permission of the Instructor.
- 445. ADVANCED GEOGRAPHIC INFORMATION SYSTEMS (GIS). 3 cr.** A project-oriented course intended to demonstrate how principles learned in Geosciences 435 can be applied to solving complex real-world problems. Prerequisite: Geosciences 435 or Permission of Instructor.
- 450. REMOTE SENSING OF THE ENVIRONMENT. 3 cr.** This course will cover the basics and the interpretation of remote sensing data that will include aerial photography, U.S. and French satellite imagery, thermal infrared, Sideways Looking Radar, Synthetic Aperture Radar, and other airborne platforms such as the Daedalus Multispectral Scanner used by NASA.
- 460. ARCHEOLOGY AND GEOLOGY OF NATURAL DISASTERS. 3 cr.** Case studies of the archeological and geologic evidence for the history, causes, and effects of historical and prehistoric natural disasters. Use of archeological and geologic data to develop realistic supportable scenarios for the natural disasters will be stressed. Prerequisites: Anthropology 201; Geology 101, 102.
- 491. RESEARCH. 1-6 cr. Maximum, 6 cr.** Research problems that can be completed in one semester. Three hours laboratory per week for each credit hour. A written proposal with a list of references must be submitted to and be approved by the supervising professor and department head. Results of work will be presented in a seminar. Prerequisites: Junior or senior standing in geosciences.

#### For Graduates Only

- 505. ADVANCED SURFACE WATER HYDROLOGY. 3 cr.** Advanced treatment of surface water drainage systems, with particular emphasis on urban watersheds. Will include numerical modeling of watershed drainage systems. Prerequisite: 430.
- 510. REGIONAL GEOMORPHOLOGY. 3 cr.** Evolution of landforms and surficial geologic systems within a specific region. Particular emphasis will be placed on processes active in the river and wetland systems, and development of characteristic landforms. A. Lower Mississippi River Valley; B. Gulf Coast Physiographic Province. Prerequisites: 330-331, Geology 417, 425-426.
- 591. DIRECTED STUDY. 1-6 cr. Maximum, 6 cr.** Investigative advanced study and selected problems in: A. Advanced Urban Geography; B. Archeological Analysis; C. Paleoclimatology; D. Paleoeological Analysis; E. Metamorphic Petrography; F. Sedimentary Petrography. A written proposal with a list of references must be submitted to and be approved by the supervising professor and department head. Results of work will be presented in a seminar.
- 599. THESIS. 1-6 cr.** A written proposal with a list of references must be submitted to and be approved by the supervising professor and department head. Results of work will be presented in a seminar. Grades of CR (Credit) or NC (No Credit) will be awarded.

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### GERONTOLOGY (GERO)

#### For Undergraduates and Graduates

- 410. ECONOMICS OF AGING. 3 cr.** An examination of issues related to the economic status of persons as they grow older. Attention will be given to problems and policies which relate to income maintenance, planned and unplanned expenditures, inflation, reduced income, post-retirement employment, public and private pensions, health insurance, pre-retirement counseling and legislative reforms. (Formerly Economics 510, Same as Economics 410.)
- 411. SOCIAL WORK PRACTICE WITH THE ELDERLY. 3 cr.** An introduction to the social, economic, and psychological dimensions of aging using a person-in-environment approach. (Same as SOCW 411).
- 424. WOMEN AND AGING. 3 cr.** Examines the life experiences of women as they age. Emphasis is on sociological influences on perceptions of aging among women and on aging women's roles in society. (Same as Sociology 424.)
- 425. SEMINAR IN DEATH AND DYING. 3 cr.** Exploration of the social organization of dying, including a view on cross-cultural perspectives on death, treatment of the dying patient, and the grief process. (Same as Sociology 425.)
- 427. FIELD WORK IN GERONTOLOGY. 1-3 cr.** Student placement in a senior center, social service agency, nursing home, or hospital for nine hours per week. Students already employed in an agency will take Sociology 428. Prerequisite: Approval of Department Head. (Formerly Sociology 427.)
- 428. DIRECTED RESEARCH IN GERONTOLOGY. 1-3 cr.** Individual examination of a relevant problem in Gerontology as approved and directed by student's major professor. Prerequisite: Approval of Department Head. (Formerly Sociology 428.)
- 430. ELDER ABUSE. 3 cr.** An examination of the definition, causes, and theories associated with the problem of elder abuse. Relevant research regarding the historical perspectives, recognition of abuse, assessment techniques, and interventions will be presented.
- 431. ELDER LAW. 3 cr.** An examination of legal challenges older Americans are facing as they plan their later years and seek to maximize their quality of life. These challenges include age discrimination in employment, housing alternatives and options, financial management and planning, medical needs and attention, and consent, and long-term care.
- 435. HOUSING THE ELDERLY. 3 cr.** Examination and application of the guidelines, issues and choices associated with housing disruption and relocation of the elderly. (Same as Family and Consumer Sciences 435. Formerly Gerontology 503 and Sociology 503, Gerontological Housing and Aging.)
- 452. QUALITATIVE RESEARCH. 3 cr.** Examines the conceptualization; selection and protection of participants; data collection, analysis, and presentation; ethical issues; and strengths and weaknesses of qualitative research. (Same as SOCL 452)

#### For Graduates Only

- 502. LIFESTYLES ISSUES AND RESOURCE MANAGEMENT IN AGING. 3 cr.** A sociological investigation into leisure activities among the aged, issues in pre-retirement and retirement, managing resources, holistic health and lifestyle changes, nutrition, and stress reduction. (Same as Sociology 502.)
- 510. BIOLOGY OF AGING. 3 cr.** A review of the fundamental aspects of biological aging; age-related anatomical and physiological changes displayed by humans and other mammals at the molecular, cellular, and organismic levels. (Same as Biology 510.)
- 512. SOCIAL GERONTOLOGY. 3 cr.** An examination of social aspects of adjustment to aging, attitudes toward aging, social-psychological and sociological theories of aging, successful aging, family patterns, intergenerational relationships, leisure, and retirement. Attention will be given to demographic changes, middle age, minority aged, and adult socialization. (Same as Sociology 512. Formerly Sociology 510 - Sociology of Aging.)
- 515. MINORITY AGING. 3 cr.** This course will examine the current state of gerontological knowledge about each of the federally designated minority group populations: African Americans, American Indians, Asian/Pacific Islanders, and Hispanics. Each student will have the opportunity to explore the state of knowledge about a particular group or a research issue across populations. Prerequisite: Permission of Instructor.
- 520. MINORITY HEALTH AND AGING. 3 cr.** An examination of ethnic and cultural variations in physical and mental health status among minority aged individuals. Topics include morality, morbidity, social and environmental influences on health status, individual risk factors, functional impairment, and the relation of these issues to the use of health care services.



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### GOVERNMENT (GOVM)

#### For Undergraduates and Graduates

403. **ETHICS. 3 cr.** A study of the theoretical foundations of morality with reference to approaches to ethical thought, character, and action. Concepts include good and evil, right and wrong, obligation and rights, responsibility freedom. The application of these concepts to the working out of particular ethical problems. (Same as PHIL 403).
406. **POLITICAL PARTIES, CAMPAIGNS & ELECTIONS. 3 cr.** Political parties, Campaigns and Elections focuses on three closely related topics and phenomena: parties, campaigns and elections in the American context. We will be seeking to understand their parallel, and in some sense, symbiotic development and relationships. We will study the history of party politics in the United States, focusing on change and development in relationship to the dynamic American Republic. Prerequisite: GOVM 201.
407. **WESTERN POLITICAL THEORY. 3 cr.** A study of political theory beginning with Plato and the ancient Greeks and continuing through Middle Ages, Reformation, and Enlightenment to Marx, Mills and the modern age. The central questions of political thought are explored e.g., what is the good?; what is justice?; how is political authority acquired? Where does sovereignty reside? And how do we incur obligations? Prerequisite: GOVM 201.
413. **CONSTITUTIONAL LAW: GOVERNMENTAL POWERS. 3 cr.** A study of the U.S. Constitution through analysis of decisions of the Supreme Court. The cases demonstrate the nature of judicial function, the nature of the federal system, and the scope and character of the process of the national government. Prerequisite: 201 or Approval of Department Head and Permission of the Instructor.
414. **CONSTITUTIONAL LAW: CIVIL RIGHTS. 3 cr.** A study of the U.S. Constitution through analysis of decisions of the Supreme Court. The cases demonstrate the scope and character of the limitations on governmental powers concerning civil rights such as speech, press, religions, and rights against discrimination. Prerequisite: 201 or Approval of Department Head and Permission of the Instructor.
417. **PUBLIC ADMINISTRATION AND ADMINISTRATIVE LAW. 3 cr.** Structure and processes of public administration, practices and processes of public administration, practices in personnel, organization and development of administrative law. Prerequisite: 201.
418. **CONSTITUTIONAL LAW AND CRIMINAL JUSTICE. 3 cr.** Study of constitutional law and its applicability in the criminal justice system. Prerequisite: 201.
420. **LOUISIANA GOVERNMENT AND POLITICS. 3 cr.** Development and organization of political processes in Louisiana; contemporary problems of Louisiana state and local governments.
421. **AMERICAN POLITICAL THEORY. 3 cr.** This course focuses on the origin and development of American political thought. Topics include Locke and liberalism, Puritanism and republicanism, Paine and the revolutionary impulse, Founders and Anti-Federalists, Jefferson's agricultural republic, Tocqueville's social America, Jacksonian democracy, Lincoln and Calhoun, populists, progressives and pragmatists, New Dealers and social engineers. Prerequisite: GOVM 201.
423. **AMERICAN URBAN POLITICS. 3 cr.** An analysis of the structure and functions of contemporary city governments with considerable attention devoted to basic problems. Special emphasis on local government in Louisiana.
429. **WOMEN AND POLITICS. 3 cr.** An examination of the role that women have played in the development of the U.S. political system, including historical analysis of the barriers to women's participation and the impact of politically active women on contemporary issues.
433. **THE JUDICIAL PROCESS. 3 cr.**

**453. INTERNATIONAL POLITICS. 3 cr.** The nation-state system, power politics, processes affecting



- 476. ANCIENT ROME. 3 cr.** Ancient Rome from Romulus through the early Empire, with an emphasis on the development of Roman traditions during the Republic and the transition from Republic to Empire under the Julio-Claudians. Roman government, class structure, and the significance of important historical figures will be emphasized. Prerequisite: 111.
- 477. THE MIDDLE AGES. 3 cr.** The social, cultural, religious, political, and economic history of Europe from the end of the Roman Empire to the Renaissance. Particular attention is devoted to the Church, feudalism, manorialism, political institutions, and the rise of towns and capitalism. Prerequisite: 111.
- 478. RENAISSANCE AND REFORMATION. 3 cr.** The transition in Western civilization from the medieval to the modern era, 1300 to 1648; cultural, economic, social, religious, and political developments of the era. Prerequisite: 111.
- 479. ABSOLUTISM AND REVOLUTION, 1610-1815. 3 cr.** This course surveys the political, social, economic and cultural history of Europe from the birth of Absolutism to the downfall of Napoleon Bonaparte. In addition to addressing the cultural and intellectual changes of the 17th and 18th centuries, this course will focus on the social and economic developments of the period, changes that ultimately shaped the modern world. Particular emphasis will be given to the emerging nation-state, the new scientific world-view, Enlightenment ideology, and the evolutionary turmoil of the late 18th century. Prerequisite: 112. (Formerly Absolutism and Revolution, 1648-1815.)
- 480. EUROPE, 1815-1890. 3 cr.** This course surveys the political, social, economic and cultural history of Europe from the downfall of Napoleon to the golden age of imperial Europe at the end of the 19th century. Topics considered include the effects of industrialization, the impact of widespread revolution, the unification of Bismarckian Germany, and the spread of European Imperialism. Prerequisite: 112. (Formerly Europe, 1815-1914.)
- 481. EUROPE, 1890-1945. 3 cr.** This course surveys European history from the close of the 19th century to the end of World War II. The focus is primarily upon national and international politics, but with careful attention to economic, social and cultural developments in their relationship to political change. Prerequisite: 112. (Formerly Europe Since 1914.)
- 483. TUDOR AND STUART ENGLAND, 1485-1714. 3 cr.** The principal political, economic, social, religious, and cultural developments from the beginning of the Tudor dynasty to the Hanoverians. The New Monarchy and conciliar government; the experiment and failure of the Stuarts in Divine Right Monarchy; the beginnings of party and cabinet government. Prerequisites: 111, 112.
- 485. ENGLISH CONSTITUTIONAL AND LEGAL HISTORY. 3 cr.** Emphasis on the unique legal and

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**495. TOPICS IN HISTORY. 1-6 cr. each. Maximum, 6 cr.** Specialized study of topical events in history. Content varies. A. Canada (3 cr.); B. Local and Family History (3 cr.).

### For Graduates Only

- 504. THE RISE OF SOUTHERN NATIONALISM, 1846-1861. 3 cr.** The developing split between the northern and southern sections during and after the War with Mexico over slavery and its expansion, the tariff, states rights, transcontinental railroads and other issues gave rise to the South seeing itself as a distinctive minority section, which should develop its own nationhood. Other topics to be reviewed will include politics, economics, religion, education, society, and culture.
- 506. CIVIL WAR MILITARY HISTORY. 3 cr.** The Civil War is considered to have been the first modern war. This course will examine how the war transformed warfare in general, the strategy pursued by both the Union and Confederate forces, major campaigns and battles, and the personalities of the opposing leaders.
- 508. LOUISIANA IN THE CIVIL WAR AND RECONSTRUCTION. 3 cr.** A detailed study of the Civil War and Reconstruction in Louisiana and the role the state and its people played in those events. Special emphasis will be placed on military activity during the war and politics and race relations during Reconstruction.
- 510. SEMINAR IN AMERICAN POLITICAL HISTORY. 3 cr.** A seminar in American political history from the nation's early years through the present.
- 512. HISTORY OF WARFARE. 3 cr.** A seminar exploring the conduct of warfare throughout history, emphasizing how it shapes and is shaped by culture.
- 513. THE AMERICAN HERITAGE. 3 cr.** A social and intellectual history of the United States from colonial times to the present with emphasis on ideas and social forces which have shaped the American mind and society.
- 516. THE MAKERS OF AMERICA. 3 cr. each. Maximum, 6 cr.** Biographical studies of prominent Americans: A. 1607-1800; B. 1800-1865; C. 1865-1914; D. 1914-Present; E. Latin America.
- 517. THE AMERICAN REVOLUTION. 3 cr.** This course will investigate the causes, development and impact of the American Revolution upon both domestic and western European societies. An emphasis will be placed upon the evolution of republican thought as well as the Tory/conserva



## **HUMANITIES (HUMN)**

**For Undergraduates and Graduates**

**401. CHANGING VIEW OF THE TWENTIETH CENTURY. 3 cr.** A study of contemporary society, art, science, and culture. Concerned with the problems of "future shock."



- 712. ADVANCED PRINCIPLES OF ORGANIZATION AND ADMINISTRATION OF SCHOOLS. 3 cr.**  
Organization and administration of schools, including fundamental concepts of organization, administration, and management are explored.
- 713. FOUNDATIONS OF HUMAN RESOURCE DEVELOPMENT. 3 cr.** Theories of human resource

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### MANAGEMENT (MGMT)

#### For Undergraduates and Graduates

- 407. COLLECTIVE BARGAINING. 3 cr.** Process of developing and administering agreements between labor and management concerning terms and conditions of employment. Theoretical analysis research reports, and actual bargaining. Prerequisite: 301 and senior standing or approval of department head.
- 414. QUALITY MANAGEMENT. 3 cr.** Management of the continuous quality improvement process. Emphasis is on service and manufacturing industries. Covers a variety of methods and procedures for quality analysis and improvement. Prerequisite: 309 or permission of instructor.
- 481. CONTINUING STUDIES IN MANAGEMENT. 3 cr.** Applied general management for students not pursuing a degree. May be repeated. Credit may not be applied toward a degree in the College of Business Administration. Grades of CR (Credit) or NC (No Credit) will be awarded.

#### For Graduates Only

- 505. SEMINAR IN MANAGEMENT. 3 cr.** Emphasis upon the study of macro-organizational issues including managerial responsibilities for planning, goal-setting, communicating, and controlling in organizations. Prerequisite: 301.
- 507. SEMINAR IN HUMAN RESOURCE MANAGEMENT. 3 cr.** Advanced study of selected administrative and technical policies and practices in employee relations; emphasis on personnel department activities and functions. Prerequisite: 301. (Formerly Seminar in Personnel Management.)
- 519. OPERATIONS AND QUALITY MANAGEMENT. 3 cr.** Current developments/trends in business operations and techniques for continuous improvement of operations. Focus on the application of business practices (planning and controlling operations; forecasting, capacity management; scheduling and resource management.) Prerequisite: 309 or permission of instructor. (Formerly Production and Operations Management.)
- 591. DIRECTED STUDY. 3 cr.** Individual study of advanced management topics under the direction of a Senior faculty member. Prerequisites: Twelve semester hours of BMBA courses and a minimum graduate GPA of 3.5.

### MARINE SCIENCE (MNSC)

#### For Undergraduates and Graduates

- 401. MARINE BOTANY. 4 cr.** Study of marine and coastal algae and vascular plants, including classification, morphology, life cycles, and ecology; emphasis on field and laboratory studies. Prerequisites: 12 hours botany including BIOL 438; Permission of Instructor. Offered summer only. Five weeks at a Louisiana Universities Marine Consortium coastal laboratory.
- 410. MARINE ECOLOGY. 4 cr.** Relationships of marine and estuarine organisms to environmental factors; interactions among organisms; ecological processes of energy and materials flow; field studies of communities and ecosystems of the Louisiana coastal zone. Prerequisite: 204, 205, 330, 332; CHEM 107, 109; Permission of the Instructor. Offered summer only. Five weeks at a Louisiana Universities Marine Consortium coastal laboratory.
- 420. MARINE MICROBIOLOGY. 4 cr.** Introduction to the estuarine and marine microbes, especially bacteria and fungi; classification, methodology, role in marine ecosystems, biogeochemical cycles, and diseases of marine animals. Prerequisites: 12 hours of biology, including 214, 215; Permission of Instructor. Offered summer only. Five weeks at a Louisiana Universities Marine Consortium coastal laboratory.
- 450. MARINE INVERTEBRATE ZOOLOGY. 4 cr.** General study of the classification, structure, function, and ecology of marine and estuarine invertebrates; emphasis on field studies of invertebrates of the Louisiana Gulf Coast. Prerequisites: 8 semester hours of zoology and Permission of Instructor. Offered summer only. Five weeks at a Louisiana Marine Consortium coastal laboratory.
- 455. MARINE VERTEBRATE ZOOLOGY. 4 cr.** Field and laboratory studies of marine vertebrates with particular emphasis on the fishes, including classification, structure, function, and ecology.

Prerequisites: 16 semester hours of zoology and Permission of Instructor. Offered summer only. Five weeks at a Louisiana Universities Marine Consortium coastal laboratory.

- 460. COASTAL MARINE GEOLOGY. 4 cr.** Geomorphologic features of estuarine, coastal, and continental shelf environments; erosional, depositional, and geochemical processes; field and laboratory methods. Prerequisites: physical and historical geology; general chemistry or mineralogy; and Permission of Instructor. Offered summer only. Five weeks at a Louisiana Universities Marine Consortium coastal laboratory.
- 470. MARINE ENVIRONMENTAL CHEMISTRY. 4 cr.** Chemical composition of the oceans; chemical, biological, and geological interactions. Prerequisites: 16 semester hours of chemistry and Permission of Instructor. Offered summer only. Five weeks at a Louisiana Universities Marine Consortium coastal laboratory.
- 480. MARINE SCIENCE FOR TEACHERS. 4 cr.** Survey of the marine sciences; field and classroom techniques for the teaching of marine science at the elementary and secondary school levels. Credit can be applied only to degrees in education. Offered summer only. Five weeks at a Louisiana Universities Marine Consortium coastal laboratory or participating state university.

#### **For Graduates Only**

- 501. TOPICS IN MARINE SCIENCE. 1-6 cr. Maximum, 6 cr.** Advanced lecture, laboratory, and field work on a selected topic in the marine sciences at a coastal laboratory of the Louisiana Universities Marine Consortium. By arrangement.
- 591. SPECIAL PROBLEMS IN MARINE SCIENCE. 1-6 cr. Maximum, 6 cr.** Directed research and study at a coastal laboratory of the Louisiana Universities Marine Consortium. By arrangement.

## **MARKETING (MRKT)**

#### **For Undergraduates and Graduates**

- 401. INTERNATIONAL. 3 cr.** All phases of marketing as applied in an international operation: research, marketing channels, promotion, financing, pricing, licensing, organization requirements, and methods of coordination. Prerequisite: 301.
- 403. SERVICES MARKETING. 3 cr.** Study of the special characteristics of service enterprises and the development of marketing strategies for such organization. Prerequisite: 301.
- 406. BUSINESS-TO-BUSINESS MARKETING. 3 cr.** Strategies and tactics used in marketing complex technologies and services to industrial firms. Emphasis is given to value and vendor analysis as key elements in marketing. Prerequisite: 301.

#### **For Graduates Only**

- 501. SEMINAR. 3 cr.** Study in depth of a different major topic each semester such as consumer behavior, physical distribution, price strategy, promotion, or marketing theory. Course content will be tailored to the background and interests of students enrolled. Prerequisite: 301.
- 591. DIRECTED STUDY. 3 cr.** Individual study of advanced marketing topics under the direction of a Senior faculty member. Prerequisites: Twelve semester hours of BMBA courses and a minimum graduate GPA of 3.5.

## **MARRIAGE AND FAMILY THERAPY** **2onortium.eting**



Particular emphasis is placed on the application of theory to a variety of family issues, weighing special considerations and implications of the rural/semi-rural context in such applications.

**722. SOCIAL ECOLOGY: THE SOCIAL CONTEXT OF THE FAMILY. 3 cr.** Macrosystemic study of the interface between families and work, religion, education, medical, social service, and mental

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is charged each student to help defray expenses related to this course. Prerequisite: MCOM 331.

435. **JOURNALISM MANAGEMENT. 3 cr.** Methods and practices for the production, promotion, and management of print and broadcast news; issues and techniques of managing and leading media companies in rapidly changing business and cultural environments.
440. **MEDIA SALES AND PROMOTIONS. 3 cr.** In-depth study of selling for media, from prospecting to servicing accounts, with emphasis on adapting sales techniques to the special needs of print and broadcast media.
445. **BROADCAST MANAGEMENT. 3 cr.** Organization and administration of broadcast stations and other electronic media systems, with attention to operations, community relations, and financial management.
450. **ADVANCED AUDIO PRODUCTION. 3 cr.** Theory and advanced techniques of audio production for radio, video, film and music recording, from conception through completion, emphasizing multi-track, non-destructive, and non-linear production. A \$15 fee is charged each student to help defray expenses related to this course. Prerequisite: MCOM 350.
451. **ADVANCED PHOTOCOMMUNICATION. 3 cr.** Theory and techniques of photocommunication for print media, emphasizing use of still photography for in-depth investigating and reporting. Prerequisite: MCOM 351.
452. **ADVANCED VIDEO PRODUCTION. 3 cr.** Theory and techniques of video production from conception to completion, for a variety of mass communications applications. A \$15 fee is charged each student to help defray expenses related to this course. Prerequisite: MCOM 352.
453. **ADVANCED FILM PRODUCTION. 3 cr.** Theory and principles of filmmaking from conception to completion, for a variety of mass communications applications. A \$15 fee is charged each student to help defray expenses related to this course. Prerequisite: MCOM 353.
454. **ADVANCED ELECTRONIC MEDIA DESIGN. 3 cr.** Theory and principles of electronic media design from conception to completion, for a variety of mass communications applications emphasizing multimedia. Prerequisite: MCOM 354.
460. **PUBLIC RELATIONS CAMPAIGNS. 3 cr.** Use of research to identify problems and development of strategies to meet public relations needs for actual clients. Prerequisites: MCOM 361 and 370.
465. **PUBLIC RELATIONS CASE STUDIES. 3 cr.** Case studies in managing public relations problems in industry, labor, education, government, social welfare, and trade organizations.
471. **VISUAL COMMUNICATIONS. 3 cr.** Theories of perception, methods of analysis of visual media, and principles and strategies of visual communication, emphasizing critical thinking about the role and function of media in society.
472. **ELECTRONIC MEDIA ANALYSIS AND CRITICISM. 3 cr.** Critical methodologies and analysis of electronic media content and programming, emphasizing aesthetic, historical, social, cultural, and industrial factors affecting audience response.
473. **FILM ANALYSIS AND CRITICISM. 3 cr.** Theories and practices in the analysis and criticism of film as an art form and an entertainment medium; evaluation of trends in film presentations. A \$10 fee is charged each student to defray expenses related to this course. (Same as ENGL 304.)



- 580. ISSUES IN LAW AND ETHICS. 3 cr.** Legal, ethical and regulatory constraints on mass media. Studies of the regulatory environment, lobbying, social consciousness and corporate responsibility. Analysis of current trends including the effects of deregulation and changes in the regulatory structure.
- 581. LITERATURE OF PRINT MEDIA. 3 cr.** Intensive reading in selected areas of journalism, including histories, biographies, philosophies, ethics, criticism, and effects.
- 582. LITERATURE OF ELECTRONIC MEDIA. 3 cr.** Critical methodologies and analysis of electronic media content and programming, emphasizing aesthetic, historical, social, cultural and industrial factors affecting audience response.
- 583. PUBLIC OPINION AND PROPAGANDA. 3 cr.** The study of propaganda theory and methods. Opinion-making processes in government, political parties, pressure groups and various societal institutions. The role of mass media in public opinion formation.
- 584. COMPARATIVE BROADCASTING. 3 cr.** A study of world media systems, philosophies, methodologies, and their comparative strengths and weaknesses, including their sociological, political and economic contexts and effects.
- 585. EMERGING TECHNOLOGIES. 3 cr.** Exploration of electronic communication technologies as they develop.
- 590. INTERNSHIP. 1-3 cr.** Field experience in print or electronic media, as proposed by the student to meet appropriate educational goals. Prerequisite: Completion of 9 credit hours of graduate coursework; approval of major professor and site supervisor.
- 591. DIRECTED STUDY. 1-3 cr.** Individualized study of selected topics in mass communications. Prerequisite: Approval of major professor and directed study supervisor.
- 599. THESIS. 1-6 cr.** Individualized study and research toward Master's thesis in communication with an emphasis in some area of mass communications. Prerequisite: 18 credit hours of graduate coursework.

## **MATHEMATICS (MATH)**

### **For Undergraduates and Graduates**

- 401. DIFFERENTIAL EQUATIONS. 3 cr.** Series solutions to ordinary differential equations, Laplace transforms, systems of differential equations, numerical methods and applications which arise in geometry, chemistry, and physics. Prerequisite: 301.

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programming, game theories, queueing theory and other standard topics in operations research. Prerequisites: 303 and Computer Science 435. (Same as Computer Science 436.)

- 498. RESEARCH. 1-3 cr. Maximum, 3 cr.** Open to advanced undergraduates who are capable of developing a problem independently. A. Algebra; B. Analysis; C. Topology; D. Statistics. Prerequisite: Approval of Department Head.

- 426. WIND ENSEMBLE. 1 cr. per semester. May be repeated for credit.** Total hours allowed vary with each degree program. Prerequisite: Approval of the Division Head. (Formerly 326.)
- 427. SYMPHONIC BAND. 1 cr. per semester. May be repeated for credit.** Total hours allowed vary with each degree program. Prerequisite: Approval of the Division Head. (Formerly 327.)
- 429. CONCERT CHOIR. 1 cr. per semester. May be repeated for credit.** Total hours allowed vary with each degree program. Prerequisite: Approval of the Division Head.
- 433. MADRIGALIANS. 1 cr. per semester. May be repeated for credit.**

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- 483. WOODWIND LITERATURE. 3 cr.** Solo and chamber music written for woodwind instruments. Prerequisite: 193.
- 484. BRASS LITERATURE. 3 cr.** Solo and chamber music written for brass instruments. Prerequisite: 193.
- 485. AMERICAN. 3 cr.** American music from early Colonial times to the present, including music of different races and ethnic groups. Prerequisite: 492 or Approval of Head of the Division of Music. (Formerly 591.)
- 486. SURVEY OF MUSIC THEATRE. 3 cr.** A survey of the history and literature of the music theatre, 1800 to the present, with emphasis on 20th century works and composers.
- 493. THE ROMANTIC ERA. 3 cr.** Music of the Romantic era and its place in the general culture of the period. Prerequisite: 492 or Approval of Head of the Division of Music.
- 494. CONTEMPORARY. 3 cr.** Music from the period of Impressionism to the present. Prerequisite: 492 or Approval of Head of the Division of Music.
- 495. ORCHESTRAL LITERATURE. 3 cr.** Orchestral music from the Baroque period to the present. Prerequisite: 193.
- 496. SONG LITERATURE. 3 cr.** Music for solo voice from the Baroque period to the present with particular attention to the Romantic period. Prerequisite: 193.
- 497. KEYBOARD LITERATURE. 3 cr.** Music for keyboard instruments from the English virginal school to the present.
- 498. CHORAL LITERATURE. 3 cr.** Choral music from the Renaissance to the present. Prerequisite: 193.
- 499. THE CLASSIC ERA. 3 cr.** Music of the Classic era and its place in the general culture of the period. Prerequisite: 492 or Approval of Head of the Division of Music.

### For Graduates Only

The following courses carry 2 or 4 semester hours of credit and may be repeated for a maximum of 16 semester hours of credit. Prerequisite: Successful completion of the prior course at The University of Louisiana at Monroe and/or an audition.

Voice .....	541
Piano .....	542
Organ .....	543
Violin .....	544
Viola .....	545
Cello .....	546
String Bass .....	547
Clarinet.....	548
Saxophone.....	549
Flute .....	550
Oboe .....	551
Bassoon.....	552
Trumpet.....	553
Tuba.....	554
French Horn .....	555
Trombone.....	556
Euphonium .....	557
Percussion.....	558

- 561. MUSIC HISTORY I. 2 cr.** A study of music of the Middle Ages and the Renaissance; the history of music from ca. 800-1600.
- 562. MUSIC HISTORY II. 2 cr.** A study of music of the Baroque and Classical eras; the history of music from ca. 1600-1815.
- 563. MUSIC HISTORY III. 2 cr.** A study of music of the Romantic and Modern eras; the history of music from ca. 1815 to the present.
- 572-573. ADVANCED COMPOSITION. 3 cr. each.**

- 575. ADVANCED COUNTERPOINT. 3 cr.** Larger polyphonic forms in sixteenth, eighteenth and twentieth century styles.
- 579. SEMINAR IN MUSIC THEORY. 3 cr.** A comprehensive course in music theory, from fundamental to advanced contemporary techniques. Written and aural work.
- 582. ADVANCED CHORAL CONDUCTING. 3 cr.** Techniques of advanced choral conducting. Score analysis and problems of preparation and performance. Study of major choral works.
- 583. ADVANCED BAND CONDUCTING. 3 cr.** Techniques of advanced band conducting. Analysis of principal band compositions with emphasis on contemporary works.
- 584. ADVANCED ORCHESTRA CONDUCTING. 3 cr.** Techniques of advanced orchestra conducting. Score analysis, rehearsal preparation, rehearsal techniques, and interpretation of standard orchestral repertoire. Prerequisite: 479 or approval of Director of School of Music.
- 585. CONDUCTING PRACTICUM. 3 cr.** An advanced course in the study of conducting. A. Choral; B. Band; C. Orchestra. Prerequisite: 582, 583, or 584; or approval of the Head of the Division of Music.
- 586. SCORE READING AND ANALYSIS FOR CONDUCTORS. 3 cr.** A study of clefs and transpositions, score reading, and analysis for the advanced conductor.
- 587. DIRECTED STUDY. 1-3 cr.** Individual research on selected topics. A. Performance and Ensemble; B. History and Literature; C. Theory and Composition; D. Piano Pedagogy and Literature; E. Vocal Diction, Pedagogy, and Literature; F., an23.9(, an2Mequisite: 479 or a Perforof the 0.

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- 490. CHORAL REPERTOIRE. 3 cr.** A survey of the choral octavo literature at the high school through collegiate level; in conjunction with selection of materials and programming.
- 491. INTRODUCTORY WORKSHOP IN ORFF-SCHULWERK. 3 cr.** Basic Orff-Schulwerk techniques, including body movement, soprano recorder, percussion, vocal performance, improvisation, and arranging.
- 492. INTERMEDIATE WORKSHOP IN ORFF-SCHULWERK. 3 cr.** Intermediate level Orff-Schulwerk techniques, including modal harmonization, irregular rhythms, alto recorder performances, and more extensive improvisation and arranging. Prerequisite: 491 or equivalent.
- 493. ADVANCED WORKSHOP IN ORFF-SCHULWERK. 3 cr.** Advanced Orff-Schulwerk techniques including original composition, complex form, movement, and instrumental arrangements, tenor and bass recorder performances, and advanced improvisation. Prerequisite: 492 or equivalent.
- 495. THE USE OF MUSICAL INSTRUMENTS IN GENERAL MUSIC EDUCATION. 3 cr.** A course designed to provide basic playing ability of the following instruments: autoharp, melody bells, recorder, guitar, piano, dulcimer, and the various Orff melodic and percussion instruments. Prerequisite: 322 or 335 or equivalent.
- 496. THE ADVANCED USE OF MUSICAL INSTRUMENTS IN GENERAL MUSIC EDUCATION. 3 cr.** Course designed to improve the students playing proficiency on the following classroom instruments: guitar, recorder, autoharp, melody bells, dulcimer, piano, and the various Orff melodic and percussion instruments. Prerequisite: 495 or equivalent.

### For Graduates Only

- 501. VOICE PEDAGOGY. 3 cr.**
- 503. PIANO PEDAGOGY. 3 cr.**
- 505. STRING PEDAGOGY. 3 cr.**
- 507. WOODWIND PEDAGOGY. 3 cr.**
- 509. BRASS PEDAGOGY. 3 cr.**
- 511. PERCUSSION PEDAGOGY. 3 cr.**
- 513. THEORY PEDAGOGY. 3 cr.**
- 515. SEMINAR IN INSTRUMENTAL MUSIC. 3 cr.**
- 517. SEMINAR IN VOCAL MUSIC. 3 cr.**
- 531. MUSIC ORGANIZATION, ADMINISTRATION, & SUPERVISION. 3 cr.** Organizational, administrative, and supervisory concepts and principles at the elementary, secondary, and college levels.
- 533. INTRODUCTION TO RESEARCH IN MUSIC AND MUSIC EDUCATION. 3 cr.** The materials and techniques of research methods in music and music education. A survey of bibliographical procedures and development of skills in scholarly writing. Required for all graduate degrees in music and music education.
- 537. FOUNDATIONS OF MUSIC EDUCATION. 3 cr.** Historical, philosophical, aesthetic, psychological, and social foundations of music education. Includes the total school program of K-12,

The Normal Aging Process, Deviations of the Aging Process: Geropsychiatry; Deviations of the Aging Process: Pathophysiology; The Nursing Process; Social Forces and Aging: Implications for Nursing; Research in Aging.

- 435. HEALTH ASSESSMENT AND HEALTH MAINTENANCE OF THE AGING PATIENT. 3 cr.** A study to impart concepts of the nursing processes as they relate to health assessment and health maintenance of the aging person. Principles of history-taking and physical examination and assessment skills are emphasized as they pertain to the aging patient. The focus is directed toward the assessment of physiological, environmental, sociological, and psychological needs in the aging patient.
- 436. PRACTICUM IN HEALTH ASSESSMENT AND HEALTH MAINTENANCE OF THE AGING PATIENT. 3 cr.** A laboratory course designed to apply the concepts of the nursing processes as they relate to the provision of health assessment and health maintenance in the care of the aged. The student is provided an opportunity to elicit and record health histories and to perform physical examinations and health maintenance activities for the aged.
- 438. SPECIAL PROBLEMS IN NURSING. 1-3 cr. Maximum, 6 cr.** 4 ma recorlems bynt is prs winteoncei





- 525. INDUSTRIAL TOXICOLOGY. 2 cr.** Chemical hazards in the workplace; regulatory and medico-legal programs, product safety, worker health protection, chemical-related health risk assessment. Prerequisite: 489.
- 527. NEUROPHARMACOLOGY. 4 cr.** Advanced discussion of the literature and methodology related to the action of drugs in neurological systems. Prerequisites: 413, 414, or Consent of Department Head.
- 529. IMMUNOPHARMACOLOGY. 2 cr.** A study of the interactions between pharmacologic agents; the immune systems and their biological function. Prerequisites: 414, 423.
- 531. SYNTHETIC MEDICINALS. 3 cr.** A study of the methodologies and strategies used in the synthesis of compounds of pharmacological significance. Prerequisites: Chemistry 531, 532 or Consent of Department Head.
- 532. CHEMISTRY OF HETEROCYCLIC COMPOUNDS. 3 cr.** Chemical and physical properties, nomenclature, and synthesis of heterocycles commonly found in compounds of biological and pharmacological importance. Prerequisites: Chemistry 531, 532, or Consent of Department Head.
- 534-535. NATURAL PRODUCTS. 3 cr. each.** Study of natural products used in medicine, pharmacy and allied fields. Emphasis is placed on isolation, purification and synthetic derivatives. One hour lecture and six hours laboratory. Prerequisite: Consent of Department Head.
- 540. BIostatISTICS. 3 cr.** The theoretical and applied techniques of data collection, analysis, and interpretation in pharmaceutical research. Prerequisite: Psychology 439.
- 541. ADVANCED MARKETING OF DRUG PRODUCTS. 4 cr.** Distributive systems and underlying economic principles, functions, policies, and practice as related to marketing drug products.
- 542. ADVANCED RETAIL PHARMACY MANAGEMENT. 4 cr.** Advanced problems related to planning, organizing, and controlling the retail pharmacy.
- 543. BEHAVIORAL SCIENCES IN PHARMACY ADMINISTRATION. 4 cr.** Psychology, sociology, and communications as related to pharmacy management.
- 544. NEW DRUG DEVELOPMENT. 4 cr.** Professional, administrative and legal requirements for discovery, production and distribution of a new drug.
- 545. RESEARCH METHODOLOGY. 3 cr.** Descr1u1qT1ON.8 0 TD (uGMdy of ts/F1047cOScN1)ims and 5T



reproductive options, abortion, stem-cell research, human cloning, genetic discrimination and confidentiality, genetic engineering, regulation of human research, and euthanasia.

**405. PHILOSOPHY OF RELIGION. 3 cr.** A study of attempts to bring rational justification and clarification to religious beliefs and practices, focusing primarily on the concepts of Christian theology. Topics will include the existence of nature of God, faith and reason, death and

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- 424. ANALOG ELECTRONICS. 3 cr.** Discrete electronic components and circuits using them including resistors, capacitors, diodes, transistors, and operational amplifiers. Prerequisites: 208 and Mathematics 132.
- 426. ANALOG ELECTRONICS LABORATORY. 1 cr.** Basic measurement techniques, filters, power

**451. PSYCHOLOGICAL TESTING AND MEASUREMENT. 3 cr.** The theory and rationale underlying the definition and measurement of human traits, abilities, and behaviors. Prerequisite: 439 recommended.

**For Graduates Only**

**501. COGNITION. 3 cr.**

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**553. BEHAVIORAL INTERVENTION LABORATORY. 1 cr.** Field experience in behavioral assess-

**For Graduates Only**

- 501. TEACHING READING TO STUDENTS WITH SPECIAL NEEDS. 3 cr.** Designed to study students' special instructional needs in reading. The aspects of identification, diagnosis of reading needs, specialized methods of instruction, appropriate materials and modifications in reading are considered. Prerequisite: Valid Louisiana teaching certificate or equivalent or written permission from Certification Coordinator. (Same as SPED 501).
- 502. BALANCED READING INSTRUCTION. 3 cr.** Integration of reading, writing, speaking, and listening strategies to teach children to read with fluency and comprehension and to expand reading abilities. Prerequisite: Valid Louisiana teaching certificate or equivalent or written permission from Certification Coordinator.
- 507. PRACTICUM IN READING. 3 cr.** Clinical/laboratory experience in diagnosing and correcting reading difficulties. Credit or registration in 525. Prerequisite: Approval of Director of Field Experiences. Must meet all other eligibility requirements for Louisiana Teaching Certificate in field of study to earn graduate credit and grade.
- 508. CURRICULUM AND SUPERVISION IN READING. 3 cr.** Selecting and planning a sound reading curriculum; understanding the functions and duties of the reading supervisor. Prerequisite: Valid Louisiana teaching certificate or equivalent or written permission from Certification Coordinator.
- 509. SELECTED TOPICS IN READING. 3 cr.** Maximum allowable credit for this course is 59 -557.74  
Certification Coordinator.





- 442. FIELD STUDIES OF FOREIGN AREAS. 3 cr.** Extended field study tours of major foreign areas of the world. A. Western Europe; B. Northern Europe; C. South Pacific. Topics may not be repeated. (No more than 3 credit hours may be applied toward degree requirements.)
- 443. SOCIOLOGY OF SPORTS, RECREATION, AND LEISURE. 3 cr.** The structure and functions of sports and recreation in fulfilling leisure pursuits in American society.
- 444. FIELD STUDIES OF FOREIGN AREAS. 3 cr.** Extended field study tours of major foreign areas of the world. A. Far East; B. Middle East; C. South America. Topics may not be repeated. (No more than 3 credit hours may be applied toward degree requirements.)
- 445. REGIONAL FIELD STUDY OF THE U.S.—EAST. 3 cr.** Daily lectures guide the observation and study of the geographic and cultural experiences, which result in regional delineations and classifications.
- 446. REGIONAL FIELD STUDY OF THE U.S.—WEST. 3 cr.** Same as 445, except that the tour will cover the western area of the U.S.
- 450. SOCIAL RESEARCH. 3 cr.** The formulation of a research problem; ethics of research; development of research design; sampling procedures; collecting and processing of research data.
- 451. SOCIAL STATISTICS. 3 cr.** Statistical procedures appropriate to the measurement and analysis of social data. Prerequisite: Approval of Department Head.
- 452. QUALITATIVE RESEARCH 3 cr.** Examines the conceptualization; selection and protection of participants; data collection, analysis, and presentation; ethical issues; and strengths and weaknesses of qualitative research. (Same as GERO 452)
- 455. SOCIOLOGY OF BALANCED LIVING. 3 cr.** This course is designed to study the factors influencing the socialization process, dynamics of relationships, and life satisfaction. Focus is on making choices and meeting challenges based on understanding of the interaction process and life skills training.
- 495. SPECIAL TOPICS. 1-6 cr. Maximum, 6 cr.** A. Teaching Children about Aging; B. Anthropological Methods; C. Sociology of Women; E. Perspectives on Sexuality. Maximum, 3 credits on a single topic.

#### For Graduates Only

- 501. SOCIOLOGY OF EDUCATION. 3 cr.** The development, structure, and function of educational institutions with an emphasis on social factors which affect these institutions and the role of the educator in the community.
- 502. LIFESTYLES ISSUES AND RESOURCE MANAGEMENT IN AGING. 3 cr.** A sociological investigation into leisure activities among the aged, issues in pre-retirement and retirement, managing resources, holistic health and lifestyle changes, nutrition, and stress reduction. (Same as Gerontology 502.)
- 509. HUMAN RESOURCES FOUNDATIONS IN GERONTOLOGY. 3 cr.** The sociological importance of human resources to the achievement of goals in gerontological organizations. Focuses on developing and using skills necessary for managing human resources.
- 512. SOCIAL GERONTOLOGY. 3 cr.** An examination of social aspects of adjustment to aging, attitudes toward aging, social-psychological and sociological theories of aging, successful aging, family patterns, intergenerational relationships, leisure, and retirement. Attention will be given to demographic changes, middle age, minority aged, and adult socialization. (Same as Gerontology 512. Formerly Sociology 510 - Sociology of Aging.)
- 555. SOCIOLOGY OF LAW. 3 cr.** An analysis of social behavior and its relationship to the development of law; law as a control mechanism; social behavior as it relates to the police, courts, and corrections; portrayal of the Criminal Justice system components in the media; and social change and the law. (Same as Criminal Justice 555).
- 565. COMMUNITY-BASED AND LONG-TERM CARE. 3 cr.** A review of the various types of community based care with attention to the types of environments and services offered, the process of entry into care systems, physical and socio-emotional care, relations between residents and staff members, and social relationships inside and outside of care facilities. Health and quality of care, medical ethics, environmental health, and the delivery of services are addressed. (Same as Gerontology 565. Formerly Introduction to Long-Term Care.)
- 567. PROGRAMS AND PUBLIC POLICY. 3 cr.** Analysis of the Older American's Act, national and state programs on aging, and other legislative/congressional acts: their effects on research, training, and grant development in the field of gerontology. (Same as Gerontology 567. Formerly Analysis of Programs and Practice in the Aging Network.)
- 575. RESEARCH IN GERONTOLOGY. 3 cr.** Integration and application of research designs used in gerontology; examines the impact of research on programs, policy, and planning; attention given to grant writing for research support. Prerequisite: Undergraduate methods course or Approval of Gerontology Graduate Coordinator. (Same as Gerontology 575.)

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- 576. MINORITIES, CRIME, AND CRIMINAL JUSTICE. 3 cr.** Examination of the role of minorities in the criminal justice system; as victims; as offenders; as defendants; as prisoners; as employees, and as professionals. (Same as Criminal Justice 576)

### SPANISH (SPAN)

#### For Undergraduates and Graduates

- 402. SEMINAR IN SPANISH LITERATURE. 3 cr. Maximum, 6 cr.** In-depth study and analysis of a specific Spanish language literary movement or writer. Prerequisite: 202 or 205.
- 405. ADVANCED ORAL LANGUAGE DEVELOPMENT. 3 cr. Maximum, 6 cr.** The refinement of conversational skills utilizing the Language Learning Center and classroom activities. Prerequisite: 202 or 205.
- 406. ADVANCED SPANISH SYNTAX. 3 cr.** An analysis of the more complex and problematic areas of Spanish grammar and vocabulary usage. Prerequisite: 231 or equivalent.
- 407. CONTEMPORARY LATIN AMERICAN LITERATURE. 3 cr. Maximum, 6 cr.** An analysis and discussion of outstanding works from the Spanish American literature of the twentieth century. Prerequisite: 202 or 205 or equivalent.
- 408. CONTEMPORARY HISPANIC LITERATURE IN THE UNITED STATES. 3 cr.** An analysis and discussion of outstanding works of Hispanic writers of the U. S. Prerequisite: 202 or 205.
- 415. CONTEMPORARY SPANISH LITERATURE. 3 cr.** Extensive reading of authors of the Generation of 1898 and of the Twentieth Century. Prerequisite: 202 or 205.
- 425. SPANISH LANGUAGE PRACTICUM. 3-12 cr.** Application of language skills in a foreign-speaking environment. Student will be involved in a total-immersion living situation and will receive a minimum of fifteen clock hours per week in formal language instruction. May be repeated with permission of department head. Prerequisite: 202 or 205.
- 474. SECOND LANGUAGE ACQUISITION. 3 cr.** The application of second language acquisition theory in the classroom.
- 475. LANGUAGE, CULTURE & CLASSROOM. 3 cr.** The application of second language acquisition theory in the elementary or secondary classroom (same as French 475). Prerequisite: Spanish 474.

#### For Graduates Only

- 521. PROSE AND POETRY OF THE SPANISH GOLDEN AGE. 3 cr.** Analysis and discussion of outstanding works of Sixteenth and Seventeenth Century Spain. Prerequisite: Graduate standing in Spanish.

### SPECIAL EDUCATION (SPED)

#### For Undergraduates and Graduates

- 481. CONTINUING STUDIES IN SPECIAL EDUCATION. 1-3 cr.** Various topics in special education. May be repeated. Credit may not be applied toward a degree. Grade of CR (Credit) or NC (No Credit) will be awarded.
- 491. DIRECTED STUDY. 1-6 cr.** Focused investigation on selected problem areas in Special Education. Prerequisite: Approval of Instructor.

#### For Graduates Only

- 501. TEACHING READING TO STUDENTS WITH SPECIAL NEEDS. 3 cr.** Designed to study students' special instructional needs in reading. The aspects of identification, diagnosis of reading needs, specialized methods of instruction, appropriate materials and modifications in reading are considered. Prerequisite: Valid Louisiana teaching certificate or equivalent or written permission from Certification Coordinator. (Same as READ 501).
- 502. DIAGNOSTIC/PRESCRIPTIVE TEACHING. 3 cr.** Diagnostic/prescriptive processes to meet educational needs of exceptional children. Formal testing, curriculum-based assessment and teaching, and translation of needs into educational programming. Prerequisite: 561 or Approval of Department Head; valid Louisiana teaching certificate or equivalent or written permission from Certification Coordinator.

- 503. METHODS OF CLASSROOM ORGANIZATION AND MANAGEMENT FOR SPECIAL POPULATIONS. 3 cr.** Legal, philosophical, and cultural strategies of classroom organization and behavior management for meeting the needs of diverse groups of students with exceptionalities. Prerequisite: Valid Louisiana teaching certificate or equivalent or written permission from Certification Coordinator. (Formerly SPED 444 Humanistic Approaches to Teaching the Mild/Moderate.)
- 504. DEVELOPMENTAL ASSESSMENT OF PRE-SCHOOL CHILDREN WITH SPECIAL NEEDS. 3 cr.** Designed to introduce technique and literature pertinent to the developmental assessment of pre-school children with special needs. Emphasis will be placed upon the use of naturalistic observation, criterion curriculum and data from norm-referenced devices for the generation of program description (IEP's) for this population. Prerequisite: Valid Louisiana teaching certificate or equivalent or written permission from Certification Coordinator.
- 505. METHODS OF TEACHING BASIC SUBJECTS TO STUDENTS WITH MILD/MODERATE DISABILITIES. 3 cr.** Designed to develop competencies of educators in teaching basic skills to special needs students as well as developing appropriate interventions plans. Prerequisite: Valid Louisiana teaching certificate or equivalent or written permission from Certification Coordinator. (Formerly 570E. Seminar on "Best Practices" in Special Education: Curriculum Adaptations.)
- 506. VOCATIONAL AND TRANSITION SERVICES FOR STUDENTS WITH DISABILITIES. 3 cr.** Designed to build competencies of educators in developing appropriate individual transition plans and facilitate transition of special needs students into the work force. Prerequisite: Valid Louisiana teaching certificate or equivalent or written permission from Certification Coordinator. (Formerly 570B. Seminar on "Best Practices" in Special Education: Secondary Vocational Skills.)
- 525. FOUNDATIONS OF EARLY CHILDHOOD SPECIAL EDUCATION. 3 cr.** An introduction to the history, trends and programs for the preschool child, ages birth through five, who is at-risk for or has an identified special need. Prerequisite: 202 or equivalent. Valid Louisiana teaching certificate or equivalent or written permission from Certification Coordinator.
- 526. CURRICULUM AND METHODS FOR EARLY CHILDHOOD SPECIAL EDUCATION. 3 cr.** Techniques in organizing and teaching curriculum methods and instructional patterns effective in intervention and training for preschool children at-risk for learning difficulties. Prerequisite: Valid Louisiana teaching certificate or equivalent or written permission from Certification Coordinator.
- 527. EXCEPTIONAL FAMILY SYSTEMS AND COMMUNITY RESOURCES. 3 cr.** Exposes the learner to the array of variables which (1) effect family systems when a child with special needs is introduced into it and (2) promote an understanding, as a professional, of strategies and timing for effective introduction of resources and support to parents of children with special needs. Prerequisite: 526 or equivalent.
- 528. PHYSICAL AND MEDICAL MANAGEMENT OF PRESCHOOL CHILDREN WITH SPECIAL NEEDS. 3 cr.** Techniques in organizing and teaching materials, and procedures appropriate to understanding severe physical disability and low incidence exceptionalities and health impairments in preschool children. Prerequisite: 526 or Permission of Instructor. Valid Louisiana teaching certificate or equivalent or written permission from Certification Coordinator.
- 529. INTERAGENCY AND INTERDISCIPLINARY TEAMING. 3 cr.** Designed to provide information, skills, and strategies necessary for interventionists working in a collaborative/teaming service provision structure. Prerequisite: 527 or Permission of Instructor. Valid Louisiana teaching certificate or equivalent or written permission from Certification Coordinator. (Same as Counseling 529.)
- 530. PRACTICUM IN EARLY INTERVENTION. 3-6 cr. hrs.** A supervised experience working with infants and toddlers and preschoolers with special needs. Must meet all other eligibility requirements for Louisiana Teaching Certificate in field of study to earn graduate credit and grade. Prerequisite: Approval of Director of Field Experiences. (Formerly SPED 476-K.)
- 545. EDUCATIONAL TECHNIQUES FOR EXCEPTIONAL CHILDREN IN REGULAR CLASS-  
c Cer0015 -1nd grade.Flassroom. A. Elementary; B. Secondary. Prerequisite: Valid Louisiana teaching certificate or equivalent or written permission from Certification Coordinator. (Same as Elementary Education 545.) Summer I only**  
Certificate in field of study to earn graduate credit and grade. (Form

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- 563. SPECIAL EDUCATION ORGANIZATION AND ADMINISTRATION. 3 cr.** Organization, administration, supervision and evaluation of special education personnel and programs. Sum II
- 564. STUDENT TEACHING FOR SPECIAL EDUCATION. 9 cr.** Focused teaching utilizing a

- 426. HEALTH COMMUNICATION. 3 cr.** The study of effective communication perspectives and skills helpful in providing integrated, coordinated services between various allied health professions. Prerequisite: permission of instructor.
- 451. AMERICAN PUBLIC ADDRESS. 3 cr.** This course will involve the study of American public



- 423. CREATIVE DRAMATICS. 3 cr.** Teaches the use of imaginative and creative activities for instruction in college, secondary and elementary school programs.
- 425. DIRECTING. 3 cr.** Teaches directorial skills in leadership, script selection and analysis, conduct of auditions, rehearsals and performance evaluation through workshop and application. Prerequisites: Thea 111 and 221 and permission of Instructor.
- 427. LEADERSHIP AND MANAGEMENT. 3 cr.** Integrates the management, design, technical, directing and leadership skills taught in other courses through the collaborative application of research to the organizational, legal, financial and artistic challenges particular to theatre operation.
- 431. SUMMER THEATRE PRODUCTION. 1-6 cr.** Provides practical application of theatre skills in a summer theatre environment. Student's participation is determined through audition and application process. Prerequisite: Permission of Instructor.
- 442. CONTEMPORARY THEATRE PRACTICE. 3-6 cr.** Examines current acting and directing styles and techniques in various technical areas: scenery, lighting, sound, makeup, costumes and properties. A. France B. England.
- 451. COSTUME CONSTRUCTION. 3 cr.** Introduction to pattern drawing, pattern and costume alteration, and sewing for the theatre, television or film production. The student is required to assist the costume crews of theatre, television, and film productions during the semester.

#### For Graduates Only

- 509. PLAYWRITING AND SCRIPT ANALYSIS. 3 cr.** A playwriting course wherein students will develop original scripts and analyze existing scripts from the actor's, designer's, and director's point of view. (Formerly Play Construction.)
- 525. SPECIAL TOPICS. 3 cr. Maximum, 9 cr.** Topics in A. Playwriting; B. Directing; C. Acting; D. Technical Theatre; E. Theatre Management; F. Theory. Prerequisite: Consent of Instructor.
- 541. AMERICAN THEATRE DEVELOPMENT. 3 cr.** History of the American theatre and theatre arts from the colonial period to the twentieth century.
- 542. SCHOOLS OF DRAMA. 3 cr.** A study of groups of theatre artists under a common influence. The historical, systematic or organized framework of various schemes of drama from the ancient Greeks to the present day.
- 551. ADVANCED PRODUCTION DESIGN. 3 cr.** Effects of lighting on various media; light plots and their design; various types of stage design with emphasis on designing scenery for stage use; the relation of scene design to the total theatre, television, and film production.
- 591. DIRECTED STUDY. 1-6 cr.** Individual study in A. Playwriting; B. Directing; C. Acting; D. Technical Theatre; E. Theatre Management. Maximum of 6 hours of Directed Study can be applied to any graduate degree. Prerequisite: Approval of Department Head.
- 599. THESIS. 1-6 cr.** Grades of CR (Credit) or NC (No Credit) will be awarded.

## GRADUATE FACULTY

**\*Fredrick Adams**, Assistant Professor of Foreign Languages  
Ph.D., University of Louisiana at Lafayette

**Sarah H. Allen**, Instructor of Communicative Disorders  
M.A., University of Louisiana at Monroe

**\*Larry R. Anderson**, Associate Professor of Music and Director, Jazz and Percussion Division  
M.M., University of Tulsa

**Mark E. Arant**, Associate Professor of Chemistry and Associate Dean, College of Arts  
and Sciences  
Ph.D., University of Alabama

**Kevin Baer**, Associate Professor of Toxicology  
Ph.D., Northeast Louisiana University

**\*James Kelly Barnett**, Part-time Assistant Professor of Marriage and Family Therapy  
Ph.D., University of Louisiana at Monroe

**William D. Barnett**, Assistant Professor of Computer Information Systems  
Ph.D., University of Texas at Arlington

**Louis R. Bedell**, Associate Professor of Physics  
Ph.D., Brown University



**Allen Brown**, Assistant Professor of Gerontology  
CGS, M.Ed., Northeast Louisiana University

**Ralph Brown**, Assistant Professor of History  
Ph.D., University of Tennessee, Knoxville

\***Ernest E. Bruce**, Associate Professor of Aviation  
M.B.A., University of Louisiana at Monroe

**Frank N. Bruscato**, Associate Professor of Chemistry

**Herbert Bryant**, Professor of English  
Ph.D., University of Tennessee

**Linda Bryan**, CCC-SLP, Associate Professor of Communicative Disorders  
Ph.D., University of Louisiana at Lafayette

**James Bulot**, Assistant Professor of Gerontology and Head, Department of Gerontology and Sociology  
Ph.D., University of Massachusetts

**Velma M. Butler**, Associate Professor of Family and Consumer Sciences  
Ph.D., Oklahoma State University

**Bob N. Cage**, Professor of Educational Leadership and Coordinator of Ed.D. Consortium Program  
Ph.D., Iowa State University

**Michael A. Camille**, Associate Professor of Geography and Head, Department of Geosciences  
Ph.D., Texas A&M University

**Henry Wilson Campbell**, Associate Professor and Head, Department of Kinesiology  
Ed.D., University of Southern Mississippi

\***Michael J. Cappel**, Associate Professor of Social Work  
M.S.W., California State University (Fresno); L.C.S.W., Louisiana

**Paulette Cappel**, Assistant Professor of Social Work  
M.S.W., La. State University; L.C.S.W., LA

**John L. Carr**, Associate Professor of Biology  
Ph.D., Southern Illinois University at Carbondale

**Holly B. Casey**, Assistant Professor of Educational Leadership  
Ed.D., University of Louisiana at Monroe

\***Sharon C. Chaney**, Assistant Professor of Dental Hygiene  
M.P.S., Loyola University

**Richard Bruce Chardkoff**, Professor of History  
Ph.D., Florida State University

**M. Sean Chenoweth**, Assistant Professor of Geography  
Ph.D., University of Wisconsin

\***Tommie M. Church**, Instructor of Kinesiology  
M.Ed., Northeast Louisiana University

\***Murrelyn F. Clark**, Assistant Professor of Kinesiology  
M.Ed., Northeast Louisiana University

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**Kenneth E. Clow**, Professor of Marketing  
Ph.D., University of Arkansas at Fayetteville

**Charles L. Cole**, Professor of Marriage and Family Therapy  
Ph.D., Iowa State University

**\*Michael B. Cockerham**, Associate Professor of Clinical Pharmacy Practice  
Pharm.D., Idaho State University

**Henry S. Cole**, Associate Professor and Faculty Chair, Marketing  
D.B.A., Louisiana Tech University

**Lisa Cooper Colvin**, Professor of Kinesiology  
Ph.D., University of Southern Mississippi

**June F. Conway-Bruyninckx**, Associate Professor of Family and Consumer Sciences  
Ph.D., Texas Woman's University

**Jan B. Corder**, Professor of Nursing and Interim Dean, College of Health Sciences,  
Director, School of Nursing  
D.S.N., University of Alabama at Birmingham

**Jose L. Cordova**, Associate Professor and Faculty Chair, Computer Science  
Ph.D., Mississippi State University

**Jean Cottingham**, Assistant Professor of Psychology  
Ph.D., University of Southern Mississippi

**Walter N. Creekmore**, Professor of Education  
Ph.D., University of North Carolina

**Sharon F. Cruse**, Assistant Professor of Chemistry  
Ph.D., Northeast Louisiana University

**\*Kathryn Davis**, Assistant Professor of Occupational Therapy  
M.A., Louisiana Tech University

**\*Sally Davidson**, Associate Professor and Faculty Chair, Aviation  
Ed.S., University of Louisiana at Monroe

**Michael D. Degennaro**, Associate Professor of Pharmaceutics  
Ph.D., University of Georgia

**Mark Doherty**, Associate Professor of Kinesiology  
Ph.D., Ohio University

**John Paul Dunn**, Professor of Marketing; Distinguished Professor of Entrepreneurship and  
Small Business; and Director, Entrepreneurship Studies Center  
Ph.D., University of Arkansas

**Yolanda Dupre**, Assistant Professor of Counseling  
Ph.D., University of New Orleans

**Virginia Eaton**, Professor of Computer Science and Director, Graduate Studies and Research  
Ed.D., Vanderbilt University

**Robert C. Eisenstadt**, Associate Professor of Economics  
Ph.D., Georgia State University

**Khalid El Sayed**, Assistant Professor at Medicinal Chemistry  
B.S., M.S., Ph.D., Mansoura University

**Micah Everett**, Assistant Professor of Music  
D.M.A., University of North Carolina-Greensburg

**Sherlyn Ezell-Powell**, Assistant Professor of Curriculum and Instruction  
Ed.D., University of Alabama

**Carlos D. Fandal**, Professor of Foreign Languages and Dean, College of Arts and Sciences Ph.D., Louisiana State University

\***Brian Robert Fassett**, Associate Professor of Art  
M.A., Wayne State University

**Joseph B. Feldhaus**, Assistant Professor of Pharmacy Administration  
Ph.D., University of Mississippi

**Judy A. Fellows**, CCC-SLP, Professor and Head of Communicative Disorders and Graduate Coordinator  
Ph.D., University of Memphis

\***C. Edward Ferguson**, Instructor of Biology  
Ph.D., Louisiana State University

**Ann M. Findley**, Professor of Biology  
Ph.D., Louisiana State University

**Gary L. Findley**, Professor of Chemistry  
Ph.D., Louisiana State University

**Beverly Flowers-Gibson**, Associate Professor of Curriculum and Instruction and Director of Field Experiences and Teacher Candidacy  
Ed.D., Louisiana Tech University

**Stephen Fox**, Associate Professor of Chemistry  
Ph.D., State University of New York

\***Jeffery W. Galle**, Professor and Head of English  
Ph.D., Louisiana State University

\***Jo K. Galle**, Associate Professor of English  
Ph.D. Louisiana State University

**William Harper Gauthell**, Professor of Marriage and Family Therapy  
Ed.D., University of Houston

\***David Lee Gibson**, Associate Professor of Music and Chair, Wind and Percussion Division  
M.M., Northwestern University

\***Florencetta Gibson**, Associate Professor and Director, School of Nursing  
Ph.D., University of Louisiana at Monroe

**Jeffrey M. Gibson**, Associate Professor of Mass Communications  
M.A., Ohio State University

\***Marilynn Gibson**, Assistant Professor of Music  
M.M.E., University of North Texas

**Carl D. Gilbert**, Assistant Professor of Biology  
Ph.D., University of Arkansas

**Chris R. Gissendanner**, Assistant Professor of Biology  
Ph.D., University of Georgia



**Charles Holloway**, Professor of Foreign Languages  
Ph.D., Louisiana State University

**Saho-Chung Hsia**, Assistant Professor of Pharmacology  
Ph.D., Wayne State University

**\*Helen B. Huckleberry**, CCC-SLP, Assistant Professor of Communicative Disorders  
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**Alamdar Hussain**, Assistant Professor of Pharmaceutics  
Ph.D., Texas Tech University

**Cecil Hutto**, Assistant Professor of Psychology  
Ph.D., University of Mississippi

**Bessie Rene Jackson**, Associate Professor and Head, Family and Consumer Sciences  
Ph.D., Texas Woman's University

**\*Beverly Jarrell**, Associate Professor of Dental Hygiene  
M.Ed., Temple University

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Ed.D., Ball State University

**\*Allen C. Johnston**, Assistant Professor of Computer Information Systems  
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**Christopher J. Johnson**, Professor of Sociology  
Ph.D., Iowa State University

**\*Norma O. Johnson**, CCC-SLP, Assistant Professor of Communicative Disorders and  
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**H. Perry Jones**, Professor of History  
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**Kathryn Jones**, Associate Professor of Management  
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**Rhonda Adams Jones**, Professor of Curriculum and Instruction and Mathematics;  
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**Terry Lyle Jones**, Professor of History  
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**H. Glenn Jordan**, Assistant Professor of Library Science  
Ph.D., University of Oklahoma

**Thomas Junk**, Associate Professor of Chemistry  
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**\*Paul M. Karlowitz**, Associate Professor and Head, Department of Aviation  
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**174 THE UNIVERSITY OF LOUISIANA AT MONROE**

**Bette J. Kauffman**, Associate Professor and Head, Department of Communication  
Ph.D., University of Pennsylvania

**Ross E. Keiser**, Professor of Psychology  
Ph.D., Loyola University of Chicago

**Annela Kelly**, Assistant Professor of Mathematics  
Ph.D., University of Missouri

**\*Brian Kelly**, Associate Professor of Mathematics  
Ph.D., University of Missouri at Columbia

**John A. Knesel**,

**Aubrey Dale Magoun**, Professor  
Ph.D., University of Louisiana at Lafayette

\***Mark McCleery**, Instructor in Music  
M.M., Louisiana State University

**John Fleming McClelland**, Professor of English  
Ph.D., University of Georgia

\***Deborah McClung-Guillory**, Assistant Professor of Music  
M.M., Southern Methodist University

**Charles W. McConkey**, Professor of Marketing  
Ph.D., North Texas State University

**William G. McCown**, Associate Professor of Psychology  
Ph.D., Loyola University-Chicago

**E. Michelle McEacharn**, Professor and Associate Dean of Academics, College of Business Administration  
D.B.A., Louisiana Tech University; C.P.A., Louisiana

**Joseph R. McGahan**, Professor of Psychology  
Ph.D., The University of Oklahoma

\***Jerry McNeil**, Assistant Professor of Radiologic Technology  
M.A., Louisiana Tech University

**Harihara M. Mehendale**, Kitty DeGree Endowed Chair and Professor of Toxicology  
Ph.D., North Carolina State University

**Melissa V. Melancon**, Assistant Professor of Finance  
D.B.A., Louisiana Tech University; C.M.A.; C.F.M.

**Pat Melton**, Associate Professor and Head, Department of Social Work  
M.S.W., LSU, L.C.S.W., LA

\***Margaret Meredith**, Assistant Professor of Occupational Therapy  
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**Sharon A. Meyer**, Associate Professor of Toxicology  
B.S., M.S., Iowa State University, Ph.D., Cornell University

\***Chris Michaelides**, Associate Professor of French  
Ph.D., Duke University

**Robert L. Mikeal**, Associate Professor of Pharmacy Administration  
Ph.D., Purdue University

**Ruth Miller**, D.B.A., Louisiana Tech University; C.M.A.; 10.9(chnology)]TJ -6.8908 -o

## 176 THE UNIVERSITY OF LOUISIANA AT MONROE

**Paul S. Nelson**, Associate Professor and Faculty Chair of Economics and Insurance  
Ph.D., Texas A&M University

**Pamela P. Newman**, Professor of Counselor Education  
Ed.D., Mississippi State University

**Susan Olson**, Assistant Professor of Music  
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**Paxton E. Oliver**, CCC-SLP, Associate Dean, College of Health Sciences  
Ph.D., University of Southern Mississippi

**Ray Owens**, Temporary Part-Time Instructor of Psychology  
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**Shirlee Ann Owens**, Associate Professor of Sociology and Criminal Justice  
Ph.D., The University of Georgia

**Lesli Pace**, Assistant Professor of Speech Communication  
M.A. Texas State University

**Jack A. Palmer**, Professor of Psychology  
Ph.D., The University of Georgia

**Eric A. Pani**, Professor of Atmospheric Sciences and Associate Provost  
Ph.D., Texas Tech University

**Michael E. Parker**, Associate Professor and Faculty Chair of Finance  
D.B.A., Mississippi State University

**Tammy A. Rapp Parker**, Associate Professor of Economics  
Ph.D., Southern Illinois University at Carbondale

**Davis W. Pritchett, Jr.**, Professor, Department of Biology  
Ph.D., University of Arkansas, Fayetteville

**Charles V. Pryor**, Associate Professor of Counseling and Head, Department of  
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Ed.D., Northern Illinois University

**Ava F. Pugh**, Professor of Curriculum and Instruction  
Ed.D., Mississippi State University

**Clifford E. Pugh**, Assistant Professor of Chemistry  
Ph.D., Texas A&M University

**\*Michael K. Ramsey**, Professor of Clinical Laboratory Science  
Ph.D., North Texas State University; M.T. (ASCP), American Society of Clinical  
Pathologists; C.L.S. (NCA), National Certification Agency for Clinical Laboratory Personnel

**Harvey Rappaport**, Associate Professor of Pharmacy Administration  
Ph.D., University of Mississippi

**\*Gary Lynn Ratcliff**, Associate Professor of Art  
M.F.A., Texas A&M, Commerce, TX

**Wendel A. Ray**, Professor of Marriage and Family Therapy  
Ph.D., Nova University

**John W. Rettenmayer**, Professor of Computer Information Systems  
Ph.D., University of California, Los Angeles







**\*Cliff Tresner**, Associate Professor of Art  
M.F.A., University of Mississippi

**Bruce C. Walker**, Assistant Professor of Management  
Ph.D., University of Arkansas

**Jerry L. Wall**, Professor of Management  
Ph.D., University of Missouri-Columbia; SPHR

**Robert George Ward**, Professor of Art  
M.F.A., Louisiana Tech University

**Jerrilene Washington**, Associate Professor of Curriculum and Instruction  
Ed.D., John Hopkins University

**Paul A. Washington**, Associate Professor of Geology  
Ph.D., University of Connecticut

**Fred H. Watson, Jr.**, Professor of Chemistry  
Ph.D., Louisiana State University

**G. Dale Welch**, Professor of Gerontology and Sociology  
Ph.D., Louisiana State University

**Keith White**, Professor of Music, Associate Dean/Director, School of Visual and  
Performing Arts  
Ph.D., Texas Tech University

**\*Joel R. Willer**, Assistant Professor of Mass Communications  
M.Ed., Kent State University

**David Williamson**, Associate Professor and Head, Department of Psychology  
Ph.D., East Texas State University

**Harold E. Williamson**, Professor and Head, Department of Criminal Justice  
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**R. Lamar Woodham**, Associate Professor of Marriage and Family Therapy and Director  
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**Sarah Wyatt**, Assistant Professor of Communicative Disorders  
M.A., The University of Memphis

**Leonard Don Yielding**, Associate Professor of Criminal Justice  
M.A., Sam Houston State University

**Mitchell B. Young**, Associate Professor of Counseling  
Ph.D., Purdue University

## ADJUNCT GRADUATE FACULTY MEMBERS

\***David M. Anderson**, Adjunct Assistant Professor  
Ph.D., University of North Carolina

\***Abraham M. Attrep**, Adjunct Professor  
Ph.D., University of Georgia

\***Kenneth M. Brown**, Adjunct Professor of Biology  
Ph.D., University of Iowa

\***Jim Catalo**, Adjunct Associate Professor of Chemistry  
Ph.D., College of William and Mary

\***Cole E. Church**, Adjunct Assistant Professor of Biology  
Ph.D., University of Missouri

**Philip Cook**, Adjunct Professor  
Ph.D., University of Georgia

\***Brian Crother**, Adjunct Professor of Biology  
Ph.D., University of Miami (FL)

\***Sam Davidson**, Adjunct Professor of Entrepreneurship,  
L.L.B., Washington and Lee University

\***Melgardt de Villiers**, Adjunct Associate Professor of Pharmaceutics  
Ph.D., Potchefstroom University

\***Brian C. Etheridge**, Adjunct Assistant Professor  
Ph.D., The Ohio State University

\***David Hale**, Adjunct Associate Professor of Marriage and Family Therapy  
Ph.D.

\***William Adrian Hickmon, Jr.**, Adjunct Assistant Professor of Marriage and Family  
Therapy  
Ph.D., Virginia Tech

\***Jan J. Hoover**, Adjunct Professor of Biology  
Ph.D., University of Oklahoma

\***John R. Latendresse**, Adjunct Professor of Pathology, National Center for  
Toxicological Research  
Ph.D. The Ohio State University

\***William J. Liles**, Adjunct Associate Professor of Biology  
M.D., Louisiana State University

\***Edward Lock**, Adjunct Senior Scientist (Professor Equivalent)  
Ph.D., Council for National and Academic Awards

\***Barry S. McIntyre**, Adjunct Associate Professor of Pharmacology  
Ph.D., Washington State University

\***C. Wade Meade**, Adjunct Professor  
Ph.D., University of Texas

\***Marion S. Meriwether**, Adjunct Assistant Professor of Mass Communications  
M.A., Northeast Louisiana University

\***David S. Moreland**, Adjunct Assistant Professor of Biology  
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\***Andrea Lynn Morris**, Part-Time Instructor of Curriculum and Instruction  
M.Ed., University of Louisiana at Monroe

\***Kelly L. Obernuefemann**, Adjunct Assistant Professor  
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\***Keith Ouchley**, Adjunct Assistant Professor of Biology  
Ph.D., Louisiana State University

\***Frank Pezold**, Adjunct Professor of Biology,  
Ph.D., University of Texas

\***Peter Pi-Cheng Fu**, Adjunct Professor of Chemistry  
Ph.D., University of Illinois at Chicago

\***Kenneth W. Rea**, Adjunct Professor  
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\***Martin J. Ronis**, Adjunct Professor of Toxicology, Arkansas Children's Hospital  
Research Institute  
Ph.D., Reading University, UK

\***Joe Saunders**, Adjunct Associate Professor of Archeology  
Ph.D., Southern Methodist University

\***Stephen Webre**, Adjunct Professor  
Ph.D., Tulane University

**Frank A. Witzman**, Adjunct Professor of Toxicology, Indiana University School of  
Medicine  
Ph.D., Marquette University

\* Associate Member of the Graduate Faculty



# PROFESSIONAL DEGREE PROGRAMS

## PROFESSIONAL DOCTORAL PROGRAMS

The professional doctorate represents a level of education beyond the usual four-year baccalaureate degree and serves as the educational base for entry-level practice in many professions, especially those related to healthcare. The professional doctorate differs in one very significant way from traditional post-

## DOCTOR OF PHARMACY

College of Pharmacy

Sugar Hall 151

(318) 342-1600

### FACULTY

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**Karen P. Briski**, Professor of Pharmacology and Head, Department of Basic Pharmaceutical Sciences

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**W. Greg Leader**, Professor of Clinical Pharmacy Practice and Associate Dean

B.S., University of Louisiana at Monroe; Pharm.D., University of Kentucky

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**Girish V. Shah**, Mary E. and Darrell L. Calhoun Chair and Professor of Pharmacology

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**Alamdar Hussein**, Assistant Professor of Pharmaceutics  
Ph.D., Texas Tech University Health Sciences Center

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**Seetharama D.S. Jois**, Assistant Professor of Medicinal Chemistry  
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## 186 THE UNIVERSITY OF LOUISIANA AT MONROE

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**Michael S. Racca**, Assistant Professor of Clinical Pharmacy Practice  
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**Laurel A. Rodden**, Assistant Professor of Clinical Pharmacy Practice, Coordinator of  
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**Blair P. Wilbert**, Assistant Professor of Clinical Pharmacy Practice  
Pharm.D., University of Louisiana at Monroe

**Michelle Zagar**, Assistant Professor of Clinical Pharmacy Practice  
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**William H. Ross**, Instructor in Pharmacy  
B.S., University of Louisiana at Monroe

**Connie Smith**, Instructor of Clinical Pharmacy Practice and Coordinator of Experiential  
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**Anthony L. Walker**, Instructor of Clinical Pharmacy Practice  
B.S., University of Louisiana at Monroe

## ADJUNCT FACULTY

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**Lois R. Anderson**, Adjunct Assistant Professor of Clinical Pharmacy Practice  
Pharm.D., University of Wisconsin-Madison

**Kenneth Boudreaux**, Adjunct Assistant Professor of Clinical Pharmacy Practice  
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**Ahmad K. Hamide**, Adjunct Assistant Professor of Clinical Pharmacy Practice  
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**Louise Rollins-Smith**, Adjunct Assistant Professor of Microbiology and Immunology  
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**Robert G. Aucoin**, Adjunct Instructor of Clinical Pharmacy Practice  
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**Mary L. Caldwell**, Adjunct Pharmacy Instructor  
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**Melgardt de Villiers**, Adjunct Associate Professor of Pharmaceutics  
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**John R. Latendresse**, Adjunct Professor of Pathology  
Ph.D., The Ohio State University

**Edward Lock**, Adjunct Senior Scientist (Professor Equivalent)  
Ph.D., Council for National and Academic Awards

**Barry S. McIntyre**, Adjunct Associate Professor of Pharmacology  
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**Mark S. Nelson**, Adjunct Instructor of Pharmacy Practice  
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B.S., University of Louisiana at Monroe

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**Alan R. Parrish**, Adjunct Associate Professor of Medical Pharmacology and Toxicology  
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**Walter Pierron**, Adjunct Instructor of Clinical Pharmacy Practice  
B.S., University of Mississippi

**Martin J. Ronis**, Adjunct Professor of Toxicology  
Ph.D., Reading University, UK

**Jun Tan**, Research Assistant Professor of Pharmacy Administration  
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University

**Frank A. Witzman**, Adjunct Professor of Toxicology  
Ph.D., Marquette University

## **188 THE UNIVERSITY OF LOUISIANA AT MONROE**

The Doctor of Pharmacy degree is the highest level of applied professional education offered in pharmacy. It is designed to assure development of clinical skills and judgment with the acquisition of the confidence necessary to assess therapeutic problems and to be an active participant in those decision-making processes relating to pharmaceutical care. The program is designed to provide a broad spectrum of study in the administrative, biological, clinical, pharmaceutical, and social sciences to prepare the graduate for careers in academic, ambulatory, industrial and institutional settings.

### **GENERAL INFORMATION**

The College of Pharmacy was established by the State Board of Education on August 11, 1956 and continues to serve as Louisiana's sole State supported Pharmacy Program. The College of Pharmacy continues to evolve to meet the health care needs of the State's population, and in 1998, began to offer the Doctor of Pharmacy degree as its sole entry level professional pharmacy degree. The College also offers the State's only masters and doctor of philosophy degrees in the areas of pharmacy and pharmaceutical sciences. The Bachelor of Science program in Toxicology was initiated in 1982 and is one of only six programs in the country. The College of Pharmacy currently includes three academic departments - Basic Pharmaceutical Sciences, Clinical and Administrative Sciences, and Toxicology.

### **ACCREDITATION**

The Doctor of Pharmacy program in the College of Pharmacy is accredited by the Accreditation Council for Pharmacy Education. The College of Pharmacy is a member of the American Association of Colleges of Pharmacy, an organization whose mission is to promote pharmaceutical education and research.

### **DOCTOR OF PHARMACY PROGRAM**

The Doctor of Pharmacy degree is the highest level of applied professional education offered in pharmacy. It is designed to assure development of clinical skills and judgment with the acquisition of the confidence necessary to assess therapeutic problems and to be an active participant in those decision-making processes relating to pharmaceutical care. The program is designed to provide a broad spectrum of study in the administrative, biological, clinical, pharmaceutical, and social sciences to prepare the graduate for careers in academic, ambulatory, industrial and institutional settings.

Admission to the Doctor of Pharmacy requires preparatory coursework focusing in the areas of biological, chemical and physical sciences and written and oral communications that need to be completed prior to admission into the College of Pharmacy. Students wishing to pursue a career in pharmacy are encouraged to complete their pre-pharmacy requirements in conjunction with pursuing a four year degree (e.g., toxicology, biology, chemistry, etc.). Pre-pharmacy preparatory coursework may be completed at any accredited University. Students aspiring to complete their pre-pharmacy preparatory coursework at the University of Louisiana at Monroe must meet the admission requirements for the University.

Upon completion of the preparatory coursework, students may apply for admission to the Doctor of Pharmacy program in the College of Pharmacy. Admission to the program is competitive and, at a minimum, is based on cumulative pre-pharmacy preparatory course work grade point average, written and oral communication skills, and scores on the Pharmacy College Admission Test.

For the 2009 admission cycle, students applying for admission to the College of Pharmacy must meet the following academic requirements:

1. Have a minimum 3.0 cumulative grade point average;
2. Meet the University of Louisiana at Monroe's core curriculum requirements with a grade of "C" or better in each core course, and
3. Complete the following courses or their equivalents with a grade of "C" or better:
  - a. Biology 120, 121, 214, 215, 220, 240, 241, 305, 311, 312, and 313.
  - b. Business 305
  - c. Chemistry 107, 108, 109, 110, 230, 231, 232, 233, and 350.
  - d. Economics 201
  - e. English 101, 102, and 220.
  - f. Kinesiology 201
  - g. Management 301
  - h. Math 113, 131, 132, and 305.
  - i. Physics 203, 204, 207, 208.
  - j. Speech 201

Students applying for admission in the 2008 admission cycle must complete the following requirements:

1. Have a minimum 3.0 cumulative grade point average;
2. Meet the University of Louisiana at Monroe's core curriculum requirements with a grade of "C" or better in each core course, and
3. Complete the following courses or their equivalents with a grade of "C" or better:
  - a. Biology 120, 121, 214, and 215
  - b. Chemistry 107, 108, 109, 110, 230, 231, 232, and 233
  - c. Economics 201
  - d. English 101, 102, and 220
  - e. Kinesiology 201
  - f. Math 113, 114.
  - g. Physics 203, 204
  - h. Psychology 439 or Math 116
  - i. Speech 201
4. Students with the following course in addition to those required for admission will be given preference in the 2008 admission cycle:
  - a. Biology 220, 240, 241, 305, 311, 312, and 313.
  - b. Business 305
  - c. Chemistry 350
  - d. Management 301
  - e. Math 131, 132, (Substitutes for Math 114) and 305 (substitutes for Psychology 439 or Math 116)
  - f. Physics 207 and 208

## **ADMISSION TO THE DOCTOR OF PHARMACY PROGRAM**

Admission to the program is competitive, and is based on the student's academic ability, communication skills, and potential for professionalism. As required by the Accreditation Council for Pharmacy Education, the College of Pharmacy offers extensive experiential clerkship instruction in its educational program. For this reason, admissions are determined annually based upon the availability of the instructional resources available to the program. Preference for admission is extended to Louisiana residents. The University of Louisiana at Monroe, Office of Admissions determines residence status in accordance with the regulations of the University of Louisiana System Board of Supervisors.

In addition to meeting the requirements of admission for the University of Louisiana at Monroe, applicants for admission to the Professional Program in the College of Pharmacy must have completed the required pre-pharmacy preparatory coursework with no grade less than C and possess a cumulative grade-point average of at least 3.000 (uncorrected, based on a 4.0 system) in all previous coursework undertaken, exclusive of developmental courses, whether passed or failed at all institutions of attendance.

Applications for admission to the Doctor of Pharmacy program are due to the Office of Student and Professional Affairs in the College of Pharmacy no later than January 15 immediately preceding the applicants effective admission date, and all pre-pharmacy preparatory coursework and university core curriculum requirements must be completed no later than June 1st immediately preceding the applicant's requested effective admission date. Coursework completed more than seven years prior to the applicant's requested admission date cannot be used to satisfy pre-pharmacy requirements and will be excluded from all evaluations and grade point calculations associated with the professional program admission process.

Official scores from the Pharmacy Collage Admission Test (PCAT) must be submitted by students applying for admission to the professional program. PCAT scores must be submitted by the January 15 admissions deadline. Selected qualified students will be invited to campus for interviews to evaluate their written and oral communication skills and potential for professionalism. Applicants are expected to exhibit the degree of maturity commensurate with academic study as well as motivation for the practice of pharmacy. Applications will be reviewed by the Admissions Committee, and the Dean will take final action on the committee's recommendation and notify the students concerned. A complete explanation of application procedures pertaining to the current admissions cycle and application forms are available online at the College of Pharmacy website







appeal to the college dean of their intended new major for reinstatement to the University. University probation and suspension transfer rules apply in such cases.

### **DEGREE REQUIREMENTS**

In addition to meeting the general requirements for graduation, the candidate for the Doctor of Pharmacy degree must, after completing the requirements of the pre-pharmacy preparatory coursework, be enrolled in the professional pharmacy curriculum for a minimum of four academic years (eight semesters or equivalence) and have earned a minimum grade of "C"

## DOCTOR OF PHARMACY CURRICULUM

## FOUR YEAR PROGRAM

**First Professional Year  
(Fall & Spring Semesters)**

	<b>Hrs.</b>
Pharmacy 300 .....	.1
Pharmacy 350 .....	.3
Pharmacy 402 .....	.4
Pharmacy 403 .....	.3
Pharmacy 407 .....	.3
Pharmacy 408 .....	.2
Pharmacy 409 .....	.3
Pharmacy 411 .....	.3
Pharmacy 412 .....	.3
Pharmacy 425 .....	.3
Pharmacy 436 .....	.1
Pharmacy 451 .....	.3
Pharmacy University Capstone Course .....	.3
<b>Total .....</b>	<b>.35</b>

**Second Professional Year  
(Summer Term, Fall & Spring Semesters)**

Pharmacy 410 .....	.3
Pharmacy 413 .....	.4
Pharmacy 414 .....	.4
Pharmacy 418 .....	.2
Pharmacy 424 .....	.4
Pharmacy 432 .....	.3
Pharmacy 446 .....	.3
Pharmacy 480 .....	.3
Pharmacy 585 .....	.4
Pharmacy 586 .....	.5
Pharmacy Electives .....	.2
<b>Total .....</b>	<b>.37</b>

**Third Professional Year  
(Summer Term, Fall & Spring Semesters)**

Pharmacy 385 .....	.2
Pharmacy 445 .....	.1
Pharmacy 454 .....	.3
Pharmacy 481 .....	.3
Pharmacy 503 .....	.2
Pharmacy 515 .....	.3
Pharmacy 557 .....	.2
Pharmacy 587 .....	.2
Pharmacy 588 .....	.4
Pharmacy 589 .....	.2
Pharmacy Electives .....	.8
<b>Total .....</b>	<b>.35</b>

**Fourth Professional Year  
(Non-Standard Pharmacy Terms I & II)**

Pharmacy 591 .....	.3
Pharmacy 592 .....	.3
Pharmacy 604 .....	.3
Pharmacy 608 .....	.3

Pharmacy 630 .....	.3
Pharmacy 631 .....	.3
Pharmacy 606 or 609 .....	.3
Pharmacy 629 or 632 .....	.3
<b>Total .....</b>	<b>.24</b>
<b>Total hours for degree, 231 (includes preparatory coursework)</b>	

**PHARMACY  
(PHAR)**

**Doctor of Pharmacy Requirements**

Required for a major: 300, 350, 385, 402, 403, 407, 408, 409, 410, 411, 412, 413, 414, 418, 424, 425, 432, 436, 445, 446, 451, 454, 480, 481, 503, 515, 557, 585, 586, 587, 588, 589, 591, 592, 604, 608, 630, 631, either 606 or 609, either 629 or 632, and 10 hours of approved pharmacy electives - Total of 131 semester hours.

**COURSES** (See 173-176 of Pharmacy Fields of Study section for additional courses.)

**PHARMACY  
(PHAR)**

- 300. INTRODUCTION TO PHARMACY. 1 cr.** An introduction to the pharmacist in society, modes of pharmacy practice, historical perspectives, fundamentals of professional responsibility. Grading will be on a credit, no credit basis. Students receiving a grade of “no credit” must repeat the course. Prerequisite: First Year Pharmacy Standing.
- 301. STRESS AND THE IMPAIRED PROFESSIONAL. 1 cr.** A discussion of factors associated with inappropriate responses to stress leading to impairment of health professionals such as alcoholism, drug dependence, and occupational burnout with emphasis on preventative strategies.
- 302. MEDICAL ETHICS. 2 cr.** The class will address ethical dilemmas the health professionals face in their professional careers. The students will gain keener insight into the problems associated with health care delivery systems and will be prepared to face the ethical problem that will surface with the adoption of reform. Open to majors in the School of Pharmacy only.
- 310. HISTORY OF PHARMACY. 2 cr.** An examination of the historical basis of contemporary pharmacy practice.
- 350. PHARMACY ADMINISTRATION. 3 cr.** Principles of management and functions essential to the distribution of goods and services in the pharmaceutical marketplace. Prerequisites: Economics 201; Accounting 110; First Year Pharmacy Standing.
- 385. PATIENT COUNSELING AND COMMUNICATION. 2 cr.** Principles and techniques of communication applicable to pharmacy practice. Prerequisite: Second Year Pharmacy Standing.
- 402. PHARMACEUTICS I. 4 cr.** Fundamentals of measurement and calculation and an introduction to liquid oral dosage forms. Three hours lecture and three hours laboratory per week. Prerequisite: First year pharmacy standing.
- 403. PHARMACEUTICS II. 3 cr.** A study of heterogeneous liquid, semi-solid dosage forms. Transdermal and novel drug delivery systems will be discussed. Prerequisite: 402
- 404. PUBLIC HEALTH SCIENCE. 2 cr.** Development, scope, and methods employed in public health. Principles of biostatistics, epidemiology, environmental sanitation and the study of major health problems are included.
- 406. COMMUNITY HEALTH EDUCATION. 2 cr.** Development of technologies that facilitate changes in health-related behavior that affect individuals, organizations, and social or community systems.
- 407. MEDICINAL CHEMISTRY I. 3 cr.** The biochemical basis of drug action. A molecular biology approach with pharmaceutical orientation will be stressed. Special emphasis will be placed on biochemical catalysis (enzyme structure, kinetics, and regulation), metabolism of major food constituents, nutritional parameters affecting bio-chemical processes, hereditary metabolic diseases, and the basic biochemical processes, hereditary metabolic diseases, and the basic biochemical processes associated with biotechnology. Prerequisite: First Year Pharmacy Standing.
- 408. IMMUNOLOGY & BIOTECHNOLOGY. 2 cr.** A discussion of non-specific host defense mechanisms and a detailed description of specific immunity. Products that impart artificial active and



454. **LAW. 3 cr.** Local, state and federal laws, rules and regulations relating to the practice of Pharmacy. Prerequisite: Second Year Pharmacy.
465. **PROBLEMS. 1-3 cr., Maximum 6 cr.** Individual Investigations of selected problems in pharmaceutical chemistry, pharmacognosy, pharmacology, pharmacy, and pharmacy administration. Three hours laboratory work per week per credit hour. Prerequisite: For Pharmacy majors only. Approval of department head.
467. **PESTICIDES. 2 cr.** Chemicals and drugs which have important application as insecticides, herbicides, fungicides, and rodenticides. Prerequisite: 413.
470. **HOSPITAL PHARMACY. 2 cr.** The history of hospitals, organization and administration of patient care facilities, distribution of pharmaceuticals to inpatients and outpatients, abilities required of the pharmacist, and the many roles of the pharmacist as a member of the health team. Prerequisites: Second Year Pharmacy Standing.
471. **DRUG INFORMATION AND BIostatISTICS. 2 cr.** Principles and techniques employed in the evaluation of clinical literature with emphasis on the effective use of pharmaceutical and medical literature. Prerequisites: Second Year Pharmacy Standing.
472. **PROFESSIONAL SERVICE ACCESSORIES. 3 cr.** Selection, indications, uses, warnings, maintenance and storage of prescription accessories and related items. Prerequisite: Second Year Pharmacy Standing.
473. **NONPRESCRIPTION MEDICATION. 2 cr.** The positive and negative aspects of self-medication and the pharmacist's role in evaluating, selecting, and recommending nonprescription medicine. Prerequisite: Credit or registration in 414.
479. **NUCLEAR PHARMACY. 2 cr.** Handling and storage of radioisotopes and their application to pharmacy. The official radiopharmaceuticals and non-official radiopharmaceuticals of merit employed in therapy will be considered. Prerequisite: Second year pharmacy.
480. **INTRODUCTORY COMMUNITY PHARMACY EXPERIENCE. 3 cr.** A one-month introduction to the practice of pharmacy in the community setting. Minimum of 40 hours per week experiential training. Prerequisite: First year pharmacy standing.
481. **INTRODUCTORY INSTITUTIONAL PHARMACY EXPERIENCE. 3 cr.** A one-month introduction to the practice of pharmacy in the institutional setting. Minimum of 40 hours per week experiential training. Prerequisite: Second year pharmacy standing.
489. **INTRODUCTORY TOXICOLOGY. 3 cr.** Survey of the occurrence, properties and harmful effects of natural and man-made toxic substances in personal, occupational and global environments. Prerequisites: Credit or registration in Zoology 311, 313, and Chemistry 304.
493. **CASE STUDIES IN PHARMACY ADMINISTRATION. 2 cr.** Case studies in drug marketing, pharmacy law and ethics, professional relations, and managerial accounting. Prerequisite: 451, 454.
494. **RETAIL PHARMACY MANAGEMENT. 3 cr.** Principles and problems related to the planning, organizing, and controlling of the retail pharmacy. Prerequisite: 451.
496. **PHARMACEUTICAL LEGISLATION. 3 cr.** Historical Development of pharmaceutical law and its effect on the practice of pharmacy. Prerequisite: 454.
503. **PATIENT ASSESSMENT FOR PHARMACISTS. 2 cr.** Utilization of physical assessment findings to evaluate drug therapy needs and response. Prerequisite: Third Year Pharmacy Standing.
515. **CLINICAL PHARMACOKINETICS. 3 cr.** The application of pharmacokinetic principles to the safe and therapeutic management of the individual patient. Prerequisites: 432.
524. **CLINICAL TOXICOLOGY. 2 cr.** Information on the clinical management of poisonings including the assessment of toxic potential, stabilization of vital function, and specific antidotal measures. Prerequisite: Third Year Pharmacy Standing.
557. **PHARMACOTHERAPY FORUM. 2 cr.** Exercises designed to give experience in making and evaluating formal medical presentations. Prerequisite: Credit or registration in 588.
585. **DISEASE PATHOGENESIS AND PHARMACOTHERAPY I. 4 cr.** Pathogenesis, diagnosis and rational therapeutic approaches to treatment of selective disease states in humans. Prerequisite: 408, 412, 425; Credit or registration in 410, 413.
586. **DISEASE PATHOGENESIS AND PHARMACOTHERAPY II. 5 cr.** Pathogenesis, diagnosis and rational therapeutic approaches to treatment of selective disease states in humans. Prerequisite: 410, 413, 585; Credit or registration in 414.
587. **DISEASE PATHOGENESIS AND PHARMACOTHERAPY III. 5 cr.** Pathogenesis, diagnosis and rational therapeutic approaches to treatment of selective disease states in humans. Prerequisite: 414, 418, 586.

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- 588. DISEASE PATHOGENESIS AND PHARMACOTHERAPY IV. 4 cr.** Pathogenesis, diagnosis and rational therapeutic approaches to treatment of selective disease states in humans. Prerequisite: 414, 418, 587.
- 589. RESEARCH METHODS FOR THE PHARMACIST. 2 cr.** Introduction to the design and common statistical analysis of clinical drug trials. Prerequisite: 425; Third Year Pharmacy.
- 591. ADVANCED INSTUTIONAL PHARMACY EXPERIENCE. 3 cr.** One-month, forty hours per week experiential training in an inpatient hospital or institution based pharmacy practice. Prerequisite: Fourth year pharmacy standing.
- 592. ADVANCED COMMUNITY PHARMACY EXPERIENCE. 3 cr.** One-month, forty hours per week experiential training in a community based pharmacy practice. Prerequisite: Fourth year pharmacy standing.
- 604. AMBULATORY CARE EXPERIENCE I. 3 cr.** A one-month structured experience in the provision of clinical pharmacy services in ambulatory settings. A minimum of 40 hours/week of experiential training. Prerequisite: Fourth year pharmacy standing.
- 606. AMBULATORY CARE EXPERIENCE II. 3 cr.** A one-month continuation of Pharmacy 604 with greater involvement in therapeutic decision making. Minimum of 40 hours per week experiential training. Prerequisite: Credit or registration in 604.
- 608. ACUTE CARE EXPERIENCE I. 3 cr.** A one-month structured experience focusing on clinical pharmacy services in the acute care setting. Minimum of 40 hours per week experiential training. Prerequisite: Fourth Year Pharmacy Standing.
- 609. ACUTE CARE EXPERIENCE II. 3 cr.** A one-month continuation of Pharmacy 608 with greater involvement in therapeutic decision making. Minimum of 40 hours per week experiential training. Prerequisite: Credit or registration in 608.
- 629. NON-PATIENT CARE EXPERIENCE. 3 cr.** A one-month structured experience focusing on aspects of pharmacy outside of direct patient care. Minimum of 40 hours per week experiential training. Prerequisite: Fourth Year Pharmacy Standing.
- 630. PATIENT CARE EXPERIENCE I. 3 cr.** A one-month structured experience focusing on patient centered pharmacy services in the acute or ambulatory care setting. Minimum of 40 hours per week experiential training. Prerequisite: Fourth Year Pharmacy Standing.
- 631. PATIENT CARE EXPERIENCE II. 3 cr.** A one-month structured experience focusing on patient centered pharmacy services in the acute or ambulatory care setting. Minimum of 40 hours per week experiential training. Prerequisite: Credit or registration in 630.
- 632. PATIENT CARE EXPERIENCE III. 3 cr.** A one-month structured experience focusing on patient centered pharmacy services in the acute or ambulatory care setting. Minimum of 40 hours per week experiential training. Prerequisite: Credit or registration in 631.

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**Z**

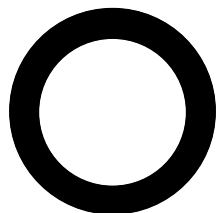
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