

University of C78 SI0 g Arkansas

# Undergraduate Bulletin - What's New

# Document Number 0.04

This file records additions and changes to the UCA Undergraduate Bulletin 2004-2006. Minor editorial corrections are not noted here, but individual files indicate a "Last Modified" date. Parenthetical initials indicate the responsible person. Contact the provost's office (450-3126) if you have questions.

August 2004

# Undergraduate Bulletin - Bulletin Provisions

# Document Number 1.01

The University of Central Arkansas anticipates that students entering the university during the effective years of this bulletin will be governed by the graduation requirements and other policies and procedures set forth herein. However, the university reserves the right to change such requirements, policies, or procedures in accordance with its established procedures for decision making, which exist to protect the academic integrity of its programs and the individual student's interests and welfare. A student may opt for a subsequent bulletin but must meet all of the requirements specified by that bulletin. After initial enrollment, a student who returns to the university after any period of non-enrollment of 12 months or more must complete the requirements of the bulletin in effect at the time of re-enrollment.

# Undergraduate Bulletin - Notice of Non-Descrimination

### Document Number 1.02

The University of Central Arkansas is an affirmative action/equal opportunity institution. In keeping with its non-discrimination policy in employment, admissions and other functions and programs, the university considers employees and students on the basis of individual merit without regard to sex, race or color, religion, national origin, age, disability, or other factors irrelevant to participation in its programs. Persons having questions or seeking information regarding the university's implementation of regulations and requirements related to this policy should contact one of the following:

Affirmative Action/Equal Employment Officer University of Central Arkansas 201 Donaghey Avenue Conway, Arkansas 72035 (501) 450-3170

Director of Disability Support Services Student Center 01A UCA PO Box 5145 Conway, AR 72035 (501) 450-3135

Director of Human Resources University of Central Arkansas 201 Donaghey Avenue Conway, AR 72035 (501) 450-3181

### Undergraduate Bulletin - Accreditation Notice

## Document Number 1.03

The University of Central Arkansas is accredited by the Higher Learning Commission as a bachelor's, master's, specialist's, and doctoral degree granting institution and is a member of the North Central Association of Colleges and Schools; the National Council for the Accreditation of Teacher Education accredits the teacher education program at the initial teacher preparation level and advanced levels. The master's and baccalaureate degrees in business administration are accredited by AACSB International - The Association to Advance Collegiate Schools of Business. The master's and baccalaureate degrees in nursing are accredited by the National League for Nursing and the Commission on Collegiate Nursing Education. The baccalaureate programs in medical technology, radiography, and nuclear medicine technology are accredited in affiliated professional education programs by the Commission on Accreditation of Allied Health Education Programs. The master's degree program in occupational therapy is accredited by the Accreditation Council for Occupational Therapy Education. The master's degree program in speech-language pathology is accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology. The associate and entry-level master's degree programs in physical therapy are accredited and the entry-level clinical doctorate in physical therapy has been granted interim accreditation by the Commission on Accreditation in Physical Therapy Education. The graduate dietetics internship program is accredited by the Commission on Accreditation for Dietetics Education. The undergraduate didactic program in dietetics is currently granted developmental accreditation status by the Commission on Accreditation for Dietetics Education. The University of Central Arkansas is an accredited institutional member of the National Association of Schools of Art and Design, the National Association of Schools of Music, and the National Association of Schools of Theatre. The master's degree program in school psychology is accredited by the National Association of School Psychology. The baccalaureate degree in chemistry is accredited by the Committee on Professional Training of the American Chemical Society.

Documentation of accreditation status is available in the President's Office.

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Undergraduate Bulletin - Academic Program and Organization

Document Number 2.03

### [1] College of Business Administration

- Accounting BBA
- Business AAS
- Business Administration BBA, MBA
- Economics BA, BBA, BS
- Economics, International Trade Emphasis BA, BBA
- Finance BBA
- Management Information Systems BBA
- Insurance and Risk Management BBA
- International Business IMBA
- Management BBA
- Marketing BBA

#### [2] College of Education

- Business and Marketing Education BSE
- Childhood Education (P-4) BSE
- Community Service Counseling MS
- Counseling Psychology MS
- Educational Leadership EdS (through the Graduate School of Management, Leadership, and Administration)
- Early Childhood Education MSE (under revision)
- School Leadership, Management, and Administration MS (through the Graduate School of Management, Leadership, and Administration)
- Library Media and Information Technology MS
- Middle Level Education (4-8) BSE
- Psychology BA, BS
- Reading MSE
- School Counseling MS
- School Psychology MS, PhD
- Special Education MSE
  - Collaborative Instructional Specialist, Ages 0-8
    Collaborative Instructional Specialist, Grades 4-12

## [3] College of Fine Arts and Communication

- Art BA, BFA
- Linguistics (minor)
- Mass Communication BA, BS
- Music BM, MM
- Speech BA, BS
- Theatre BA, BS
- Writing BA

The student who desires to accelerate a formal education may apply for admission to the university at the end of the junior year in high school.

In addition to regular admission criteria, a student seeking early admission will have completed a minimum of six semesters of secondary school work, earned a B or better average, have an ACT composite score of at least 25, or equivalent scores on the SAT or ASSET exams, and be recommended by the high school principal.

[5.2] Part-Time, Concurrent with High School Enrollment

Act 57 of the 1983 Extraordinary Session of the Legislature provides that qualified students enrolled in high school may be admitted concurrently as part-time students at the university. The criteria for admission under this program are as follows:

I. Recommendation by the high school principal.

II. Satisfaction of the requirements under either A or B below:

A. Presentation of standardized test scores and high school grades.

1. A score on the portion of the ACT, PSAT, or SAT in the subject matter area of the course(s) at the 80th percentile on national norms. (If the subject matter area is not related to a portion of one of these tests, the composite score at the 80th percentile is to be used.) AND

2. High school grades of either:

a. A grade point average of 3.5 (on a 4-point system) in high school courses in the subject matter. For ninth grade students, courses in the previous two school years shall be included.

b. An overall grade point of 3.5 (on a 4-point system). For ninth grade students, courses in the previous two school years shall be included.

B. Individual evaluation based on other performance criteria.

A student who does not meet the above standards may be recommended by the high school principal for admission to selected courses based upon other performance criteria, e.g., music, art, etc. Such criteria will be performance based, appropriate for the desired course, and demonstrable to the university. To be admitted under this category, a student will need the recommendation of the appropriate university department and the Dean of Undergraduate Studies.

The university will review the admission and enrollment of each high school student each semester.

The university accepts transfer work from other institutions taken when the student was concurrently enrolled in high school, so long as the student met the criteria at the time the work was taken.

[5.3] Summer Study for High School Students

A student between the junior and senior year in high school is eligible to apply to attend summer school at the University of Central Arkansas. This special program provides an opportunity for the capable student to find rewarding learning experiences and benefit from an early start in the college career. Once admitted, such a student attends regular college courses and earns college credit applicable to a degree.

Upon the successful completion of the special summer program, the student may elect to return to high school for the senior year, or apply for the early admission plan that substitutes the freshman year in college for the fourth year in secondary school. All of the requirements of the early admission program need

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maximum of sixty semester hours (exclusive of four activity hours in physical education) transferred from a two-year institution may be applicable toward a baccalaureate degree. The equivalent of two full years' work (sixty semester hours) at the senior college level will be required for a baccalaureate degree.

Acceptance of credits and subsequent establishment of standing are provisional until completion of one semester of satisfactory work in residence at UCA.

The university publishes "Transfer Credit Guidelines," which specifies UCA course equivalents for courses taught at each of the Arkansas public community and technical colleges.

### [9] Associate of Arts Degree Articulation Agreement

The University of Central Arkansas participates in an agreement with two-year institutions of higher education in Arkansas to assist students holding an Associate of Arts degree.

Satisfactory completion of an Associate of Arts degree designed for transfer will be accepted as satisfying the general education requirements of UCA. A student who holds an Associate of Arts degree with a 2.0 cumulative grade point average will be accepted for transfer with junior classification subject to the following conditions:

1. The Associate of Arts degree must include the following courses (SCH = semester credit hour[s]):

English Composition (Writing): 6 SCH

Arts and Humanities: 9 SCH (including 3 semester hours survey of literature)

Speech: 3 SCH

College Algebra (or above): 3 SCH

Natural Science (Lab/Bio/Phys Sci): 8 SCH

Social Sciences: 15 SCH (must include 3 semester hours of US history or government and 3 semester hours in Western Civilization. The remaining 9 hours must include 3 semester hours in 2 of the following areas: psychology, sociology, economics, geography, political science, or anthropology)

Health/Physical Education: 2 SCH

TOTAL: 46 SCH

2. Remedial course grades will not be computed in the cumulative grade point average for purposes of admission to a four-year institution.

3. Courses taken to satisfy AA degree requirements must be transferable to the four-year institution.

4. Degree and program requirements (catalog rights) for students who transfer from a two-year institution to a four-year institution under this agreement will be determined in the same manner as if their initial enrollment had been at the four-year institution; and

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#### [1] Orientation, Advising, and Registration

The academic year beginning in August comprises two semesters, two intersessions, and a summer session.

The university assists students in adjusting to college life. An effort is made to promote self-respect, personal and school pride, and honor so that students may become responsibly self-directing, not only in campus and off-campus experiences, but in later experiences as individuals, professional persons, and citizens. Several orientation programs are offered to assist freshmen and transfer students. A summer orientation program gives students and parents an opportunity to learn more about UCA, its services and programs, and to advance register for fall semester classes. Immediately prior to the beginning of the fall and the spring semesters, orientation sessions are offered for freshmen and transfer students. Orientation sessions focus on providing students with information to help them succeed at UCA.

The university makes available detailed information about registration procedures and dates. All students are expected to follow established procedures to register for courses during the dates specified for each academic term. Credit is not awarded in any course for which the student is not duly registered. Once registered, a student will be considered officially enrolled unless they officially withdraw from the university before the first date of classes for the term. Each student is responsible for planning a program of study and for meeting numbering and prerequisites), upper-and lower-division requirements, the unit of credit, and the normal study load limit.

All students receive assistance of a faculty advisor. First-year freshmen and students who have not declared a major will receive advising from the Division of Undergraduate Studies Academic Advising Center in Harrin 100. Declared students in their sophomore year or higher will receive advising from their major advisor within the department in which the major is located. It is ultimately the responsibility of all students to be informed of all regulations and requirements and to monitor progress toward a successful university experience, including meeting any and all requirements for a degree from UCA.

## [2] - [3] Changes in Registration/Withdrawal from Courses or the University

Note: This section reflects changes in policy, effective in the spring semester 2003. The superseded policy is made available here for reference: link to archived policy statement.

The change-of-course procedure requires approval by the student's advisor and the Office of the Registrar. No addition to a student's schedule may be made after the late registration period. The semester schedule of classes information outlines procedures and lists dates for course changes. A student may officially withdraw from a con dates specified in the academic calendar for the semester. If a student withdraws from a course or the university during the change-of-course period, no grade will be recorded.

After the change-of-course period, a withdrawal grade (W - Withdrawn, WP - Withdrawn Passing, or

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- to be able to conduct and incorporate library and Internet research into their writing as a means of engaging in academic conversations;
- to be able to use academic documentation with clarity and consistency.

[2.2] Fine Arts

• to be able to communicate effectively in a variety of situations;

- to be able to listen effectively in a variety of situations;
- to be able to understand the influence of perception on communication;
- to be able to understand the nature and the use of language as a communication tool;
- to be able to think critically and evaluate a variety of messages.

or, if required by the student's program of study, MATH 1392 Plane Trigonometry MATH 1395 Business Calculus MATH 1396 Calculus for the Life Sciences MATH 1580 Algebra and Trigonometry MATH 1591 Calculus I

#### [5.7] Oral Communication

3 hours minimum required.

SPCH 1300 Basic Oral Communication

#### [5.8] Natural Sciences

8 hours minimum required. Both courses must include laboratories.

4 hours minimum required:

BIOL 1400 General Biology or, if required by the student's program of study, BIOL 1440 Principles of Biology I

#### and 4 hours minimum required:

CHEM 1400 Chemistry in Society PHYS 1400 Physical Science for General Education PHYS 1401 Descriptive Astronomy or, if required by the student's program of study, CHEM 1450 College Chemistry I CHEM 1451 College Chemistry II CHEM 1452 Physiological Chemistry I CHEM 2450 Physiological Chemistry II PHYS 1405 Applied Physics PHYS 1410 College Physics 1 PHYS 1441 University Physics 1

#### [5.9] Behavioral and Social Sciences

6 hours minimum required. Courses must be selected from two different disciplines.

ECON 1310 Modern Political Economy or ECON 2310 Global Environment of Business GEOG 1305 Principles of Geography PSCI 1330 US Government and Politics or PSCI 2300 International Relations PSYC 1300 General Psychology SOC 1300 Principles of Sociology or SOC 1302 Anthropology HONC 1320 Honors Core II HONC 2310 Honors Core III

#### [5.10] World Cultural Traditions

9 hours minimum required.

3 hours minimum required:

HIST 1310 World History I HIST 1320 World History II

3 hours minimum required:

ENGL 2305 World Literature I ENGL 2306 World Literature II

3 hours minimum required:

ENGL 2305 World Literature I ENGL 2306 World Literature II FYFS 1310 First Year Seminar: Studies in World Cultural Traditions HIST 1310 World History I HIST 1320 World History II PHIL 1330 World Philosophies RELG 1320 World Religions WLAN/WRTG 2350 World Languages WLAN 1310 Introduction to African and African-American Studies HONC 2310 Honors Core III

A course may be used only once to satisfy the general education requirements.

#### [6] First-Year Seminars in General Education

First-year seminars are general education topics courses. They are 3-credit-hour seminars limited to 20 first-year students and are intended to be reasoning-, writing-, and discussion-intensive courses that fulfill the general education requirement in humanities or world cultural traditions. (They are NOT extended freshman orientation classes.)

Any full-time faculty member (or team of two faculty members) can propose a first-year seminar. The objectives of a first-year seminar are parallel to the objectives of the general education program with an emphasis on the core skills of thinking, writing, and speaking. Accordingly, first-year seminars emphasize increasing knowledge through skills-based instruction and active student involvement.

A student can take only one first-year seminar. No more than three seminars from any one general education area will be offered during a semester. First-year seminars do not count for major credit, unless allowed by the department. Students taking first-year seminars should be aware that these seminars may not meet requirements for certain professional degree programs. Consult your advisor.

FYFS 1301 FIRST-YEAR SEMINAR: STUDIES IN HUMANITIES Fulfills the 3-hour requirement in humanities.

FYFS 1310 FIRST-YEAR SEMINAR: STUDIES IN WORLD CULTURAL TRADITIONS Fulfills the last 3 hours of the 9-hour requirement in world cultural traditions.

For more information contact the Director of General Education.

# Undergraduate Bulletin - Degree Requirements

Document Number 2.09

#### [1] Associate Degrees

The University of Central Arkansas offers the Associate of Arts and Associate of Applied Sciences degrees.

The minimum requirement for each degree is 62 semester hours of unduplicated credit. At least 24 of the last 30 hours must be earned in residence at the university.

#### [1.1] General Education Requirements for the Associate of Applied Science Degree

A minimum of 21-22 hours of general education courses is required for the Associate of Applied Science degree.

Specific general education requirements are American History or US Government (3 hours), WRTG 1310 (3 hours), WRTG 1320 (3 hours); MATH 1360 or Science (3 or 4 hours); Health and Physical Education (3 hours).

Six hours must be chosen from general education courses from departments other than those departments in which courses have been taken to satisfy the foregoing requirements. Since some programs may require work beyond these general education requirements, a student should consult the departmental section of this catalog.

No more than 50 percent of general education hours may be earned by CLEP credit.

[1.2] General Education Requirements for the Associate of Arts Degree[1.1] Genrof

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The requirements for the Bachelor of Science in Nursing are specified in the Department of Nursing section.

#### [2.2.7] Bachelor of Science in Education

Candidates for the BSE degree must complete a major in a certifiable teaching field. Requirements for admission to the teacher education program, admission to directed teaching, licensure, and other requirements are specified in the College of Education section.

# Undergraduate Bulletin - Graduate Programs and Degrees

Document Number 2.10

Graduate Dean: Dr. Elaine McNiece

### [1] Programs and Degrees

For more information about graduate programs and financial assistance for graduate studies, contact the Graduate School at (501) 450-3124.

The University of Central Arkansas offers the following graduate degrees and programs:

Doctor of Philosophy (PhD)

- Physical Therapy
- School Psychology

Doctor of Physical Therapy (DPT)

Educational Specialist (EdS)

Educational Leadership

Master of Arts (MA)

- English
- History
- Mathematics Education
- Spanish

Master of Accountacy

Master of Business Administration (MBA)

International Master of Business Administration (IMBA)

Master of Science in Education (MSE)

- Early Childhood Education (under revision)
- Reading
- Special Education

Master of Science (MS)

- Applied Computing
- Biology
- College Student Personnel Services and Administration
- · Community and Economic Development
- Community Service Counseling
- Counseling Psychology
- Family and Consumer Sciences
- Health Sciences

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# Undergraduate Bulletin - Student Resources and Services

Document Number 2.12

## [1] Student Services

The Division of Student Services actively participates in the academic and service mission of the university. We encourage, support, and challenge students to reach the highest levels of personal development as individuals, group members, and citizens. To achieve its mission, the Division of Student Services provides an array of programs, services, and activities designed to assist students to

- 1. Make a successful transition to college life,
- 2. Acquire the skills to be successful in their chosen career,
- 3. Assume personal responsibility and make healthy life-style choices,
- 4. Become effective leaders,
- 5. Value and respect diverse cultures and backgrounds,
- 6. Develop informed values affirmed by ethical standards of behavior,
- 7. Enhance and protect a sense of community,
- 8. Extend learning beyond the classroom, and
- 9. Make health-enhancing use of leisure time.

## [1.1] Campus Post Office

The University Campus Post Office is located on the first floor of the Student Center. All students living on campus are assigned a post office box where they receive their mail. The Campus Post Office offers regular postal services including stamps, express mail, international mail, and package service. Hours of operation are from 8:00 a.m. to 4:00 p.m. For more information call 450-3115.

## [1.2] Career Services

The Career Services Center, located at 314 Bernard Hall, provides services to assist students in determining career and educational choices. Through both group and individual counseling, the center tries to help students better understand themselves, their interests, and abilities.

The Center will (1) provide information on careers, current job trends, colleges and graduate schools and (2) develop, sponsor and coordinate career-oriented programs for all students throughout the school year. The Center maintains a current library which includes directories of colleges, graduate schools and employers, the latest books on interview preparation and job hunting techniques, literature on specific companies and government agencies, and literature on any career. Career-oriented programs may include seminars, interview preparation, careers for women, career opportunities for minorities, and job-hunting techniques.

Placement services are provided for students and alumni to help them find full time, part-time, temporary, and summer employment in business, industry, government and education.

All students are encouraged to establish placement files with the Center before graduation. Placement records are maintained in the Center under the supervision of the director. These records are released to agencies, institutions, business firms, industrial organizations and individuals only after authorization of the student. Records are kept for a period of three years, after which they must be updated to be reactivated. For more information call 450-3134.

#### [1.3] Cooperative Education

The Office of Cooperative Education, located in 209 Bernard Hall, helps UCA undergraduate students by providing paid skill-based employment off campus that is major-related or career-related and allows students the opportunity to earn academic credits toward graduation.

A Cooperative Education Program allows undergraduate students opportunities beyond the boundaries of the campus, enhancing self-confidence, and clarifying career direction. Students are given the opportunity to apply classroom theories to reality of the world of work *before* graduation. Students must meet minimum participation criteria to be eligible to participate in this program, and must provide a completed application to the program, a resume, and a cover letter. The Office of Cooperative Education will help identify opportunities for student employment and pass that information onto the applicant pool. Students submit resumes, interview, and are hired by external agencies in their academic field.

Cooperative Education is an unrivaled plan of education meshing classroom study with paid, planned, supervised work experience and academic credits toward graduation. For more information call 450-3250.

## [1.4] Copy Center

The UCA Copy Center provides a wide range of copying services for UCA departments. Services include one or two-sided copying, color copying, stapling, folding, cutting, collating, binding, reduction/enlargement, and padding. For more information call 450-5199.

## [1.5] Counseling Center

The Counseling Center, located on the third floor of Bernard Hall, provides students, faculty, and staff with a variety of services designed to facilitate personal development. All services are free and confidential in nature. Appointments can be made by calling 450-3138 or by coming by the Center Monday through Thursday, from 8:00 a.m. to 6:00 p.m., and Friday from 8:00 a.m. to 4:45 p.m. A detailed brochure describing the full scope of activities provided is available upon request or the Center can be accessed on the Internet at www.uca.edu/division/student/counseling. The Counseling Center is accredited by the International Association of Counseling Services, Inc.

## [1.6] Disability Support Services

The Office of Disability Support Services is located in the Student Center basement, room 01A. UCA seeks to be in compliance with both the spirit and letter of the law as stated in Section 504 of the Rehabilitation Act, as amended, and the Americans with Disabilities Act. This office's primary goal is to provide access to all programs and reasonable accommodations to qualified students. Iate s7T4 1 isd5es mocatel eh90.0001r, 3 calling 450 Acts provi0959 TeeyTjilityn

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information including videotapes, pamphlets, and articles are available to student leaders in the Activity Center, located in the Student Center, room 207. For more information call 450-3137.

## [1.12] Minority Services

The Office of Minority Services, located in room 01A of the Student Center basement, is available to provide

each of the National Panhellenic Conference sororities on campus. Panhellenic meets weekly to discuss issues of mutual concern. Panhellenic also coordinates sorority rush and plans major recruitment, philanthropic, social, and educational programs for the sorority community. NPC groups recognized at UCA include: Alpha Sigma Alpha, Alpha Sigma Tau, Delta Zeta, Sigma Kappa, and Sigma Sigma Sigma.

Interfraternity Council (IFC) The IFC is a governing body composed of two representatives from each of the National Interfraternity Conference fraternities on campus. The IFC meets weekly to discuss issues of mutual concern. The IFC coordinates fraternity rush and seeks to develop policies and plan activities to unite the fraternity community and enhance the social and educational experiences of members. IFC groups recognized at UCA include: Alpha Kappa Lambda, Pi Kappa Alpha, Phi Sigma Kappa, Sigma Nu, Sigma Phi Epsilon, and Sigma Tau Gamma.

National Pan-Hellenic Council (NPHC) The NPHC is a governing body composed of representatives from the historically African-American Greek organizations on campus. NPHC meets bi-weekly to discuss issues of mutual concern. NPHC also coordinates an annual calendar for the social events and theme weeks of the eight NPHC fraternities and sororities. NPHC fraternities recognized at UCA include: Alpha Phi Alpha, Kappa Alpha Psi, Omega Psi Phi, and Phi Beta Sigma. NPHC sororities recognized at UCA include Alpha Kappa Alpha, Delta Sigma Theta, Sigma Gamma Rho and Zeta Phi Beta.

## [1.16.4] Residence Hall Life

Many activities and leadership opportunities are offered through residence hall life for students living in the

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							sity, and conform to the accepted customs of civilized society student judicial or conduct system has three primary purpose:	
			student behavio	, protec	the uni	versit	y environment, and protect the rights of students involved in the university endeavors to change student behavior that is co	the
			the university co	mmunit	. To me	et thi	s goal, the university makes extensive use of student judicial	boards
			and educational	sanction	s so that	stud	ents are judged and provided feedback by their peers and pro	vided

Specific university regulations related to student conduct can be found in the UCA Student Handbook and Daily Planner, distributed to students at the beginning of the academic year. The Office of Dean of Students, located in 108 Bernard Hall, can be contacted regarding specific questions. For more information call 450-3416.

# Undergraduate Bulletin - Sexual Harassment Policy

## Document Number 2.14

UCA's Sexual Harrassment Policy (Board Policy 511) is available in full on-line at http://www.uca.edu/divisions/admin/board/policies/511.html; it may also be found in the current UCA Student Handbook.

### [1] Introduction and Definitions

Sexual harassment by any faculty member, staff member, or student is a violation of both law and university policy and will not be tolerated at the University of Central Arkansas. Sexual harassment of

include, but are not limited to, the following:

non-sexual slurs about one's gender;

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Management (MM) Management Information Systems (MIS) Marketing (MM)

#### [5.2.3] Admission Requirements

Students apply to become business majors (BBA majors) when they have met the requirements for admission, usually in their sophomore year. Before being admitted, students are advised as pre-business majors. If students have decided on their intended major during their pre-business term, they may be advised in the departments as pre-accounting, pre-finance, pre-economics, pre-insurance, pre-management, pre-general business administration, pre-marketing, pre-MIS end user/Internet track, pre-MIS programmer/analyst track, pre-MIS spacial systems track, or pre-MIS telecommunications and computer networks track.

BBA-seeking students must

- 1. Obtain a 2.0 or higher cumulative grade point average, and
- Complete at least 24 hours of the business foundation courses, which must include ACCT 2310, 2311, ECON 2320, 2321, QMTH 2330, and
- 3. Obtain a 2.0 or higher cumulative grade point average in the business foundation courses completed.

To remain eligible to enroll in the business core or major courses a BBA major must:

- 1. Maintain a 2.0 or higher cumulative grade point average in the business foundation courses, and
- 2. Maintain a 2.0 or higher cumulative grade point average in the business core courses, and
- 3. Maintain a 2.0 or higher cumulative grade point average in his or her major.

Any BBA major who fails to meet the requirements listed above after being admitted to the upper division business core and major courses for any semester will be placed on CBA probation for the following semester. If the student does not satisfy all of the grade point requirements listed above by the conclusion of the CBA probation semester, he/she will be dropped from the College of Business Administration core and upper division major courses for which they may have pre-registered for the next semester. Thereafter a student can enroll in non-business upper division courses in order to raise his/her GPA to meet admission requirements for the College of Business.

Business Education majors, business minors, and others who wish to enroll in courses in the College of Business Administration are not bound by the grade point requirements above but must complete the prerequisite courses stated in the bulletin. Non-BBA majors may not take more than 30 hours in the College of Business Administration.

#### [5.2.4] Requirements for the Bachelor of Business Administration

The Bachelor of Business Administration (BBA) degree emphasizes professional development based on a general education background of liberal arts and business courses. Degree requirements are divided into five groups: general education, business foundation, business core, major, and electives.

General education. Complete 47 hours of general education courses. (See the university's general education requirements, listed elsewhere in this bulletin.) Courses in English, history, humanities, culture and language, government, the sciences, mathematics, and health prepare students with basic speaking, reading, writing, and analytical skills as well as the time management and self-discipline skills needed for advanced study.

Business foundation. Complete 30 hours of freshman and sophomore courses in economics, accounting,

statistics, and personal computing to prepare for study in the core functional areas of business and to develop computer skills. ACCT 2310, 2311, 2321; ECON 2310, 2320, 2321; QMTH 2330; MGMT 2301, MIS 2343; and MATH 1395.

Business core. Complete 18 hours of upper-division (3000-4000 level) courses to provide the student with functional business skills. FINA 3330, MIS 3321\*, MGMT 3340, MGMT 3344\*, MGMT 4347\*\*, and MKTG 3350. (Notes: \*Accounting majors take ACCT 3320 in place of MIS 3321 and ACCT 4315 in place of MGMT 3344. \*\*MGMT 4347 must be taken in the student's last semester.)

Major. Complete 24 hours of upper-division courses designated by the department administering the major. The management information systems major requires an additional 3 or 4 credit hours of lower division courses in CSCI 1470 or MIS 1370. All majors include at least one required "writing-intensive" and at least one required "computer applications" course.

Electives. Students must complete the appropriate number of electives to ensure a minimum of 124 credit hours required for graduation. All BBA majors are reminded that graduation requirements include a minimum of 40 hours of upper-division courses.

#### [5.2.5] Other Academic Policies and Requirements

In addition to the courses required to earn the BBA degree, the university and college have established policies on the following: minors and second majors, assessment tests, and grade requirements.

Minors. The BBA degree does not require a minor. BBA degree students cannot minor in any field within the College of Business Administration.

Second majors. By completing the major requirements in a second major beyond the minimum 124 credit hour requirements and prior to earning the first degree, students can complete a second business (BBA) major. If students return after graduation to earn another BBA major, at least 30 semester hours must be taken.

Assessment tests. The university and college reserve the right to require, administer, and apply the results of appropriate assessment tests for the purpose of ensuring the student's basic qualifications to proceed with the desired program of study and/or to earn a degree. Such tests may include, but are not limited to, assessments of (1) personal computing skills, (2) economics knowledge, (3) general education achievement (rising junior exam), and (4) major field achievement.

Grades. Candidates for the BBA degree must satisfy the following minimum grade point average requirements:

- 1. a 2.0 grade point average overall;
- 2. a 2.0 grade point average in all courses used in the foundation and core areas; and
- 3. a 2.0 grade point average in all major courses taken as determined by the department.

## [5.3] Transfer of Credit Policies

In addition to university policies controlling the granting of credit for course work taken at other institutions, the following policies apply to transfer work applied to any undergraduate business program:

Transfer students who are considered for admission to pursue a major in the College of Business Administration must have completed 24 hours of the business foundation courses, which must include ACCT 2310, 2311, ECON 2320, 2321, and QMTH 2330 (or an equivalent course) and have a 2.0 (on a 4.0 scale) cumulative grade point average in the business foundation courses and his or her overall grade point

#### average

- A student's records will be evaluated each semester to determine whether he/she should be admitted to a major. After receiving notification that a student has been admitted into his/her major, the student is expected to arrange for a degree check by his/her College of Business Administration advisor to ascertain remaining requirements.
- A transferred course cannot carry more degree hours than are available in a similar University of Central Arkansas course. For example, a four-hour principles of accounting course transfers to UCA as three hours.
- Credit earned at a two-year college cannot be used to meet upper-division requirements in the College of Business Administration.
- Courses taken at any institution of higher education where the course content is remedial are not acceptable for degree credit.
- 5. The student should be prepared to submit course descriptions, syllabi, or other course-related information for transfer course work if there is any question as to whether the College of Business Administration will grant degree credit for such work.
- 6. Exceptions. All requests for variations from the rules, regulations, and requirements of the College of Business Administration should be made in writing to the Associate Dean of the College of Business Administration. Consult the Dean's Office of the College of Business Administration for these requests. A committee will be formed with one representative from each department serving on this Exceptions Committee, which will be chaired by the Associate Dean. A student has the right to appeal decisions of the Exceptions Committee to the University Adjustments and Credentials Committee.

### [5.4] Bachelor of Science

Major in Economics

[5.5] Bachelor of Arts

Major in Economics

#### [5.6] Master's Degrees in Business Administration

The university offers a program of study leading to a Master of Business Administration (MBA) degree or an International Master of Business Administration (IMBA). These degrees are designed to serve the needs of qualified students preparing for careers in accounting, business, government, and doctoral study in business administration. The IMBA is especially designed for students preparing for careers in multinational businesses or working in businesses that engage in international commerce. An undergraduate business degree is not an admission requirement for graduate business study. Pre-MBA leveling classes are available for Non-Business majors to provide necessary competencies for success in the MBA program. For more information, see the *Graduate Bulletin*.

### [5.7] Master's Degree in Accountancy

The university offers a program of study leading to a Master of Accountancy (MAcc). The degree is designedm-0.0001 Tc0.be 7IEd Cre classes are available

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covers the analysis and design of systems to process and report relevant accounting and non-accounting information for business entities. The course focuses on internal controls and uses the simulated processing of accounting information in a hands-on microcomputer lab environment. Prerequisites: ACCT 3311; MIS 2343. Fall, spring.

3322 LEGAL ENVIRONMENT OF BUSINESS II This is an elective course but is recommended for students who plan to sit for the CPA Exam. The mode of instruction is lecture. A study of agency, commercial paper, forms of business organizations; real and personal property; bailments; the liability of accountants and other professionals; bankruptcy as applied to the different forms of business organizations. Prerequisite: ACCT 2321. Fall, spring.

parents, has made it possible to have unique experiences in economic education. The creation of the Carmichael Professorship is one example of how her endowment has been used to promote education in economics and banking.

Dr. Carmichael (Ph.D., Radcliffe) served as chair of the Economics Department at the University of Central Arkansas from 1931 until her retirement in 1952. Dr. Carmichael's endowment is an extension of her life's work in providing Arkansas students with an understanding of the important economic forces affecting their lives as well as the ability to formulate creative and productive approaches to the economic facets of life.

### [3] Baccalaureate Degrees

### [3.1] Bachelor of Business Administration

The degree of Bachelor of Business Administration requires successful completion of 124 hours including (1) the general education component; (2) the BBA foundation and core requirements; (3) a major as listed below; and (4) electives to bring total credit hours to 124.

#### [3.1.1] Major in Business Administration (General Business) (24 hours)

The general business major requires eight upper-division courses in at least three different teaching areas in Business (ACCT, ECON, FINA, INSU, MIS, MKTG, and MGMT). Further, the major in Business Administration requires students to complete at least one writing-intensive course from among ACCT 4304, ECON 4380, ECON 4335, ECON 4375, FINA 4336, INSU 4320, MGMT 4348, or MKTG 4355 and one computer applications course from among ACCT 4315, INSU 3324, QMTH 3325, MIS 3362, MIS 3301, MGMT 4341, or MKTG 4370.

#### [3.1.2] Major in Economics (24 hours)

Concentration in International Trade. ECON 4333 or ECON 4370 or FINA 3340, and ECON 4335 and ECON 4380, plus 9 hours from the following (ECON 4320, ECON 4375, FINA 4333 and MGMT 4342), plus 6 hours of other upper-division business electives.

#### [3.1.3] Major in Finance (24 hours)

The major consists of eight upper-division courses including ACCT 3311, QMTH 3325, FINA 3340, FINA 3350, FINA 4332, FINA 4333, FINA 4336 and one of the following: FINA 3323, FINA 4331, ACCT 3312, INSU 3324, or MGMT 4341.

### [3.1.4] Major in Insurance and Risk Management (24 hours)

The major consists of eight upper-division courses including INSU 3324, INSU 3315, INSU 3320, INSU 4315, INSU 4320; FINA 4332 and two of the following: INSU 3330, QMTH 3325, FINA 3350, INSU 4310, or INSU 4340.

### [3.1.5] Minor in Business Administration (24 hours)

Not open to BBA students. ACCT 2310, ACCT 2311, ECON 2320, ECON 2321 and 12 hours of additional courses in business. At least 6 hours of upper-division courses must be taken in the minor in business administration.

#### [3.1.6] Minor in Economics (18 hours)

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Not open to BBA students. ECON 1310, 2320, 2321, and 9 hours from upper-division economics courses.

## [3.2] Bachelor of Science

The degree of Bachelor of Science, with a major in economics, requires successful completion of 124 hours, including (1) the general education component; (2) the BS degree requirements; (3) the major as listed

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department chair. On demand.

4383 INTERNSHIP IN ECONOMICS This is an elective course open to Economic majors. Internships are available to provide students academic credit for experiential learning. Three credit hours will be given for this course upon completion of a minimum of 120 contact hours at an approved College of Business student internship. Prerequisite: Senior standing. On demand.

4395 SPECIAL PROBLEMS IN ECONOMICS A course required for graduation with departmental honors. This course allows the student to engage in reading and research under the guidance of a faculty member. Prerequisite: consent of department chair. On demand.

# Undergraduate Bulletin - Courses in Finance

## Document Number 3.01.03.02

## [1] Courses in Finance (FINA)

2330 PERSONAL FINANCE This is an elective course. The mode of instruction is lecture and discussion. Practical applications of personal financial planning, budgeting, and control. Special attention to the use of credit, insurance, savings, retirement planning, and housing finance. On demand.

3323 REAL ESTATE This is an elective course. The mode of instruction is lecture and discussion. Basic principles, laws, and practices related to appraisal, ownership, control, financing, and transfer of residential and other real property. On demand.

3330 MANAGING FINANCE AND CAPITAL This is a required course for all business majors in the business core. The mode of instruction is lecture and discussion. Basic problems and principles in financial management, with special attention to financial planning, asset management, sources of financing, and

course upon completion of a mrBas3m of 120 contact hours at an Approved CBA student internship. Prerequisite: Senior status. On demand.

4195, 4295, 4395 SPECIAL PROBLEMS IN FINANCE An investigation of a selected problem in finance consisting of readings and research and designed to involve the student in substantive analysis. Required for graduation with departmental honors. Prerequisite: consent of department chair. On demand.

management major. Primarily an applications course that seeks to identify, analyze, and deal with business loss exposures including acts of nature, liability claims, and price risk. Included are selection and application of risk control and risk financing tools such as risk retention, reduction, and transfer including insurance and hedging with financial derivatives. Prerequisite: Junior status. Fall.

4320 SELECTED TOPICS IN MARKETING An elective course in the marketing major and minor. Course uses a lecture/discussion approach to examine topics not included in other marketing courses. Prerequisite: MKTG 3350 or MKTG 2350. On demand.

4353 MARKETING RESEARCH AND DATA MANAGEMENT A required course in the marketing major. Course involves the application of research methodology to marketing and management problems. Includes research design, questionnaire construction, sample design, and quantitative data analysis. The goal of the course is to give students the tools either to perform marketing research projects or to interpret the output of such projects. The course involves lecture, discussion, several workshops, computer applications via SPSSW, and a group project. Prerequisite: MKTG 3350. Fall, spring.

4354 CUSTOMER BEHAVIOR A required course in the marketing major. Examines demographic, psychographic, and cultural forces that influence the behavior of customers. Includes internal and external forces and explains the consumer decision process. Uses lecture, discussion, and a required group project. Prerequisite: MKTG 3350. Fall, spring.

4355 MARKETING MANAGEMENT A required course in the marketing major and an elective in the management major. Focuses on applying marketing concepts to business cases and studying the managerial implications of product, pricing, distribution, promotion, and their relationships to customers and business environment. Uses lecture, discussion, and student group work/presentations. This course has been designated as the writing-intensive course for the marketing major. Prerequisites: MKTG 3350 plus 6 hours of marketing or consent of instructor. Fall, spring.

4360 HEALTH CARE MARKETING An elective in the marketing major and minor. Course uses applications of basic theoretical and practical marketing knowledge to the health care industry and gives students an exposure to contemporary health care marketing literature. The goal of the course is to orient students to the marketing and management of health care services. The format of the course includes lecture, discussion, presentations by health care practitioners, and an in-depth examination of health care marketing and management literature. Prerequisite: Consent of instructor. Fall.

4361 MARKETING PLANNING FOR HEALTH CARE ORGANIZATIONS An elective in the marketing major and minor. Examines the process of developing a health care marketing plan and has the goal of equipping students with the knowledge of how to construct a business marketing plan. Uses a combination of lecture, discussion, presentations by health care practitioners, case studies, and a group project, which involves writing a business marketing plan for a health care institution. Prerequisite: Consent of instructor. Sprinc.

4362 SERVICES MARKETING A required course in the marketing major. The course involves the study of marketing in the context of service industries. Special attention will be placed on the unique characteristics of services, as opposed to products, and the importance of services in the US economy. Several of the major services industries (banking, airlines, health care, electronic brokerage) will be specifically examined. The goal of this class is to give students an in-depth knowledge of the services industry. Uses a combination of lecture, discussion, case studies, and a group project. Prerequisite: MKTG 3350. Fall, spring.

4370 FUNDAMENTALS OF DIRECT MARKETING A required course in the marketing major. A computer applications course required of all marketing majors. The course provides an understanding of the strategies, tactics, processes, and technologies associated with direct marketing. Lectures, videos, and practical exercises are used in examining fundamental concepts, principles, business considerations, and associated practical applications. Prerequisite: MKTG 3350. Fall, spring.

4383 INTERNSHIP IN MARKETING An elective course for marketing majors. Internships are available to provide students academic credit for experiential learning. Three credit hours will be granted for this course upon completion of a minimum of 120 contact hours at an approved CBA Student Internship. Prerequisite: Senior standing. On demand.

4390 SPECIAL PROBLEMS IN MARKETING An elective course in the marketing major and minor. Students conduct a guided study of a marketing-related topic. Used primarily by students wishing to earn departmental recognition. Prerequisite: Consent of department chair.

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class uses a lecture/discuss Prerequisite: MGMT 3340 o

4341 QUANTITATIVE METH management major and an course required for all man emphasizes an understandi programming, queuing the Lecture/discussion. Prerequ

4347 MANAGING POLICY A all students in the BBA pro of the basic organizational organization's strategy. Us simulation may be required Prerequisites: FINA 3330;

4348 ADVANCED ORGANIZ course in the management Students will study individu environment. Also consider satisfaction. Uses lecture, o spring.

4383 INTERNSHIP IN MAN provide students academic upon completion of a minin Senior standing. On deman

4390 SPECIAL PROBLEMS I Students conduct a guided departmental recognition.

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The End-User/Internet Track is designed for MIS majors who wish to prepare for jobs working with non-technical managers and staff in an organization. Graduates from the End-User/Internet track typically help determine computer needs, provide training on existing or newly developed computer systems, staff help desks, create local systems and databases, and develop sites on the World Wide Web. Requirements for the End-User/Internet track are as follows:

Major in MIS, End-User/Internet Track (27 or 28 hours)

MIS 1370 or CSCI 1470: MIS 3328 or 3329, 3362, 3363, 3365, 3366, 4339, and 6 hours from WRTG 3310: MIS 3322, 3364, 4350, 4362, 4366, 4370.

## [3.2] Programmer/Analyst Track

The Programmer/Analyst Track is designed for MIS majors who wish to prepare for jobs working as system designers and system builders in a large organization. Graduates from the Programmer/Analyst track typically work with non-technical managers and staff along with computer scientists and technicians in designing and building large computer-based systems and corporate computer infrastructures. Requirements for the Programmer/Analyst track are as follows:

Major in MIS, Programmer/Analyst Track (27, 28 or 29 hours)

MIS 1370 or CSCI 1470; MIS 3301, 3328, 3362, 3363, 4329; and 9 hours from WRTG 3310, CSCI 1480, MIS 3322, 3365, 3366, 4301, 4339, 4350, 4362, 4366, 4370.

## [3.3] GIS/Spatial Systems Track

The GIS/Spatial Systems Track is designed for MIS majors who wish to prepare for jobs working with electronic mapping systems. These systems are used extensively by federal, state, and local government agencies. Utility companies which provide electric power, natural gas, water, sewer, cable, and telephone almost all use these systems. Many other employers are also interested in GIS/Spatial system technologies. Requirements for the GIS/Spatial Systems track are as follows:

Major in MIS, GIS/Spatial Systems Track (27 or 28 hours)

MIS 1370 or CSCI 1470; MIS 3328, 3362, 3363, (3365 or 4329), GEOG 3307, 3311, 4330; and 3 hours from WRTG 3310; MIS 3301, 3365 or 4329 (whichever course was not taken as a requirement), 3366, 4339, 4350, 4362.

## [3.4] Telecommunications & Computer Networks Track

The Telecommunications & Computer Networks Track is designed for MIS majors who wish to prepare for jobs in the telecommunications industry or as networking specialists. One focus of this track is computer networking which is widely used in almost all organizations today. This focus is blended with a focus on the telecommunications industry. Graduates will have studied traditional wireline technologies, wireless technologies, and computer networks of various types. Requirements for the Telecommunications & Computer Networks track are as follows:

Major in MIS, Telecommunications & Computer Networks Track (27, 28 or 29 hours)

MIS 1370 or CSCI 1470: MIS 3362 or CSCI 1480, 3328, 3363, (3365 or 4329), 3366, 4339, 4363, and CSCI 3335.

#### [3.5] Minor in Information Systems (21, 22 or 23 hours)

Minors in MIS cannot be business majors. Accordingly minors will lack exposure to the business foundation and core which supports a primary function of the major. The focus of the minor then shifts to developing computer programming and technical competence.

Students must apply to minor in management information systems. Students must hold a minimum overall GPA of 2.25 at the time of applying for a minor in MIS and earn a C or better in all MIS courses in the minor program of study.

Requirements: MIS 1370 or CSCI 1470, MIS 2343, 3301, 3328, 3362, (3365 or 4329) and 3 hours from the following: (MIS 3363, 4301, 4339, 4362, CSCI 1480).

#### [4] Courses in Management Information Systems (MIS)

Follow this link for MIS course descriptions: course link.

## [5] Courses in Quantitative Methods (QMTH)

Follow this link for QMTH course descriptions: course link.

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practiced. This course assumes a working knowledge of COBOL. Prerequisites: MIS 1370 or CSCI 1470, and minimum of C in MIS 3301. On demand.

4329 DATABASE MANAGEMENT SYSTEMS This course is required for majors in the programmer/analyst track and an elective option for the other track majors and minors. The instructor assumes a basic knowledge of computer programming, systems analysis and design, and a general knowledge of computer systems. The course introduces students to the basic concepts of database analysis, design, and implementation with emphasis on the relational database model. Concepts are applied using the ORACLE software package. The primary instruction method is lecture along with laboratory exercises and projects. Prerequisites: MIS 1370 or CSCI 1470, MIS 3328 or CSCI 3390, a knowledge of computer programming. Fall, spring.

4339 COMPUTER APPLICATIONS IN BUSINESS This course is required for majors in the end-user/internet track and the telecommunications & computer networks track. MIS 4339 is an elective option for majors in the other tracks and minors. In this course students examine current topics in business computer applications such as the JAVA programming language. Lecture and discussion are supplemented through applications of software packages and student-written programs. Prerequisites: MIS 1370 or CSCI 1470. Fall, spring.

4350 INFORMATION SYSTEMS TECHNOLOGY This course is an elective option for majors in all of the tracks except telecommunications & computer networks (that track has no general electives in the major). The intent of the course is to provide a capstone learning experience which uses and builds on concepts acquired in prerequisite courses. Primary modes of instruction include discussion and lecture with computer-based activities serving a supporting role. Class presentations and case studies are commonly a part of this class. Prerequisites: MIS 1370 or CSCI 1470; MIS 3321, MIS 3328 or 3329. On demand.

4362 SPECIAL TOPICS IN VISUAL BASIC.NET This course is an elective option for majors in all of the tracks, and minors (the telecommunications & computer networks track has no general electives in the major). The course provides students with the opportunity to go beyond the basics of VB.Net and learn tools and techniques useful to VB.Net programmers. The course builds on MIS 3362 to provide students exposure to accessing and updating a relational database, building Web applications, creating browser-based Help files, creating professional-looking reports and more. Prerequisites: C or better in MIS 3362. On demand.

4363 WIRELINE AND WIRELESS TELECOMMUNICATIONS This course is required for all Telecommunication & Computer Networks track majors. The course builds on MIS 3363 to provide an overall familiarity with the infrastructure of both wireline and wireless telecommunications systems. Telephone systems will be examined from a historical perspective, current status, and future expectations. Legislative actions that have impacted the telephone industry such as the breakup of AT&T, the Telecommunications Act of 1996 (which sets the framework for the current telephone system), and proposed legislative actions such as

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Special Education:

Instructional Specialist, Birth - 8 years Instructional Specialist, Grades 4 - 12

## [2.1.5] Master of Science

- Community Service Counseling
- Counseling Psychology
- · Library Media and Information Technologies
- School Counseling
- School Psychology
- Training System

### [2.1.6] Doctor of Philosophy

School Psychology

Graduate programs in teacher education are currently under review to ensure a curriculum reflecting exemplary practices and meeting new licensure requirements. For more information, contact the College of Education, 450-5401.

## [2.2] College of Fine Arts and Communications

Art P-8 and 7-12 Music: Instrumental and Vocal P-8 and 7-12

## [2.3] College of Health and Applied Sciences

Undergraduate:

Family and Consumer Sciences 7-12 Kinesiology/Physical Education/Health P-8 and 7-12

Graduate:

Speech Pathology

## [2.4] College of Liberal Arts

English 7-12 French P-8 & 7-12 Social Studies 7-12 Spanish P-8 & 7-12

## [2.5] College of Natural Sciences and Mathematics

Mathematics 7-12 Secondary Science Education 7-12 (tracks: Life/Earth Science, Physical/Earth Science)

## [2.6] Graduate School of Management, Leadership, and Administration

register for the interview in The Office of Candidate Services and Field Experience. Items A-G will be forwarded to the candidate's major academic department prior to the interview dates established by the department. Interview registration deadlines are listed below.

The Office of Candidate Services and Field Experience will observe the following deadlines for the application process. Candidates are encouraged to submit all requirements for admission prior to the established deadlines.

October 1	Final date for interview registration (H) for candidates seeking
	admission for the following semester (spring).
November 1	Final date for completion of items A-G for candidates seeking
	full admission the following semester (spring).
March 1	Final date interview registration (H) for candidates seeking
	admission for the following semester (summer or fall).
April 1	Final date for completion of items A-G for those candidates
	seeking full admission the following semester (summer or
	fall).
* July 1	Final date for interview registration (H) for candidates seeking
	admission for the following semester (fall).
* August 1	Final date for completion of items A-G for those candidates
	seeking full admission the following semester (fall).
* Summer interviews are offered at the	
discretion of the academic department.	

### [3.1.2] Level II Admission

Level II of the teacher education program consists of a one-semester full-time placement (Internship II) in an accredited and approved public school setting. During this time the candidate will be placed with a mentor teacher who is fully licensed in the candidate's major area of study. Candidates will be admitted into Level II of the teacher education program upon successful completion of the following:

- Minimum cumulative and major GPA of 2.5
- Acceptable scores on the summative evaluation of the Level I performance standards based upon the Teacher Performance Outcomes Assessment (TPOA) and supported by the professional portfolio and field assessments.
- Recommendation of major area faculty
- Successful completion of the Praxis II Subject Area Test(s)
- Completion of all major and professional education requirements with a grade of C or better

## [3.1.3] Level II Exit Requirements

- Minimum cumulative and major GPA of 2.5
- Acceptable scores on the summative evaluation of the Level II performance standards based upon the Teacher Performance Outcomes Assessment (TPOA) and supported by the professional portfolio
- Submission of scores on the Praxis II Principles of Learning and Teaching or subject-specific

#### pedagogy exam

· Completion of Internship II with a grade of C or better

### [3.2] Program Exit Requirements

- · Baccalaureate degree
- Minimum cumulative and major GPA of 2.5
- Successful completion of the Praxis II Principles of Pedagogy or subject-specific pedagogy exam

## [3.3]

#### [3.4] Retention in Teacher Education

Following acceptance to a teacher preparation program, a candidate's good standing will be reviewed before admission to Level II and upon completion of Level II and possibly revoked by program faculty if

- The candidate fails to exhibit responsible and professional behavior in all classes, field experiences, and interactions with peers and faculty, as judged by the program faculty, mentor teachers, and other school personnel.
- 2. The candidate violates the student code of conduct or criminal law.
- The candidate earns a grade less than C in any required lower or upper division course in the candidate's major.
- 4. The candidate's UCA GPA falls below 2.5.
- 5. The candidate fails to meet the required course or program prerequisites, especially for field-based teaching methods courses and internships.
- The candidate's knowledge, skills, and dispositions are judged by two or more faculty instructors and/or mentor teachers to be unsatisfactory.
- 7. The candidate does not complete an internship satisfactorily.

A formal review by the program faculty will occur before a candidate will be allowed to enroll in internships. The outcomes of this review will determine whether the candidate will be permitted to continue in the teacher preparation program. The review may result in a remediation plan rather than dismissal. Decisions to remove a candidate from the teacher education program will be made by the program faculty and forwarded by the Program Coordinator to the Department Chair, the Director of Field Experience, and the Assistant to the Dean in the College of Education.

#### [3.5] Retention in Field Experiences/Internship

A candidate may be removed from a field experience when any of the following occurs:

- The appropriate school authority states that the teacher education candidate's presence in the classroom is not in the best interest of the public school's students and/or requests that the teacher preparation candidate be removed.
- The joint decision of the appropriate Program Coordinator and Department Chair in consultation with the Director of Field Experience, Mentor Teacher, and University Supervisor states that the circumstances are such as to prevent the development and/or maintenance of a satisfactory learning environment.
- 3. The candidate exhibits unprofessional/unethical behavior.
- 4. A decision has been reached that the teacher education candidate cannot receive a satisfactory grade in a field experience course.

#### [3.6] Appeals of Admission and Retention Decisions

If the candidate so desires, he/she may submit a formal appeal of an admission or retention decision. In such a situation, a candidate can only initiate an appeal after seeking resolution with the program's department chair. An appeal must be based on exceptional and extenuating circumstances and other pertinent information not previously available or considered. A formal appeal must be submitted in writing to the Dean of the College of Education (COE) within five business days of being notified of admission or retention status. The COE Dean will transmit the appeal to the Standard 1 Standing Committee's decision. The candidate may appeal to the Provost, in writing, within five business days of the Dean's decision.

## [4] Courses in Education (EDUC)

Follow this link for EDUC course descriptions: course link.

# Undergraduate Bulletin - Courses in Education (EDUC)

## Document Number 3.02.01.01

## [1] Courses in Education (EDUC)

1220 EDUCATIONAL TECHNOLOGY A required course introducing computer applications for use in the classroom. Candidates develop competency in word processing, databases, spreadsheets, desktop publishing, presentation software, and web page utilization through laboratory activities. Fall, spring, summer.

learning environment, and in achieving professional behaviors. Prerequisites: Completion of Block I and II courses. Fall.

3360 SOCIAL PSYCHOLOGY Survey of theory and research on how people perceive, influence, and relate to others. Category III elective. Lecture. Prerequisite: PSYC 1300. Fall, spring, summer.

3370 SPORTS PSYCHOLOGY Study of the psychological factors that influence and are influenced by performance and participation in sports, exercise, and physical activity. Category IV elective. Lecture. Prerequisite: PSYC 1300. Spring, summer.

4300 THEORIES OF PERSONALITY Study of the major ideas of important personality theorists and their theoretical contributions to the science of personality. Category III elective. Lecture. Prerequisite: PSYC 1300. Fall, spring, summer.

4320 ABNORMAL PSYCHOLOGY Survey of behavior disorders, ranging from the mild to the severe. The etiology, treatment, and prognosis of the various maladaptive behavior patterns are examined. Category III elective. Lecture. Prerequisite: PSYC 1300. Fall, spring, summer.

4325 PHYSIOLOGICAL PSYCHOLOGY Techniques of investigation in physiological psychology. Structure and function of all nerves, muscles, and endocrine glands. Investigation of physiological basis for behavior. Category II elective. Lecture. Prerequisite: PSYC 1300. Fall, spring, summer.

4340 HISTORY AND SYSTEMS OF PSYCHOLOGY Study of philosophical and scientific antecedents of contemporary psychology. A required course for majors. Lecture. Prerequisite: Graduating senior psychology major. Fall, spring, summer.

4351 BEHAVIOR MODIFICATION The nature of a variety of behavior modification techniques which have proved useful in such diverse areas as mental retardation, abnormal behavior, education, and social behavior and their application to specific forms of behavior. Category IV elective. Lecture. Prerequisite: PSYC 3351. On demand.

4352 ADULT PSYCHOLOGY Survey of psychological aspects of the adult's role in contemporary society in relation to self-image, family, and vocation. A consideration of adulthood as developmental as applied to the physical, mental, emotional, and social being. Category III elective. Lecture. Prerequisite: PSYC 1300. On demand.

4353 PRACTICUM IN BEHAVIOR MODIFICATION Supervised, practical experience in behavior management programs. Category IV elective. Lecture. Prerequisites: PSYC 3351, 4351, and consent of instructor. On demand.

4380 INDEPENDENT READINGS IN PSYCHOLOGY Readings selected by the student under the direction of the major professor from special areas and topics of psychology. Category IV elective. Prerequisite: Consent of instructor and chair. On demand.

4382 INDEPENDENT RESEARCH IN PSYCHOLOGY Development of a research proposal and the execution of the study under the guidance of a faculty advisor. Category IV elective. Prerequisite: PSYC 3332, consent of instructor and chairperson. On demand.

4390 PSYCHOLOGICAL TESTS AND MEASUREMENTS Theory and construction of tests, with concern for test selection and use. Category IV elective. Lecture. Prerequisite: PSYC 2330. Summer, on demand.

Art (emphasis i Linguistics (mir Mass Communi Music Speech (empha Theatre Writing

# [4.2] Bachel

Studio Art (em sculpture)

## [4.3] Bachel

Performance Music Education

#### [4.4] Bachel

Mass Communi Speech (empha Theatre

## [4.5] Master

See Graduate

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CA Undergraduate Bulletin 2004 - 2006 Irsen, Mr. Massey, Dr. Seymour Ms. Parakala, Ms. Pinckley, Ms.

onThe Department of Art views

#### [3.1] The Core Curriculum

Core (required of BA in art with emphasis in studio art and art education and BFA in studio art): ART 1310, 1321, 2312, 2322, and 6 hours from 2325, 2335, and 2336.

Area Studies: (1) ART 3324; (2) 3 hours advanced art history; (3) 3 hours from Category A: 3361, 3379, 3000-level art history; (4) 3 hours from Category B: 3318, 3330, 3332, 3334, 3353, 3343; (5) 3 hours from category A or B or ART 3304; and (6) ART 2140, 3140, 4140 (4140 not required in BFA).

#### [3.2] Bachelor of Fine Arts

The degree of Bachelor of Fine Arts requires successful completion of 127 hours, including (1) general education component; (2) degree requirements (foreign language); and (3) 80 hours in art in an approved degree plan. A minor is not required. This degree may require more than the normal eight semesters to complete.

[3.2.1] Major in Studio Art (80 hours)

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contemporary art. Seminar. Prerequisites: Senior standing and 9 hours of art history. Fall.

4102, 4202, 4302\* DIRECTED STUDY Non-studio course in an art degree program emphasis for majors only. Advanced study and research beyond available courses. Seminar. Prerequisite: Written proposal and departmental approval semester prior to enrollment. Fall, spring. (\* NOTE: A maximum of 6 hours of variable credit courses in art may be applied to the BA degree, 12 hours to the BFA degree.)

4390 SPECIAL STUDIES Art honors course for majors only. Independent study for the exceptional student in research and/or studio art. Seminar. Prerequisite: Invitation of the art faculty. Fall, spring.

1300 and 1362; (4) a major as described below; and (5) a minor as arranged through the student's minor advisor.

[4.1.1] Digital Filmmaking (42 hours)

In addition to university requirements and the program core 6 hours, students will take MCOM 2366, 3356,

Undergraduate Bulletin - Courses in Mass CommunicationUnderg4o10.491 -0.454 ref472.748 5165iRtinDocument reef472.748 451.788 0.491 -0.454 r.4512.555

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to major contributions to cinema from several countries. Topics discussed include the origin of the movies, the acquisition of sound and color, the development of the studio system, as well as trends, movements, and influences. The course consists of lectures, readings, discussions and screenings. Lecture. Fall.

3351 CINEMA HISTORY 1945-PRESENT Fulfills film history requirement for mass communication majors with an emphasis in digital filmmaking. History of the motion picture from World War II to the present. Relevant events of this period are presented chronologically with screenings of representative films from each decade. The course in international in scope with attention paid to major contributions to cinema from several countries. Topics discussed include changes in the national studio systems and the role of independent producers, as well as trends, movements and influences. The course consists of lectures, readings, discussions, and screenings. Lecture. Spring.

3356 DIGITAL FILMMAKING I A required course for mass communication majors with an emphasis in Digital Filmmaking. Course provides students with higher-level aspects of the digital filmmaking process from both technical and narrative points of view. Specific skills learned include computer aided pre-production, exposure control, shot design, three-point lighting technique, digital audio recording, and professional level non-linear picture and sound editing. The focus throughout will be on the use of these skills in narrative story construction. Prerequisite MCOM 2366. Production. Fall, spring.

3363 AUDIO PRODUCTION An elective course for mass communication majors with an emphasis in television or digital filmmaking. Provides in-depth study and practice of advanced audio production techniques for video, film, dramatic presentations, music, and multi-media. Prerequisite: Consent of instructor. Lecture/Production. Fall.

3365 BROADCAST MANAGEMENT A required course for mass communication majors with an emphasis in television. The role of the manager in broadcast production, economics, advertising, and regulation. Prerequisite: MCOM 1362 or consent of instructor. Lecture. Spring.

3373 DOCUMENTARY PRODUCTION An elective course for mass communication majors with and emphasis in television and digital filmmaking. An advanced production class on documentary films and documentary filmmaking. Students will be exposed to a variety of documentary films encompassing different subjects and styles and will learn the production process used in the planning, execution and construction of short format encompactual of Hitgenapiate action frams thintskeiter placedwingso precedución for format



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## Undergraduate Bulletin - Music

## Document Number 3.03.04

Interim Chair and Assistant Professor: Dr. Ohlenbusch, 450-3163 Professors: Dr. Anthony, Dr. Collins, Dr. Lamar, Dr.Winter Associate Professors: Dr. Brooks, Dr. Brown, Mr. Erwin, Dr. Holden, Dr. Hsu, Dr. Oeste, Dr. Rutman Assistant Professors: Dr. Bird, Dr. Burkett, Dr. Dahlenburg, Dr. P. Dickinson, Mr. Helm, Mr. Jones, Dr. Tyson, Dr. Young Lecturers: Ms. Antolik, Dr. Duso, Dr. Feldman, Ms. Iinuma, Mr. Shires Instructor: Ms. Bryant, Mr. Yeh Part-time: Ms. Banister, Dr. S. Dickinson, Ms. Donahue, Ms. Franklin, Mr. Gillham, Ms. Hanna, Mr. Hatch, Ms. Shires, Ms. Stanley

### [1] Mission

The human spirit is enlightened and elevated through the creation, presentation and transmission of our common musical culture. To this goal, and in consonance with the mission of the University and of the College of Fine Arts and Communication, the Department of Music prepares tomorrow's performers, music teachers, businessmen and technologists in and through the discipline of music, and brings performances of national prominence to Arkansas and the region. The Department of Music also provides music education experiences for children of ages 1-17, opportunities for university students from all disciplines to enrich their own general educations by taking courses in music and performing in ensembles, and service and outreach to Arkansas public schools.

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www.uca.edu/ubulletin Professor: Mr. Wright Associate Professors: Assistant Professors: Dr. S. Vanderslice,9Dr. Vand Visiting Assistant Ms. All Lecturers:

Radiography Speech-Language Pathology

#### [3.3] Bachelor of Science in Education

Family and Consumer Sciences Education Kinesiology and Physical Education

## [3.4] Bachelor of Science in Nursing

#### [3.5] Master of Science

Health Education Family and Consumer Sciences: nutrition/dietetics, clothing, textiles and fashion Kinesiology: exercise science, pedagogy, sport leadership Occupational Therapy (entry-level and advanced) Physical Therapy (advanced) Speech-Language Pathology

## [3.6] Master of Science in Nursing

(including advanced nursing practice and nurse educator)

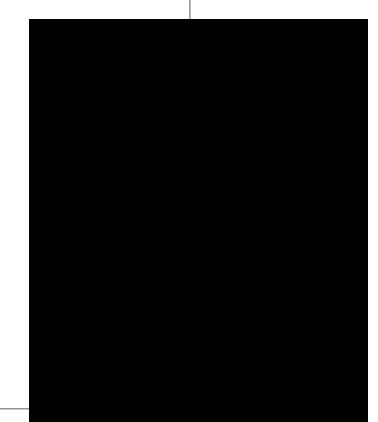
## [3.7] Doctoral Degrees

Doctor of Physical Therapy (DPT) (entry-level and advanced) Doctor of Philosophy in Physical Therapy (PhD)

### [3.8] Non-Degree Programs

Pre-Cardio Respiratory Care Pre-Dental Hygiene Military Science

Addiction Studies Certificate



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n Family and Consumer Sciences (FACS) - Nutrition and Food

specialization areas. The course is an internship experience in family and consumer sciences under professional and educational supervision. Internship. Prerequisite: Senior standing and consent of department chair. Fall, spring, summer.

4130, 4230, 4330 WORKSHOP An elective course for any specialization area in FACS. Workshops are planned and conducted to cover varying areas of interests and needs. Prerequisite: Senior standing. On demand.

# Undergraduate Bulletin - Health Sciences

## Document Number 3.04.03

Chair and Professor: Dr. Fox, 450-3194 Professors: Dr. Hubbard, Dr. Elphingstone Associate Professors: Dr. Lewers, Dr. Pierce, Dr. Rainey Assistant Professor: Dr. Taylor

## [1] Purposes

The basic aims of the Department of Health Sciences are to (1) contribute to the general health promotion and education of all students and (2) provide advisement/counseling, comprehensive professional preparation, and foundation courses designed to prepare students for careers as health-care professionals, health educators, health promotion directors, and coordinators in private or community settings.

## [2] Baccalaureate Degrees

## [2.1] Bachelor of Science in Community Health

The Bachelor of Science degree with a major in community health education requires successful completion of 124 hours, including (1) the general education component, (2) degree requirements, and (3) major courses as listed below.

Note: Admission to the Bachelor of Science degree program, with a major in community health education, requires an overall GPA of 2.3 (on a 4.0 scale). However, enrollment in health sciences internship (HSCI 4600) requires an overall GPA of 2.5.

[2.1.1] Major in Health Education

Health Education Requirements: (36 hours): H ED 3300, 3301, 3320, 4300, 4331, 4370, 4600; 12 hours to be selected from the following and approved by the major advisor: H ED 2201, 2320, 3305, 3315, 4301, 4302, 4303, 4312, 4343.

Related Requirements (11 hours): BIOL 2405, 2411; Statistics (QMTH 2330, SOC 2321, or PSYC 2320).

[2.1.2] Emphasis in Prevention

Health Education Requirements (34 hours): H ED 3120, 3300, 3301, 3315, 3320, 4300, 4301 or 4302, 4312, 4332, 4600; 6 hours from the following: H ED 2320, 3305, 4301 or 4302, 4343, 4370.

Related Requirements (11 hours): BIOL 2405, 2411, MKTG 4360 or 4361.

[2.1.3] Health Occupations Option

Health Education Requirements (31 hours): H ED 3300, 3305; H SC, 4210, 4600; 12 hours to be approved by major advisor.

Related Requirements (17 hours): BIOL 2405, 2411, and 9 hours selected with consent of advisor.

[2.1.4] Minor in Health Education

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This minor is coupled with the P-8, 7-12 Bachelor of Science kinesiology and physical education major. For more information, contact the chair of the Department of Health Sciences (450-3194) or of the Department of Kinesiology and Physical Education (450-3148).

Health Education Requirements (23 hours): H ED 2201, 2320, 3300, 3301, 3305, 4303, 4312, 4331.

Related Requirements (8 hours): BIOL 2405, 2411.

### [2.2] Bachelor of Science in Education

This program of study is no longer available. See the BSE degree with a KPED major and HED minor.

#### [2.3] Bachelor of Science in Health Sciences

Degree requirements include successful completion of a minimum of 124 hours, including (1) the general education component, (2) degree requirements, (3) the health sciences core, and (3) one of the emphases in health sciences. Because of the number of hours included in the health science major, no minor is required.

Health Science Core (15 hours): BIOL 2405 or 2406 or 2407, CHEM 1550 or 1442, PHYS 1405, and Statistics (SOC 2321 or PSYC 2330 or MATH 2311).

[2.3.1] Gerontology Emphasis

Degree Requirements (30 hours): H ED 2310, 4310, 4390, 4600; PSYC 3360, 4352; SOC 3381, 4331, 4334.

Related Requirements (23 hours): MIS 2343 (formerly INFO 2343); CHEM 1402; BIOL 4351; H SC 3123; H ED 3320, 4331, 4343, 4370.

Electives (15 hours): PHIL 1320, 4350,

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Activity Courses (KPED)

• Courses in Kinesiology and Physical Education (KPED)

Undergraduate Bulletin - BSE, Kinesiology and Physical Education

6. Praxis II Tests: Health and Physical Education Content Knowledge (test # 0856) with a minimum score of 144 and Physical Education: Movement Forms - Analysis and Design (test # 0092) with a minimum score of 150. Deadlines for submission are listed below.

#### [1.2.3] Deadlines to Complete Departmental Requirements for the BSE

November 1	Final date for submission of developmental portfolio for teacher candidates seeking admission to the PETE program during the following spring; and final date for submission the showcase portfolio for students seeking to graduate in December.

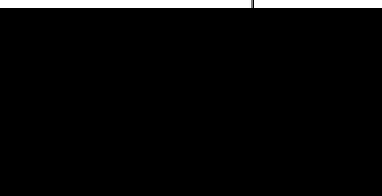
developmental portfolio; for submission deadlines see below).

- 8. Successful completion of the fitness test (see BS fitness link for further information regarding the test; for testing deadlines see below).
- 9. Completion of a writing sample. Students must contact the UCA Writing Center to complete the writing sample, which will be forwarded to the Chair of the Kinesiology and Physical Education Department. The student's major area faculty will assess the writing sample. At the discretion of the major area faculty, a student may submit a second writing sample for assessment. For writing sample submission deadlines see below.
- 10. Student interview by major area faculty with recommendation for admission. Students will register for the interview in the Kinesiology and Physical Education Departmental Office located in Farris Center Room 102. Items A-I will be forwarded to two major area faculty prior to the interview dates established by the department. Interview registration deadlines are listed below.

#### [1.3] Deadlines for Completion of Departmental Requirements

The Department of Kinesiology and Physical Education will observe the following deadlines for the application process. Students are encouraged to submit all requirements for admission prior to the established deadlines.

October 1	Final date for submission of the writing sample and interview registration for students seeking admission for the following spring semester.
November 1	Final date for completion of items A-G (from the list of admission requirements) for students seeking full admission to the KPE program the following spring; and final date for submission of the showcase portfolio for students seeking to graduate in December.
December 2	Final date for the successful completion of the fitness test and developmental portfolio for students seeking admission to the KPE program for the following spring; and final date for successful completion of the showcase portfolio for students seeking to graduate in December.
December 10	Final date for the completion of the program exit survey and exit interview for students seeking to graduate in December; and final date for submission of Praxis II test scores for students seeking to graduate in May.
February 15	Final date for submission of the writing sample and interview registration for students seeking admission for the summer or fall semester.
March 15	Final date for completion of items A-G (from the list of admission requirements) for students seeking full admission to the KPE program (summer or fall), final date for submission of the developmental portfolio for students seeking admission to KPE Program (summer or fall); and final date for submission of the showcase portfolio for students seeking to graduate in May.
April 15	Final date for the successful completion of the fitness test and successful completion of the developmental portfolio for students seeking admission to KPE Program (summer or fall); and final date for completion of the showcase portfolio for students seeking to graduate in May.
May 1	Final date for the completion of the program exit survey and exit interview for students seeking to graduate in May; and final date for submission of Praxis II test scores for students seeking to graduate in December.
* June 15	Final date for completion of items A-G (from the list of admission requirements) for students seeking full admission to the KPE program for August. Final date for submission of the developmental portfolio for students seeking admission to KPE Program in fall; and final date for submission of the showcase portfolio for students seeking to graduate in August.



following courses: KPED 2353, 3301 3327, 3335, 3345, 4301, and 4327.

#### [1.6] Admission to the Athletic Training Education Program

All students are subject to the same admission procedures and standards. Entry into the program is by application and competitive admission only. Applications may be obtained by contacting the Program Director or downloading the application from the athletic training education web page at www.edu/divisions/academic/kped/index2.html. Applications are due in the program office by October 15 for consideration for admission the following spring semester. The athletic training education admissions committee reviews all applications. Applicants will be notified in writing of their status. Students who have not completed prerequisite courses may apply for admission; however, completion of prerequisites is required prior to formal admission into the program. One class is admitted each year. Admission to the ATEP is selective and limited to ensure than an appropriate student to clinical instructor ratio (approximately 8:1) is maintained. Thus, the number of students admitted varies from year to year. Students are advised that their acceptance into this program is not an assumed right. Applicants who believe they have been treated differently from other candidates in admissions decisions are to contact the Chair of the Department of Kinesiology and Physical Education for information about the appeals process. All appeals begin at the departmental level. Students who are not accepted into the program may reapply the following year. Should a student decide not to reapply for admission, the Program Director will help identify alternative academic programs.

#### [1.6.1] Prerequisites

Students must meet the following minimum prerequisites for admission to the ATEP:

- Completion of a minimum of thirty credit hours with a cumulative grade point average of 2.5 or better on a 4.0 scale;
- 2. Completion of all KPED courses with a grade of C or better;

teaches students how to properly use walking/jogging as a means of developing and maintaining cardiovascular fitness throughout life. Activity and lecture. On demand.

1291 PRINCIPLES OF LIFETIME FITNESS An elective kinesiology and physical education course. This course stresses physical activities as a means of developing and maintaining physical fitness throughout life and introduces students to a variety of lifetime physical activities while encouraging the development of physical fitness as part of the class. Activity and lecture. On demand.

## [1.3] Aquatics

1110 BEGINNING SWIMMING An elective kinesiology and physical education course. Basic water adjustment skills, swimming strokes, and safety skills according to the American Red Cross beginner- and advanced beginner-level program. Activity and lecture. On demand.

1111 ADVANCED SWIMMING I: LIFEGUARDING An elective kinesiology and physical education course. This course is the study and practice of lifesaving techniques, knowledge, and skills preparing students for lifeguarding certification by the American Red Cross. Prerequisite: Students must possess swimmer-level skills (i.e., swim 500 yards using required strokes, tread water without use of arms for two minutes, and retrieve 10 pound object from 7 feet of water). Activity and lecture. On demand.

1112 INTERMEDIATE SWIMMING An elective kinesiology and physical education course. This course introduces students to swimming strokes and safety skills according to the American Red Cross intermediate-level program. Activity and lecture. On demand.

3100 ADVANCED SWIMMING II: WATER SAFETY INSTRUCTOR An elective kinesiology and physical education course. This course provides experiences in perfecting and teaching water skills to meet requirements for American Red Cross instructor certification. Prerequisite: Students must posses swimmer-level skills. Activity and lecture. On demand.

#### [1.4] Outdoor Leisure Pursuits

1126 BEGINNING ARCHERY An elective kinesiology and physical education course. This course introduces students to the basic skills and techniques of target shooting. Activity and lecture. On demand.

1129 ORIENTEERING An elective kinesiology and physical education course. This course introduces students to outdoor skills that increase awareness of the physical environment and physical fitness. Activity and lecture. On demand.

1130 BASIC CANOEING An elective kinesiology and physical education course. This course introduces students to the basic skills and knowledge of canoeing including safety procedures and recreational aspects. Activity and lecture. On demand. (Note: An additional fee will be charged to cover equipment rental and maintenance.)

1180 MARKSMANSHIP AND HUNTER SAFETY An elective kinesiology and physical education course. This course introduces students to marksmanship techniques and safety procedures used in the proper handling of guns. Activity and lecture. On demand.

#### [1.5] Sports and Games

1121 BEGINNING TENNIS An elective kinesiology and physical education course. This course introduces students to the basic strokes, history, rules, and strategy of the game. Activity and lecture. On demand.

1122 BEGINNING GOLF An elective kinesiology and physical education course. This course introduces

students to the basic strokes, rules, history, and strategy of the game. Activity and lecture. On demand. (Note: Bowling and golf classes are held at commercial establishments; a participation fee based on current prices will be charged.)

1123 BOWLING An elective kinesiology and physical education course. This course introduces students to basic skills and techniques, rules, and scoring of the game. Activity and lecture. On demand. (Bowling and golf classes are held at commercial establishments; a participation fee based on current prices will be charged.)

1124 BEGINNING VOLLEYBALL An elective kinesiology and physical education course. This course provides students the opportunity to learn the basic skills and terminology of volleyball. Activity and lecture. On demand.

1127 BEGINNING BADMINTON An elective kinesiology and physical education course. This course introduces students to the basic skills, techniques, and strategies of the game. Activity and lecture. On demand.

1128 BEGINNING GYMNASTICS: WOMEN An elective kinesiology and physical education course. This course introduces students to the basic skills and techniques of tumbling, balance beam, vaulting, and uneven bars. Activity and lecture. On demand.

1173 BEGINNING GYMNASTICS: MEN An elective kinesiology and physical education course. This course introduces students to the basic skills and techniques of tumbling, rings, vaulting, and parallel bars. Activity and lecture. On demand.

1181 RACQUETBALL An elective kinesiology and physical education course. This course introduces students to the basic skills, rules, and strategies of the game. Activity and lecture. On demand.

1191, 1192, 1193, 1194 ADAPTED PHYSICAL EDUCATION ACTIVITIES An elective kinesiology and physical education course designed for students with special needs. This course provides an individualized exercise prescription designed to enhance students' physical capabilities. May be repeated up to four times. Activity and lecture. Prerequisite: Consent of Instructor and written clearance by physician's authorization.

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course emphasizes the history, skills, and techniques of square dancing and the techniques of calling square dance as well as instruction and practice in the techniques of teaching dance in educational, commercial, and recreational settings. Lecture, activity, micro teaches, and a required 10-hour field experience scheduled outside of class meeting times. Prerequisite: Major status or consent of instructor. On demand.

2229 TEACHING BALLROOM DANCE An elective course for kinesiology and physical education majors. This course covers the courtesies, techniques, and skills involved in ballroom dance as well as instruction and practice in the techniques of teaching dance in educational, commercial, and recreational settings. Lecture, activity, micro teaches, and a required 10-hour field experience scheduled outside of class meeting times. Prerequisite: Major status or consent of instructor. On demand.

2250 INTRODUCTION TO DANCE AND RHYTHMICAL ACTIVITIES A required course for kinesiology and physical education majors. This course provides students with a basic knowledge of several dance genres and rhythmical activities as well as instruction and practice in the techniques of teaching dance in educational, commercial, and recreational settings. Lecture, activity, cooperative learning, micro teaches, and a required 10-hour field experience scheduled outside of class meeting times. Prerequisite: Major status or consent of instructor. Fall.

2300 PRINCIPLES OF KINESIOLOGY AND PHYSICAL EDUCATION A core course for kinesiology and physical education majors and athletic training majors. This course provides an overview of physical education, exercise science, and athletic training and an examination of historical, biological, psychological, sociological, and curricular foundations impacting the discipline. Lecture, activity, and required professional activities scheduled outside of class meeting times. Prerequisites: Sophomore classification and major status or consent of instructor. Fall, spring.

2322 RECREATION LEADERSHIP An elective course for kinesiology and physical education majors. This course introduces students to the skills and techniques needed to conduct a variety of school and community recreation activities. Lecture, cooperative learning, and a required 10-hour field experience scheduled outside of class meeting times. Prerequisite: Major status or consent of instructor. On demand.

2340 MOTOR DEVELOPMENT AND LEARNING A required course for kinesiology and physical education majors. This course emphasizes a lifespan approach to the study of motor development and motor learning. The motor development portion of the course emphasizes theories and task analysis focused on motor skill acquisition. The motor learning and behavior section covers the processes underlying skilled performance, including how skill performances are learned and how to apply the principles of performance and learning in teaching, coaching, and rehabilitation settings. Lecture, laboratory, use of specialized computer software, videotapes, student presentations, and a required 10-hour field experience scheduled outside of class meeting times. Prerequisites: Admission to PETE or KPED program or consent of instructor, Co-requisite KPED 330. Fall.

2353 PREVENTION, RECOGNITION AND CARE OF GENERAL MEDICAL PATHOLOGY A required course for athletic training majors, this course is designed for athletic training students to gain knowledge and experience in managing a variety of medical conditions and disabilities. Students will be introduced to the roles that other medical and allied health personnel play in the referral, management, and treatment of athletes and physically active people. Students will learn the importance of a systematic and thorough assessment process in the management of pathology and disabilities in athletes. Lecture, guest lecture, discussion, laboratory, and required field study experience. Prerequisites: Admission to the athletic training educationITION ANDsusion, laboratory, and required field study at T\* 0.en aczelduisiteCquirequ2iredreqd physicabt rEbrz**š**raining

assessment, treatment and rehabilitation techniques used in caring for physically active patients. Lecture, discussion, laboratory, and required field study experiences. Prerequisites: KPED 2353 with a grade of B or better. Pre- or co-requisite: KPED 3382 with a grade of C or better. Fall.

3315 SPORTS OFFICIATING An elective course for kinesiology and physical education majors and students seeking a coaching endorsement. This course examines the basic elements of sports officiating including interpretations of rules and regulations and provides students with opportunities to fulfill the role of officials in a variety of sports. Lecture, activity, simulations, and a required 15-hour officiating practicum scheduled outside of class meeting times. Prerequisite: Major status or consent of instructor. On demand.

3316 CURRICULUM A required course for kinesiology and physical education majors. This course is designed to familiarize students with basic curricular theories, models, trends, and issues and the relationship between curriculum and instructional strategies. Lecture, discussion, student presentations, professional portfolios, use of e-mail and internet, and required field experiences. Prerequisites: Admission to PETE or KPED programs; junior classification; and major status or consent of instructor. Spring.

3320 DEVELOPMENTALLY APPROPRIATE MOTOR SKILLS AND FITNESS ACTIVITIES FOR P-4 LEARNERS A required course for P-4 childhood education majors and taken as part of the academic content block during the junior year. The course emphasizes the development of skills, knowledge, disposition and strategies in activities appropriate for P-4 elementary physical education programs. Lecture, cooperative learning, peer micro teaches, and a required field experience including observation, participation and teaching in elementary physical education under the direct supervision of an elementary physical education specialist. Prerequisites: Admission to teacher education; KPED 1320, ECSE 3400, and EDUC 3309. On demand.

3327 ATHLETIC TRAINING CLINICAL EXPERIENCES II A required course for athletic training majors, this course provides students with knowledge of the care, treatment and rehabilitation of injuries occurring to the upper extremities. Athletic training students will assess and recognize acute, as well as, overuse conditions in the upper extremity. Students will practice many contemporary assessment, treatment and rehabilitation techniques used in caring for physically active patients. Lecture, discussion, laboratory, and required field study experiences. Prerequisite: KPED 3301 with a grade of B or better, KPED 3354 with a C orbetter. Spring.

3330 PHYSICAL EDUCATION FOR ELEMENTARY GRADES A required course for kinesiology and physical education majors. This course helps students develop their knowledge and understanding of the planning, organization, and instructional styles included in physical education at the early childhood and elementary school level. Lecture, cooperative learning, peer micro teaches, and a required 15-hour field experience including observation, participation, and teaching in elementary physical education under the direct supervision of an elementary physical education specialist. Field experience is scheduled outside of class meeting times. Prerequisites: Admission to PETE or KPED program, junior classification; and major status or consent of instructor. Co-requisite KPED 2340. Fall.

3331 CARE AND PREVENTION OF EXERCISE AND SPORT INJURIES A required for kinesiology and physical education majors and students seeking a coaching endorsement. This course introduces students to the broad discipline of caring for exercise and sports injuries. Key topics of study include anatomy, evaluation, treatment, rehabilitation techniques, emergency procedures and liability issues in athletics and activity. Lecture, discussion, and laboratory. Laboratory sessions will introduce various wrapping and strapping techniques in addition to basic rehabilitation procedures. Prerequisite: KPED 2381 or BIO 2405 or 2406 with a grade of C or better. On demand.

3335 THERAPEUTIC EXERCISE A required course for athletic training majors, this course is designed for Leics odurierstticeethodass

Development and Assessment Course, recognize leader responsibility to accommodate subordinate spiritual needs, and apply principles and techniques of effective written and oral communication. Laboratories include planning and executing tactical missions in a field environment, day and night land navigation, intensive physical training, and leadership evaluation. Prerequisite: MSL 3301. Spring.

4301 LEADERSHIP AND MANAGEMENT Part of the advanced course program and required of all students pursuing a commission in the US Army. The course builds on Leadership Development and Assessment Course experience to solve organizational and staff problems. Students discuss staff organization, functions, and processes, analyze counseling responsibilities and methods, examine principles of subordinate motivation and organizational change, and apply leadership and problem-solving principles to a complex principles and techniques of effective written and oral communication. Laboratories include planning and executing tactical missions in a field environment, day and night land navigation, intensive physical training, and leadership evaluation. Prerequisite: MSL 3301. Spring.

4301 LEADERSHIP AND MANAGEMENT Part of the advanced course program and required of all students pursuing a commission in the US Army. The course builds on National Advanced Leadership Camp experience to solve organizational and staff problems. Students discuss staff organization, functions, and processes, analyze counseling responsibilities and methods, examine principles of subordinate motivation and organizational change, and apply leadership and problem-solving principles to a complex case study/simulation. Laboratories include mission planning, small unit tactics, and reporting. Prerequisite: MSL 3302. Fall.

4302 OFFICERSHIP Part of the advanced course program and required of all students pursuing a commission in the US Army. Capstone course designed to explore topics relevant to second lieutenants entering the Army. Students describe legal aspects of decision making and leadership, analyze Army organization for operations from the tactical to strategic level, assess administrative and logistics management functions, discuss reporting and permanent change of station (PCS) process, perform platoon leader actions, and examine leader responsibilities that foster an ethical command climate. Laboratories include land navigation and small unit tactics. Prerequisite: MSL 4301 or instructor approval. Spring.

# Undergraduate Bulletin - Nuclear Medicine Technology

## Document Number 3.04.07

Advisor: Ms. Melanie Dobbins, 450-5541

## [1] The Profession

The nuclear medicine technologist (NMT) is a highly skilled professional who utilizes radioactive materials to image the function of different organs, analyze biologic specimens, and treat certain diseases. The responsibilities of the NMT are varied and can include radiation safety, quality control, radiopharmaceutical preparation and administration, the performance of diagnostic imaging procedures on patients, and computer acquisition and analysis of data. The NMT works closely with nuclear medicine physicians, radiologists, and referring patient physicians in order to ensure that each patient receives the highest quality study possible.

The program is accredited by the Committee on Allied Health Education and Accreditation (CAHEA) of the American Medical Association (AMA) in collaboration with the Joint Review Committee on Educational Programs in Nuclear Medicine Technology.

## [2] Baccalaureate Degree Program Requirements

The Department of Health Sciences in cooperation with the Health Education Division of Baptist Medical Center (BMC) offers a Bachelor of Science degree with a major in nuclear medicine. The degree requirements consist of 3 years and 77 hours of course work at UCA and 47 hours taken over 12 months at BMC. In order to receive credit toward a degree from UCA, the student must apply, be admitted to UCA, and complete the prerequisite course work prior to selective admission into the clinical curriculum at BMC. Students may transfer into the nuclear medicine program, but they must complete a minimum of 30 hours of on-campus course work at the University of Central Arkansas prior to selective admission into the clinical curriculum at BMC. Admission and acceptance into the clinical curriculum at BMC is on a competitive basis. Students applying to the clinical phase must have a cumulative GPA of 2.5 in all undergraduate course work to be considered eligible for the clinical phase of the nuclear medicine program at BMC. The application deadline for the clinical phase of the nuclear medicine should be directed to BMC. All questions regarding prerequisite course work should be directed to the UCA nuclear medicine advisor.

[2.1] Prerequisite Curriculum at UCA (77 hours)

General education requirements.

Other required courses: CHEM 1450, 1451, 2401; MATH 1390; BIOL 1440, 2405; CSCI 1300 or MIS 2343; PHYS 1410, 1420; Statistics (MATH 2311 or PSYC 2330 or SOC 2321 or ECON 2330).

Elective approved by advisor: 4 hours.

[2.2] Professional Curriculum at BMC (47 hours)

NMT 4210, 4410, 4510, 4415, 4420, 4425, 4325, 4435, 4430, 4315, 4320, 4330, 4215, 4220. Note: Baptist School of Allied Health requires all prerequisites to be complete prior to the program start date. All but one course must be in progress at the time of application to BMC.

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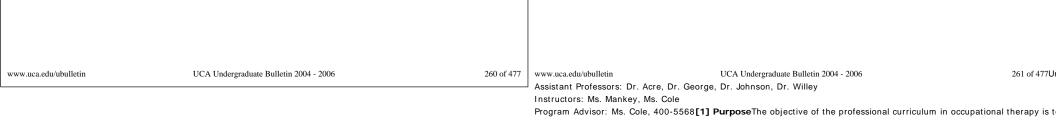
Undergraduate Bulletin - Courses in Nursing

Document Number 3.04.08.01

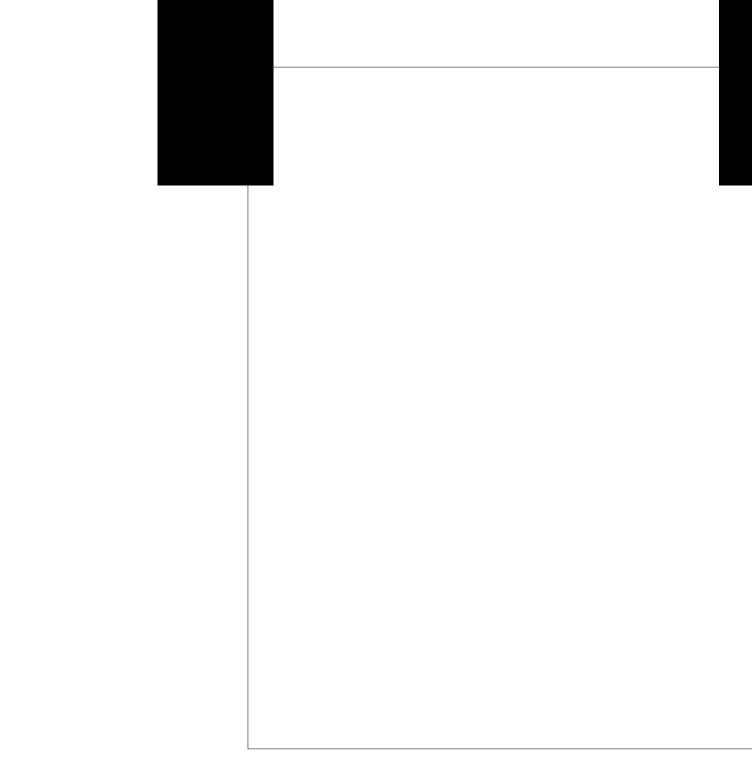
[1] Courses in Nursing (NURS)

populations. The course is concerned with both wellness and illness in providing and facilitating the delivery of direct and indirect health-care services. Prerequisites: Completion of all 3000-level required nursing courses and NURS 4213. Spring.

4515 Leadership and Resources Management in Nursing This theory/laboratory/clinical course examines nursing leadership and management. The course provides innovative and practical opportunities to influence the delivery of health care and the development of health-care policy to meet the unique challenges of today's health-care environment. Prerequisites: Completion of all 3000-level required nursing courses and NURS 4213. Spring.



on campus, plus six months of full-time fieldwork. During this time, students are engaged in both classroom work and fieldwork experiences (minimum 80 hours in each of four semesters) at facilities in Arkansas and contiguous states. Following on-campus study, students are assifd



2224 RADIOGRAPHIC PROCEDURES II Continuation of RADG 2213.

2231 PRINCIPLES OF RADIOGRAPHIC EXPOSURE II Continuation of RADG 2223.

2232 RADIOGRAPHIC PROCEDURES III Continuation of RADG 2224.

# Undergraduate Bulletin - Speech-Language Pathology

# Document Number 3.04.12

Chair and Professor: Dr. John Lowe III, 450-3176 Professors: Dr. Logan, Dr. McNiece Associate Professors: Dr. Moss-Logan, Mr. Thurman Assistant Professor: Dr. McCullough, Dr. B. Ross, Dr. Ruark, Dr. Smiley, Dr. Lance Instructors: Ms. Edwards, Ms. Moore, Ms. McDaniel, Ms. S. Ross

#### [1] Description

Definition. Speech-language pathology is the health-care profession involved in preventing, evaluating, and treating speech, language, and swallowing disorders in individuals of all ages. Speech-language pathologists hold either a master's or doctoral degree and have earned the Certificate of Clinical Competence (CCC) from the American Speech-Language-Hearing Association (ASHA), the national professional, scientific, and accrediting organization. Speech-language pathologists work in a wide variety of settings such as public and private schools, hospitals, clinics, health departments, rehabilitation centers, and private practice.

Purposes. The undergraduate program in speech-language pathology provides the academic background necessary for professional education in speech-language pathology or audiology at the graduate level. The master's degree is the entry level for those who plan to pursue careers as speech-language pathologists in schools, hospitals, community centers, university clinics, and other professional settings. The undergraduate program provides basic content courses relating to the processes of speech, language, and hearing, with introductory courses in the disorders of human communication.

Clinical Practicum. The department maintains an on-campus Speech-Language-Hearing Center where student clinicians, under the supervision of faculty who are licensed in speech-language pathology or audiology, complete clinical observations.

## [2] Honors in Speech-Language Pathology

Upon completion of 72 hours (with 12 hours in the major), a student may be invited by the faculty of the speech-language pathology department to pursue departmental honors. To be eligible for departmental honors, a student must have a minimum 3.25 overall GPA and a 3.4 in the major. After working with a faculty mentor and completing SPTH 4350 Honors in Speech-Language Pathology, students must submit written evidence of a research paper or project and make a formal presentation to the faculty and students.

#### [3] Admission and Retention

All students declaring a speech-language pathology major are accepted as tentative candidates to the undergraduate program. Enrollment in SPTH 2300 Introduction to Clinical Speech, SPTH 2322 Applied Phonetics, SPTH 2302 Basic Sign Language, SPTH 4305 Intermediate Sign Language, and SPTH 4310 Assistive Technology is open to all students. All other courses in speech-language pathology require formal admission to the program. Students apply for fall admission to the undergraduate program during the spring or summer prior to beginning the fall semester of their junior year.

Based on academic and personal qualifications of the applicant, admission to the BS program in speech-language pathology is granted without regard to race, color, creed, or national origin. Admission to the program is competitive and selective. To be admitted and matriculate, a student must meet the

#### following minimum requirements:

- 1. Junior status with an overall undergraduate grade point average of 2.7.
- 2. A major grade point average of 3.0.
- 3. A formal interview with the admissions committee.
- 4. Three references from outside the department.
- 5. Maintain a minimum overall grade point average of 2.7.
- 6. Maintain a minimum major grade point average of 3.0.
- 7. Observe the fundamental rules of ethical conduct as described in the Code of Ethics of the American Speech-Language-Hearing Association.
- 8. A less than minimum GPA must be raised to the stated minimum before continuing in the program. If the major GPA falls below the minimum, those major courses that resulted in a lower GPA must be retaken before enrolling in any new major courses.
- Display and maintain satisfactory non-academic criteria that are important to function in the discipline of Communication Sciences and Disorders. Consequently, students are required to meet the following criteria:
  - Oral communication abilities adequate to function in the discipline of Communication Sciences and Disorders. The program adheres to ASHA's position statement, "Students and Professionals Who Speak English with Accents and Nonstandard Dialects."
  - 2. Auditory ability adequate for assessing speech-language problems and providing treatment.
  - Interpersonal behaviors that are consistent with appropriate clinical skills and professional standards.

Assessment of non-academic requirements involves the professional judgments of faculty and administrators. It is crucial that client and patient rights to appropriate speech and language services be protected. It is the University's responsibility to protect both students and the clients they serve. The UCA Speech and Hearing Center faculty deals with these issues through regular reviews of student progress during faculty meetings. Potential problems are raised as soon as possible with the student, remediation procedures are suggested, and the student is given time to respond. On rare occasion, it is necessary to counsel students out of the program for non-academic reasons. Before arriving at such a decision, there is extensive discussion, clear feedback to the student regarding the problems, and agreement among faculty as to the course of action. The intention of this policy is to give students a fair opportunity to succeed.

After being admitted to the program in Speech-Language Pathology, failure to make a minimum grade of C in any required speech-language pathology course will result in dismissal from the program. A student may apply for readmission; however, readmission is not automatic nor guaranteed and will be contingent upon both program and individual factors.

### [4] Baccalaureate Degree: Bachelor of Science

The degree of Bachelor of Science, with a major in speech-language pathology, requires completion of (1)

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including study of and practical experience in administration of tests applicable to these disorders. Lecture, discussion, and in-class laboratory practice. Prerequisite: Program admission. Spring.

4335 Clinical Methods for Language Disorders Required. Methods in assessment and intervention of communication skills with young children (birth-5 years) exhibiting specific language impairment or developmental disabilities. Prerequisites: Program admission, SPTH 3320 or consent of instructor. Fall.

4230 Fluency and Fluency Disorders Required. A study of the development of fluent speech and the assessment and treatment of fluency disorders such as stuttering and cluttering. Prerequisite: Program admission. Spring.

4301 ARTICULATION AND PHONOLOGICAL DISORDERS (formerly SPTH 3301 Articulation Disorders) Required. A study of etiology, evaluation, and therapy for children and adults having articulation/phonological defects. Lecture and discussion. Prerequisites: Program admission, SPTH 3300. Fall.

4303 INTERMEDIATE SIGN LANGUAGE Elective. An intermediate study of various sign language methods with emphasis on increasing expressive and receptive sign language skills. Lecture, discussion, and

# ociology Cultures **[3] Undergraduate Scholars Pro**

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MSIT 4325 Literacy Development in the Content Areas MSIT 4320 Integrated Curriculum, Planning, and Assessment EDUC 3309 Families, Schools, and Community Partners EDUC 3320 Introductory Strategies for Students with Diverse Learning Needs

[4] Master's Degree

See Graduate Bulletin.

[5] Courses in English (ENGL)

Follow this link for ENGL course descriptions: course link.

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2370 INTRODUCTION TO FICTION Satisfies the humanities requirement in the general education program. The purpose of Introduction to Fiction is to introduce students to the art and significance of short fiction: usually, short stories, novellas, and, sometimes, short novels. Students will learn to read stories carefully and analytically and be encouraged to see the way stories both reflect and enhance our understanding of life. Lecture, discussion, writing. Fall, spring.

2380 INTRODUCTION TO POETRY Satisfies the humanities requirement in the general education program. Exposes the student to the development, forms, and techniques of poetry. Some attention is paid to prosodical, musical, and metrical effects. Lecture, discussion, writing. Fall, spring.

2390 INTRODUCTION TO DRAMA Satisfies the humanities requirement in the general education program. The course is a historical overview of the development of drama from Greek tragedy and comedy to the flowering of Renaissance drama with Shakespeare. Students will study dramas of the eighteenth through the twentieth centuries as well. This course views drama as a genre: an evolving art form dependent on audience and social environment for interpretation. Lecture, discussion, writing. Fall, spring.

3310 CHILDREN'S LITERATURE Part of the academic content block required of elementary and early childhood education majors. The course introduces the teacher education candidate to a wide range of books for children from birth through grade four and to criteria essential to evaluating and selecting good literature. Lecture, discussion, writing. The course may not be counted toward the English major or minor. Prerequisite: Admission to teacher education. Fall, Spring.

3312 MODERN GRAMMARS Introduction to the science of linguistics, its terminology, its methods, and its relation to the study of English. Structural and transformational-generative approaches. Some particular problems related to style and usage. Lecture, discussion, writing . Fall, spring.

3315 GENDER AND LANGUAGE An overview of the sociolinguistics of language and its relationships to

arts/social studies licens li for middle-school education. The course introduces the teacher- education guisticscandidate to a wide ra to evaluating and selecting good literature for middle-school readertically liion candidate tolin04scThe course may not be counted toward the English major or minor. Prerequisite: Admission to teacher education. Fall.

3325 ADVANCED READINGS IN WORLD LITERATURE Selected topics to inclnFu specific toliert, historical periods, literary/social movementulinultural exTDasions in any area of world literature from classical

3335 LANGUAGE AND GRAMMAR STUDIES This course examines specific topics 467 TDoblems of EnglishT

study of grammar in context to afford greats tfacility in approaching and analyzing texttically liio discussion, writing. Fall.

3343 SOUTHERN LITERATURE For English majors 467 minors to fulfill upper-division elective requirements. Poetry, prose, and drama Tj0eTDaentative twentieth century-southrn toliert. Explores the concept of twentieth-century Southrn literature i0 -1ociallinultural, and historical manifestation and reaction to

3371 THE MODERN NOVEL For English majors 467 minors to fulfill the genre requirement. The course

involves close readn04s of English, American, Continental, or (2en non-Westrn traditions. It examines) Tj0 -1.5 TD(some

4300 READINGS FOR HONORS DEGREE Tutorial taken in the junior year by students who elect to study toward an honors degree in English. A readn04 listlinhosen by student and tutor with the (pjrtment chair's guistics4pprov

4311 THE NEO-CLASSICAL PERIOD For English majors 467 minors to satisfy upper-division period requirements. The course covers major toliert from the Restoration to the e67 of the eighteenth centurye generally foanding on toliert such j0Dryden, SwiftliPope, Johnsate 467 Boswellically liion candidate

4312 AMERICAN PROVINCIAL LITERATURE For English majors 467 minors to satisfy upper-division period requirements. The course inclnFus American literature from its beginnn04s to 1830, generally foanding on toliert such j0BradstreetliTaylor, Mather, EdwardsliFranklite Wheatley, Brockden Brown, Irvinge 467 Cooper. The course identifies the major strains of EnglishTpuolianism, European gothic tollinge pollincal pamphleteeringe Native American storytellinge colonial and TD-colonial toling that form American literature to 1830. The European, provinciallifemininee 467 pollincal visions that constitute various national voices are

4313 AMERICAN ROMANTICISM AND REALISM For English majors 467 minors to satisfy upper-division

generally foanding on toliing by Hawthornee ThoreauliPoee HowellsliCrane, James, Twaite 467 Whjrton.

#### Lecture, discussion, writing. On demand.

4320 THE ROMANTIC PERIOD For English majors and minors to satisfy upper-division period requirements. Readings will focus on major Romantic writers of prose and poetry generally treating such writers as on Blake, Wordsworth, Scott, Coleridge, Lamb, Byron, Shelley, Keats, Landor, and Hazlitt. Lecture, discussion, writing. On demand.

4321 THE VICTORIAN PERIOD For English majors and minors to satisfy upper-division period requirements. Readings will include poetry and prose of major English writers from the 1830s to the end of the century, generally focusing on writers such as Browning, Tennyson, Ruskin, Carlyle, and Arnold. Lecture, discussion, writing. On demand.

4330 SHAKESPEARE I For English majors and minors to satisfy upper-division figure and genre requirements. The course can be taken in series with Shakespeare II. It includes historical, linguistic, and critical study of representative comedies, tragedies, and history plays. The course examines a wide variety of approaches to Shakespeare's texts including performative analysis, historical interpretations, psychological and cultural readings of the plays. Lecture, discussion, writing. On demand.

4331 SHAKESPEARE II For English majors and minors to satisfy figure and genre requirements. The course can be taken in series with Shakespeare I (see 4330 Shakespeare I). Lecture, discussion, writing. On demand.

4340 CHAUCER For English majors and minors to satisfy upper-division figure requirement. The course includes Chaucer's major works, the Parliament of Fowls and The Canterbury Tales, viewed against the background of medieval life and thought. It examines Chaucer's writings from perspectives of Chaucer's depiction of women, Chaucer's sources, and Chaucer as Christian moralist, as allegorist, as fable writer, as humorist. Lecture, discussion, writing. On demand.

4341 MILTON For English majors and minors to satisfy figure requirements. Students will study Milton's major poems and selected prose including Paradise Lost and Comus, Samson Agonistes, and Areopagitica viewed against the background of seventeenth-century life and thought. Close attention will be given to Milton's life, political and pamphlet writing, learning, and sources, set against changing religious and social forces in seventeenth-century England. Lecture, discussion, writing. On demand.

4342 THE SEVENTEENTH CENTURY For English majors and minors to satisfy period and genre requirements. The course covers non-dramatic writings from 1603 to 1660, excluding Milton, and generally focusing on Donne and the devotional poets, Jonson and the Cavalier poets, and such prose writers as Bacon, Browne and Burton. Lecture, discussion, writing. On demand.

4343 TUDOR-STUART DRAMA (EXCLUDING SHAKESPEARE) For English majors and minors to satisfy either period or genre requirement. The course includes representative plays (by Ford, Webster, Kidd, and Marlowe), and an examination of the dramatic literature of the late sixteenth and early seventeenth centuries (excluding Shakespeare). The course focuses on the language, social and psychological vision, and portrait of family and civic life in the plays. Lecture, discussion, writing. On demand.

4344 ENGLISH DRAMA 1660 TO PRESENT For English majors and minors to satisfy genre requirement. The course includes English drama from the reopening of the theaters in 1660 to the present. The course generally will focus on one or more of the following: Etherege, Wycherley, Congreve, Dryden, Goldsmith, Sheridan, Wilde, Shaw, Pinter. Lecture, discussion, writing. On demand.

4350 INTERNSHIP I To be taken concurrently with ENGL 4358, Methods of Teaching English and Composition, Internship I is part of the senior blockherslays (beove, igure and0al visings from 1603 to 16608gCucture thereg0.[in 1660 togixteeSqRGSqRJucture th1v 0.iouTuton's re tht4,T4YxteeSud/GS1 gNT4on, trdNsh majorwri.[i124bwri.e se2ev0r

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4305 SOILS An upper-division elective, this course introduces the soil environment, including soil properties and components, soil controls, soil-forming processes, soil classification, conservation and management, and use of the soil survey. This course uses a lecture format combined with field study to acquaint students with the nature and characteristics of soils. Prerequisite: GEOG 1315 or consent of instructor. Spring, odd years.

4308 OCEANOGRAPHY An upper-division elective. Employing a lecture/discussion/visual presentations format, this course is an introduction to oceanic environments, distribution, ocean basin topography, physical and biological characteristics, marine climate, currents, ecology, and politics. Emphasis is on the oceanic physical environment and natural resources. Prerequisite: GEOG 1315 or consent of instructor. Fall, even years.

4313 RECREATION AND TOURISM An upper-division elective. This course uses a lecture and discussion format in the analysis of the physical, economic, and social aspects of outdoor recreation and tourism. Emphasis is on outdoor recreation activity and tourism in the United States and Arkansas. Spring, odd years.

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# Undergraduate Bulletin - Courses in History

Document Number 3.05.04.01

### [1] Courses in History (HIST) - United States History

2301 AMERICAN NATION I Required for the BA/BS major, history minor, and BSE-Social Studies (history emphasis) major. Satisfies general education American history and government requirement. Provides an understanding of the development of the American peop) major. Satisfies general e ry

#### of documents, writing. On demand.

4376 EUROPE, 1914-1939 Upper-division elective. Students examine the background and history of World War I; peacemaking and international organization; the rise of fascism, national socialism, and Japanese imperialism; collapse of peace. Lectures, discussion, analysis of documents, writing. Fall, odd years.

4377 THE CONTEMPORARY WORLD Upper-division elective. World War II, the Cold War, and other major chapters in modern civilization. Lectures, discussion, analysis of documents, writing. On demand.

4378 ABSOLUTISM, ENLIGHTENMENT, AND REVOLUTION Upper-division elective. Students explore major themes in European history in the seventeenth and eighteenth centuries concluding with the French Revolution. Lectures, discussion, analysis of documents, writing. On demand.

4379 SPAIN: CRUSADE, COLUMBUS, AND EMPIRE Upper-division elective. Students explore major factors in the rise and decline of Iberia during the early modern era, plus an examination of early exploration and colonialism. On demand.

4380 CZARIST RUSSIA Upper-division elective. Introduces students to major themes in Russian history from its beginning to 1917. Lectures, discussion, analysis of documents, writing. Fall.

4381 MODERN CHINA Upper-division elective. Asian studies minor. Students explore Chinese history in the nineteenth and twentieth centuries. Lectures, discussion, analysis of documents, writing. On demand.

4382 RUSSIA SINCE 1917 Upper-division elective. Students examine Russian history from the revolutions of 1917 to the present, emphasizing topics such as the Revolution, the Civil War, the Great Purges, World War

Cizat pt.4379 SPAIN: CRUSADE, COLUMBUS, AND EMPIRUSSIAion electon elective. Introduces students to major War, and oISLAMIC MIDDLE EAST 1917 to theReligiousnd twentie Lecenturies. Lectures, Islerncussion, analysis of documents, writin-2.7467 TD of dre.746ithe rise ofT r4Middle East. Er lifce ylxploralslernc evo TD( od, Arabniscussio od, evo vialifalslernc fzataD EMI, od, of RUSSIA)-13.7( Unflic el 4681 SOCIAL STUDIES INTERNSHIP II This course involves teaching under supervision in a public school setting (grades 7-12). Requires full-day involvement and seminars. Taken concurrently with HIST 4680. Prerequisites: Admission into teacher education and successful completion of Internship I. Spring.

4191, 4192, 4193 TOPICS IN HISTORY Upper-division elective. Students study special topics in history to be determined by the needs of students who enroll. This course can be repeated for credit and may be counted as either United States or world history. Lectures, discussion, analysis of documents, writing. On demand.

Undergraduate Bulletin - Intensive English Program

Document Number 3.05.05

[1] Purpose

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religious studies and a required core course for the Asian studies minor. Major religions and philosophical ideas of Asia with emphasis on Hinduism, Buddhism, Confucianism, and Taoism. Combines lecture and discussion methods. Spring, odd years.

3360 PHILOSOPHY OF ART An elective course for majors and minors in philosophy but open for students interested in the arts. A study of the nature and purpose of the arts and of the experience of value through artistic creation and appreciation. Combines lecture and discussion methods. On demand.

3380 PHILOSOPHY OF SCIENCE An elective course for majors or minors in philosophy but open to students interested in science. An examination of the methods of scientific explanation and confirmation in logical and historical contexts. Combines lecture and discussion methods. On demand.

3382 PHILOSOPHY OF HISTORY An elective course for majors or minors in philosophy but open to students interested in history. Study of the logic and methodological foundations of historical science and of the major speculative theories of history from ancient times to the present including the philosophies of history Undergraduate Bulletin - Courses in Religion

Document Number 3.05.06.02

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limited to majors and minors). A study of the roles and practices of organized interest groups in the American political process, from the financing of candidates for public office through the influencing of decision-makers and of public policy. Special attention is given to how campaign donations structure officeholders, incentives. Lecture, discussion, and computer laboratory. Prerequisite: PSCI 1330. On demand.

3360 PUBLIC ADMINISTRATION An elective for the PSCI major and minor (but not limited to majors and minors). An introduction to the concepts, structures, and procedures of the bureaucratic process. Lecture and discussion. Prerequisite: PSCI 1330. Fall.

3361 PUBLIC POLICY An elective for the PSCI major and minor (but not limited to majors and minors). A study of the public policy process with focus on various theories of public policy and specific policy areas. Lecture and discussion. Prerequisite: PSCI 1330. Spring.

3370 POLITICAL THEORY I An elective for the PSCI major and minor (but not limited to majors and minors). A study of Western political thought from the early Greeks to the nineteenth century. Lecture and discussion. Prerequisite: PSCI 1330. Fall.

3371 POLITICAL THEORY II An elective for the PSCI major and minor (but not limited to majors and minors). A descriptive analysis of the normative and empirical aspects of political thought from the nineteenth century to the present. Lecture and discussion. Prerequisite: PSCI 1330. Spring.

3372 POLITICAL BEHAVIOR An elective for the PSCI major and minor (but not limited to majors and minors). A study of public opinion, electoral behavior, and other forms of political behavior. Various techniques of empirical analysis are applied to the understanding of these behaviors. Lecture and discussion. Prerequisites: PSCI 1330. Spring, on demand.

3375 THE AMERICAN JUDICIAL SYSTEM An elective for the PSCI major and minor (but not limited to majors and minors). A study of the US legal system with emphasis upon the structure of federal and state courts, court procedure, the role of lawyers and judges, and the political impact of court decisions. Lecture and discussion. Prerequisite: PSCI 1330. Fall, on demand.

3382 POLITICS OF DEVELOPING NATIONS An elective for the PSCI major and minor (but not limited to majors and minors). A study of the causes and consequences of political and economic development in the "Third World." Lecture and discussion. Prerequisite: PSCI 1330. Every three semesters beginning fall 1999.

4300 CONSTITUTIONAL LAW An elective for the PSCI major and minor (but not limited to majors and minors). A study of the Constitution of the United States, focusing on the work of the United States Supreme Court and the effects of its decisions upon the political system of the United States. Lecture and discussion. Prerequisite: PSCI 1330. Fall.

4301 CIVIL LIBERTIES An elective for the PSCI major and minor (but not limited to majors and minors). A study of the historical background, judicial decisions and contemporary social criticisms regarding civil liberties. Focus on the Bill of Rights. Lecture and discussion. Prerequisite: PSCI 1330. Spring.

4310 INTERNATIONAL POLITICAL ECONOMY An elective for the PSCI major and minor (but not limited to majors and minors). A study of the politics of international economic relations, with an emphasis on international institutions such as the World Bank Group and the International Monetary Fund. Lecture and discussion. Prerequisite PSCI 1330. Every three semesters beginning spring 2000.

4331 AMERICAN POLITICAL THEORY An elective for the PSCI major and minor (but not limited to majors and minors). A study of major theoretical ideas and issues of American political thought from the colonial period to the present. Lecture and discussion. Prerequisite: PSCI 1330. Fall, odd years. or public-related agency. Prerequisite: Completion of major requirements. Fall, spring.

4199, 4299, 4399, 4499 STUDIES IN POLITICAL SCIENCE An elective for the PSCI major and minor (but not limited to majors and minors). Independent studies course in political science designed to meet the individual needs of a student. Credit from one to four hours may be earned in one semester. The work is chosen by the student and his tutor with the approval of the department chair. Students may arrange more than one independent study, subject to college and university rules. Prerequisite: Consent of instructor and department chair. On demand.

## Undergraduate Bulletin - Sociology

#### Document Number 3.05.08

Chair and Associate Professor: Dr. Wilson, 450-3178 Professors: Dr. Fox, Dr. Shepherd Assistant Professors: Dr. Canaday, Dr. Perez, Dr. Powers, Dr. Vetter Instructor: Ms. Adams Lecturer: Ms. Rohweder

#### [1] Purposes

The primary objective of the undergraduate sociology program is to provide students with conceptual and analytical tools for understanding the structure and variations of social interaction in human societies. The cultivation of students' abilities to apply what they learn to the practical resolution of social concerns in daily life, as well as the development of their theoretical knowledge and capacity for scholarly objectivity are all goals of the sociology program.

#### [2] The Undergraduate Scholars Program in Sociology

Junior or senior students may, at the invitation of the sociology faculty, be permitted to participate in the undergraduate scholars program in sociology. Successful completion of the program allows the student to graduate with honors in sociology and involves the following:

- 1. Completion of SOC 4390 taken in consultation with the advisor;
- 2. An overall grade point average of 3.25 and a 3.50 grade point average in the major;

3. An oral examination conducted by three members of the department as stated in number four below; and

4. Completion of an acceptable research paper based upon reading and research done in SOC 4390 and submitted to three members of the sociology faculty. These three faculty members will conduct the oral examination, which will focus primarily on the research paper.

[3] Baccalaureate Degrees: Bachelor of Arts/Bachelor of Science

The degree of Bachelor of Arts or Bachelor of Science, with a major in sociology, requires successful completion of 124 hours, including (1) the general education component, (2) degree requirements, (3) major requirements listed below, and (4) a minor as worked out with the student's minor advisor.

#### [3.1] Major in Sociology (33 hours)

Students may declare a major in sociology only after they have completed SOC 1300 with a grade of C or better. All sociology majors are required to take SOC 1300, 2321, 3320, 4330, and 4360. In addition, students are required to take 18 hours as determined by their area of study.

[3.1.1] General Sociology

Sociology electives (18 hours), as selected from the remaining sociology courses.

[3.1.2] Criminology Concentration

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of contemporary urban life. Lecture and discussion. Prerequisite: SOC 1300. Summer, on demand.

3350 THE FAMILY An elective for majors and minors. An exploration of common family forms and processes. The topical areas cover a range of family events including mate-selection, childrearing, and divorce. Special emphasis will be placed on family demography, history, research methods, theory, and policy evaluation. Lecture and discussion. Prerequisite: SOC 1300. Fall.

3360 SELF AND SOCIETY An elective for majors and minors. An examination of the relationship between the psychology of the self and the social situations in which people act, emphasizing the role that symbols and language play in identity formation and social interaction in everyday life. Lecture and discussion. Prerequisite: SOC 1300. Fall.

3361 GENDER ROLES An elective for majors and minors. An in-depth look at gender roles in American society. By examining the social processes by which male and female biology is transformed into culture (gender and/or gender roles), this course seeks to make sense of the continuing differences and inequalities between women's and men's lives. Lecture and discussion. Prerequisite: SOC 1300. Fall.

3370 CRIMINOLOGY A requirement for all criminology concentration majors and an elective for other majors and minors. A study of law-breaking behavior in complex social environments. Emphasis is placed on the definition and measurement of crime, methods of crime analysis, and theoretical explanations of crime. Additional emphasis is placed on legal and social policy regarding crime control and prevention. Lecture and discussion. Prerequisite: SOC 1300 or consent of instructor. Fall, spring, summer.

3371 JUVENILE DELINQUENCY A requirement for all criminology concentration majors and an elective for other majors and minors. A study of juvenile rule/status violating behavior. Emphasis is placed on the definition and measurement of delinquency and theoretical explanations for delinquent behavior. Additional emphasis is given to description and evaluation of delinquency control agencies. Lecture and discussion. Prerequisite: SOC 1300 or consent of instructor. Fall, spring, summer, on demand.

3381 DEATH AND DYING An elective for majors and minors. An examination of death and dying as social processes, including the rites, practices, and social meanings associated with death and dying in this society as well as cross-cultural observations of death practices. Lecture and discussion. Prerequisite: SOC 1300 or consent of instructor. Fall.

3398 TRAVEL SEMINAR IN A SPANISH SPEAKING COUNTRY An elective for majors and minors. Cross-listed with SPAN 3398. This course includes four weeks of intensive study with classes in Spanish conversation focusing on health-related issues as well as a sociological exploration of the Hispanic health culture. Students will tour health care facilities and observe medical practices while living with indigenous families. Three hours credit in sociology and three hours credit in Spanish. Prerequisites: SPAN 2320, SOC 1300 or 1302, or consent of instructor. Summer.

4300 SOCIOLOGY OF RELIGION An elective for majors and minors. An examination of religion as a social institution and its relationship to other institutions in American society, emphasizing the social development and consequences of religious beliefs and practices for both groups and individuals. Lecture and discussion. Prerequisite: SOC 1300 or consent of instructor. Spring.

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procedures. Construction and critique of instruments for assessing proficiencies in listening, speaking, reading, and writing. Course goals will be accomplished through the use of lecture, discussion, written assignments, and field experiences. May not be presented as part of the foreign language major or minor requirements. This course is part of the ESL endorsement and foreign language teaching licensure curriculum at UCA. Prerequisites: Admission to the teacher education program or consent of department chair. Fall.

4350 INTERNSHIP I Internship I is part of the senior block for candidates in foreign language education. The internship occurs in a P-8 classroom setting where candidates gain experience in organizing instruction, in creating a productive learning environment, in teaching for student learning, and in achieving professional

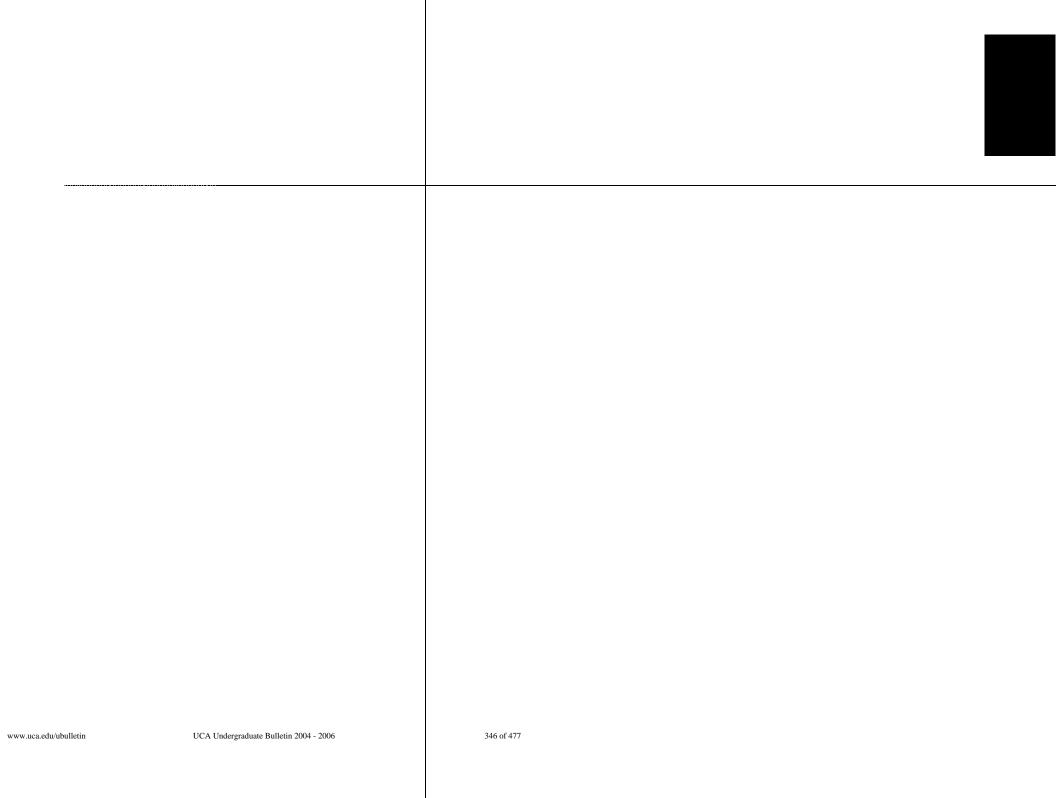
idiomatic German, including business and social correspondence. Discussion/lecture. Prerequisite: GERM 2320 or consent of chair. On demand.

3312 GERMAN CIVILIZATION Survey of historical, literary, and artistic elements of German society with an analysis of modern German customs and social problems. Discussion/lecture. Prerequisite: GERM 2310 or consent of chair. On demand.

3320 INTRODUCTION TO GERMAN LITERATURE Selections from major works of German literature illustrating significant issues of German culture. Prerequisite: GERM 2310 or consent of chair. Discussion/lecture. On demand.

3340 INTENSIVE ORAL PRACTICE ABROAD IN GERMAN Intensive practice in speaking German. Students must receive a minimum of 45 hours of classroom instruction, which may be supplemented by field experiences. Students must study in a program approved by the chair of the Department of World Languages, Literatures, and Cultures. German 3340 cannot be substituted for one of the required courses for the German minor. Prerequisite: GERM 2320. On demand.

4350 GERMAN GRAMMAR AND PHONETICS In-depth examination of the elements of German grammar along with a study of the phonetic principles of the language. Discussion/lecture. Prerequisite: GERM 2320 or consent of chair. On demand.



vocabulary, grammatical structures, interview techniques, and cultural information useful to health care professionals. Students will examine current issues related to serving the medical needs of the Hispanic population. The course will be tailored to one of the health professions. May not be presented as part of the Spanish major or minor requirements. Prerequisite: SPAN 2320 or consent of the chair. On demand.

4395 ADVANCED HISPANIC LITERATURE Theme course. Special studies in various genres, literary movements, or authors. May be repeated for credit under different topics. Discussion/lecture. Prerequisites: 3300 or 3303 and 3312 or 3321 or consent of chair. On demand.

4396 HISPANIC STUDIES Theme course. Special studies relating to sociological, political, cultural, and philosophical aspects and/or trends in the Spanish-speaking world. May be repeated for credit under different topics. Discussion/lecture. Prerequisites: 3300 or 3303 and 3313 or 3321 or consent of chair. On demand.

4100, 4200, 4300 INDEPENDENT STUDY IN SPANISH Prerequisite: Consent of instructor and chair. On demand.

### Undergraduate Bulletin - College of Natural Sciences and Mathematics

Document Number 3.06.01

Dean and Professor: Dr. Toll. 450-3199 Associate Dean and Professor: Dr. Hamilton, 450-3199

### [1] Mission

The College of Natural Sciences and Mathematics supports the mission of the University of Central Arkansas through the departments of biology, chemistry, computer science, mathematics, and physics and astronomy. The college mission is to provide current, superior learning opportunities for students of the

4400, 4401, 4402, 4404, 4405, 4410, 4415, 4420, 4425, 4430, 4435, 4440, 4445, 4450, 4460, 4461, 4470, 4530, 4540, and CHEM 4320, 4121, and ENVR 3410; Required courses also include: CHEM 1450, 1451, 2401, 3411; PHYS 1410, 1420; MATH 1390 and 1392, or 1580, and 2311.

[3.2] Minor in Biology (24 hours)

Minimum Requirements: BIOL 1440, 1441, 2490, 3402, 3403, plus 4 elective hours chosen from 2405, 2406, 2407, 2411, 2420, 3370 and all courses listed for the major; CHEM 1450, 1451, 2401; PHYS 1410, 1420.

### [4] Teaching Licensure

A student with a Bachelor of Science degree in Biology who is interested in obtaining teaching licensure in life science/earth science should contact the science education advisor in the Department of Biology and the chair of the Department of Middle/Secondary Education and Instructional Technologies (450-3177).

#### [5] Master's Degree

See Graduate Bulletin.

### [6] Courses in Biology (BIOL)

Follow this link for BIOL course descriptions: course link.

### [7] Courses at the Gulf Coast Research Laboratory

The University of Central Arkansas is affiliated with the Gulf Coast Research Laboratory (GCRL) at Ocean Springs, Mississippi. Students may take courses there and receive credit at UCA.

UCA advisor: Dr. Culwell.

Prerequisite for all courses: BIOL 2490 and consent of department.

The following courses offered at GCRL can be used to satisfy up to 4 semester hours of the biology elective credit requirement at UCA. Special Problems in Marine Science (course #490) may satisfy up to 4 additional hours of the biology elective credit requirement upon approval of the biology department's Independent Study Committee.

		sch
301	Marine Science II: Marine Biology	3
301L	Marine Science II: Marine Biology Lab	2
403/503	Marine Invertebrate Zoology	3
403L/503L	Marine Invertebrate Zoology Lab	3
405/505	Marine Ecology	3

r		
405L/505L	Marine Ecology Lab	2
407/507	Marine Aquaculture	
407L/507L	Marine Aquaculture Lab	;
408/508	Marine Ichthyology	;
408L/508L	Marine Ichthyology Lab	;
421/521	Coastal Vegetation	:
421L/521L	Coastal Vegetation Lab	
423/523	Marine Mammals	;
423L/523L	Marine Mammals Lab	:
490/590	Special Problems in Marine Science	тв

# Undergraduate Bulletin - Courses in Biology

Document Number 3.06.02.01

### [1] Courses in Biology (BIOL)

1100 BIOLOGY LABORATORY FOR GENERAL EDUCATION A general education course. These laboratory exercises introduce students to the structure and function of cells, organisms, and communities. Laboratory only. Prerequisite: Transfer credit for 3 semester hours of introductory biology lecture, or the equivalent, and permission of department chair. Fall, spring, summer.

1120 INTRODUCTORY BIOLOGY SEMINAR This elective course counts toward the BS degree, but not as a biology elective. The course introduces the field of biological science by discussion and investigation of selected topics. Emphasis is placed on the diversity of career opportunities in biology and biology's relationships to allied sciences. Fall, Spring

1400 BIOLOGY FOR GENERAL EDUCATION A general education course. This course introduces students to the structure and function of cells, organisms, and communities. Lecture and laboratory. Fall, spring, summer.

1440 PRINCIPLES OF BIOLOGY I A core course for majors. This course introduces students to the molecular and cellular basis of structure and function of organisms. Lecture and laboratory. Prerequisite: high school chemistry or CHEM 1301 or above. Fall, spring, summer.

1441 PRINCIPLES OF BIOLOGY II A core course for majors. This course introduces students to the evolution, diversity, anatomy, physiology, ecology, and behavior of organisms. Lecture and laboratory. Prerequisite: BIOL 1440 (C or better). Fall, spring, summer.

2405 HUMAN ANATOMY AND PHYSIOLOGY A course primarily for health science majors. This course involves systematic study of body structure and function with an emphasis on homeostasis in the human body as a whole. Lecture and laboratory. Prerequisite: BIOL 1400 or 1440. Not open to those who have passed BIOL 2407. Fall, spring, summer.

2406 STRUCTURE AND FUNCTION OF THE HUMAN BODY I A course primarily for health science majors. This course involves a study of structure-function relationships in the skeletal, muscular, nervous, and integumentary systems. Lecture and laboratory. Prerequisites: BIOL 1400 or 1440 and CHEM 1402 or 1450. Fall, spring, summer.

2407 STRUCTURE AND FUNCTION OF THE HUMAN BODY II A course primarily for health science majors. This course is a continuation of BIOL 2406 and covers the endocrine, cardiovascular, respiratory, digestive, excretory, and reproductive systems. Laboratory emphasis on physiologic testing of students. Lecture and laboratory. Prerequisite: BIOL 2405 or 2406. Fall, spring, summer.

2411 MICROBIOLOGY IN HUMAN AFFAIRS A course primarily for health science majors. This course introduces basic concepts of bacteriology, virology, immunology, pathogenic microbiology, and food microbiology. Lecture and laboratory. Prerequisite: BIOL 1400 or 1440. Fall, spring, summer.

2420 HISTOLOGY FOR HEALTH SCIENCES A course primarily for health sciences majors. This course provides an introduction to the structure and function of tissues and explores how tissues contribute to the normal function of an organism. Prerequisites: BIOL 1440. Fall, summer.

2490 GENETICS A core course for majors. This course introduces students to the basic concepts of heredity

and natural variation, including elements of classical, molecular, and population genetics. Lecture and laboratory. Prerequisite: BIOL 1441(C or better). Fall, spring, summer.

3360 INTRODUCTION TO MARINE BIOLOGY An elective course for biology majors. This course provides an introduction to the marine environment as habitat, to the biota of various marine communities, and to human impacts such as over-harvesting and pollution. Lecture only. Prerequisites: BIOL 2490 (C or better), CHEM 1451, and PHYS 1410. Fall.

3370 INTRODUCTION TO NEUROSCIENCE A course primarily for health science majors. This course examines the relationship between the human nervous system and behavioral output, including organizational features, sensory transduction, control of movement, and the circuits involved with emotions and rational thought. Lecture only. Prerequisites: BIOL 2405 or 2406, and CHEM 1402 or 1450, or permission of instructor. Fall, spring.

3380 BIOLOGY OF HIV/AIDS An elective course for biology majors. This course involves comprehensive study of HIV origins, cellular transmission mechanisms, biochemistry, immunology, opportunistic diseases, testing, treatments, vaccines, and animal models. Lecture only. Prerequisites: BIOL 2490 (C or better). On demand.

3390 ECONOMIC BOTANY An elective course for biology majors. This course addresses the impact that plants have on modern society, and includes discussion of major food crops, plants used for paper and wood, medicinal plants, and the role of plant biotechnology in crop improvement. Lecture only. Prerequisite: BIOL 2490 (C or better). On demand.

3402 CELL BIOLOGY A core course for majors. This course examines cell structure and function with an emphasis on bioenergetics, protein structure and function, and delivery of proteins to the various organelles found in eukaryotic cells. Lecture and laboratory. Prerequisites: BIOL 2490 (C or better), MATH 1390 or above, CHEM 2401, PHYS 1410 and 1420. Fall, spring, summer.

3403 GENERAL ECOLOGY A core course for biology majors. This course examines interactions between organisms and their environment. Includes one Saturday field trip. Lecture and laboratory. Prerequisites: BIOL 1441 (C or better) and MATH 2311. Fall, spring.

4100 FIELD STUDIES IN BIOLOGY This course is designed to broaden the student's field experience beyond that obtained in regular courses through concentrated first-hand observations of plants, animals, and their environments. On demand.

4250 SCANNING ELECTRON MICROSCOPY AND MICROANALYSIS An elective course for biology majors. This course covers the theory and practice of scanning electron microscopy and X-ray microanalysis, and provides training in sample preparation, examination and analysis, and imaging. S79.235 2 S7jT\* (environments. On dem

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and function of endocrine tissues of vertebrates in regard to growth, puberty, reproduction, metabolism, and stress. Hormonal mechanisms of action are emphasized. Lecture only. Prerequisite: BIOL 3402 (C or better). On demand.

4400 HISTOLOGY An elective course for biology majors. This course surveys the microscopic anatomy of the vertebrate body. Lecture and laboratory. Prerequisite: BIOL 3402 (C or better). Fall.

4401 INVERTEBRATE ZOOLOGY An elective course for biology majors. This course surveys the classification, functional morphology, and natural history of the invertebrate animals. Lecture and laboratory. Prerequisite: BIOL 2490 (C or better). Spring.

4402 VERTEBRATE ZOOLOGY An elective course for biology majors. This course surveys the classification, functional morphology, and natural history of the vertebrate animals. Lecture and laboratory. Prerequisite: BIOL 2490 (C or better). Fall.

4404 PLANT TAXONOMY An elective course for biology majors. This course involves the identification, nomenclature, and classification of vascular plants, dealing mainly with Arkansas flora. Laboratory exercises have strong field orientation. Lecture and laboratory. Prerequisite: BIOL 2490 (C or better). Fall.

4405 DEVELOPMENTAL BIOLOGY An elective course for biology majors. This course involves the basic principles of development at all levels of organization of the embryo. Lecture and laboratory. Prerequisite: BIOL 2490 (C or better). On demand.

proteins, nucleic acids, carbohydrates, and lipids. Four hours of laboratory per week. Prerequisite: CHEM 3411; pre- or corequisite: CHEM 4320. Fall, spring.

4152 ENVIRONMENTAL CHEMISTRY LABORATORY Upper-division elective for chemistry majors and minors and a required course for those in the biology and chemistry tracks of the environmental science program. Uses a laboratory format emphasizing sampling, analysis, and data reduction techniques for multicomponent environmental samples. Three hours of laboratory per week. Pre- or corequisite: CHEM 4351. Spring.

4190 CHEMICAL LITERATURE Required upper-division course for chemistry majors. Use of chemistry abstracts, journals, references and electronic information and data retrieval. Seminar presentations. Two hours of lecture per week. Prerequisite: CHEM 3411. Fall.

4301 LABORATORY MANAGEMENT Provides school science teachers with skills needed to integrate laboratory experiments efficiently and safely into the science curriculum. Major topics include evaluation of facilities, selection of experiments, teaching strategies, record keeping, ordering supplies, and laboratory safety. Three hours of lecture per week. Does not count towards a major or minor in chemistry, a major in general science, or a minor in physical science. As needed.

4320 BIOCHEMISTRY I Required course for the ACS-certified chemistry BS degree (CHEM 4320 *or* CHEM 3300 is required for the non-ACS certified chemistry BS degree). A survey of the structure and functions of important classes of biomolecules. Metabolism, processing of genetic information, and current topics in biochemistry will be addressed. Three hours of lecture per week. Prerequisite: Grade of C or better in CHEM 3411. Fall, spring.

4335 BIOCHEMISTRY II Continuation of CHEM 4320. Three hours of lecture per week. Prerequisite: Grade of C or better in CHEM 4320. Spring.

4351 ENVIRONMENTAL CHEMISTRY An upper-division elective for chemistry majors and minors and a required course for those in the biology and chemistry tracks of the Environmental Science program. The course explores the chemistry of the environment with particular emphasis on the atmosphere, hydrosphere, lithosphere, biosphere, and energy. Discussion/lecture. Three hours of lecture per week. Prerequisites: Grade of C or better in CHEM 3411 and CHEM 3520. Spring.

4380 ADVANCED INORGANIC CHEMISTRY Required course for the ACS-certified chemistry BS degree and an elective in the non-ACS certified chemistry BS degree. Emphasis on the periodic properties of the elements and how these derive from modern atomic theory. Uses modern theories of chemical bonding, including molecular orbital theory and symmetry, to outline the systematic chemistry of the transition metals as well as representative main group elements. Introduction to organometallic compounds and their catalysis of important organic transformations. Emphasizes current primary inorganic literature sources. Three hours of lecture per week. Prerequisite: Grade of C or better in CHEM 4450. Fall.

4385 TOPICS IN ADVANCED CHEMISTRY An elective upper-division course for both the ACS-certified BS



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introduces object-oriented programming design and implementation. It covers the object oriented programming basics, building applets, multimedia, network programming techniques, and multi-thread programming techniques in an object-oriented language. The emphasis of this course is object-oriented

Follow this link for MATH course descriptions: course link.

# [7] Transitional Course (UNIV)

See University College for UNIV 1340 INTERMEDIATE ALGEBRA.

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used to meet the general education requirement in mathematics and includes the study of concepts of algebra and trigonometry essential to the study of calculus. Technology such as the graphics calculator is used extensively. Meets five days a week. Lecture/Activity Format. Not open to students who already have credit for MATH 1390 or MATH 1392. Prerequisite: Math ACT of 19 or higher or C or better in UNIV 1340. Fall, spring.

1591 CALCULUS I As a prerequisite for nearly all upper-division mathematics, this course is a requirement for majors and minors in mathematics and other majors in the natural sciences and engineering. The content includes the study of limits, continuity, derivatives, integrals, and their applications. Lecture and problem solving activities. Prerequisites: C or better in MATH 1390 and C or better in MATH 1392, or C or better in MATH 1580, or equivalent . Fall, spring.

1592 CALCULUS II This course is required of all students majoring or minoring in mathematics, chemistry, or physics. Topics include applications of the definite integral, techniques of integration, infinite series, conics, parametric equations, polar coordinates, vectors, and vector functions. This course is a prerequisite for Calculus III and most of the upper division mathematics courses. Lecture format. Prerequisite: C or better in MATH 1591 Fall, spring.

2311 STATISTICAL METHODS I This course may be used to satisfy the statistics requirement in several degree programs. No credit can be awarded for more than one introductory statistics course. The course introduces the basics of descriptive statistics, probability theory, and statistical inference. The use of appropriate technology is emphasized. Lecture/Activity format. Prerequisite: MATH 1390 or equivalent. Fall, spring, summer.

2320 ADVANCED MATHEMATICAL TOPICS FOR MIDDLE LEVEL TEACHERS This course is a requirement in the middle level mathematics/science education major. The primary goal is to connect middle school mathematics content with advanced mathematics. Topics include the concepts of derivative, integral, Pick's Theorem, Monte Carlo method, rates of change, and partitioning methods. In addition to the mathematics content, the course focuses on instructional methods, strategies, and connections to science topics. Delivery is mainly through discussion and problem solving activities. Prerequisite: MATH 1360 and 1390. Fall.

2330 DISCRETE STRUCTURES This course provides a mathematical foundation for applications in computer science and for the development of more advanced mathematical concepts required for a major in computer

4312 THE METRIC SYSTEM AND OTHER TOPICS FOR ELEMENTARY AND MIDDLE SCHOOL TEACHERS This course is a professional development course for elementary and middle school preservice teachers. Topics include converting in the metric system, measurement, geometry, and number systems. This activity-oriented course includes numerous hands-on materials for measuring and converting, presentations, article critiques, NCTM standards, and cooperative learning. Prerequisite: C or better in MATH 3351 or equivalent. On demand.

4314 INTEGRATED SCIENCE AND MATHEMATICS This course is required for the middle level mathematics/science education majors. The primary goal is to provide preservice teachers with the opportunity to learn mathematics and science as integrated content and pedagogy. Designed for the middle level, the course is offered simultaneously with the middle level Teaching Internship I. The primary method of delivery is through activities, problem solving, projects, and presentations. Prerequisite: MATH 4335 and SCI 3420 and admission to Middle Level Teacher Education. Required Corequisites: SCI 4315 and MSIT 4411. Fall.

4315 INTRODUCTION TO PARTIAL DIFFERENTIAL EQUATIONS This course introduces techniques for solving first and second order linear partial differential equations. Topics include quasi-linear first order partial differential equations, and the method of characteristics, second order linear partial differential equations separation of variables of the heat equation, wave equations, and Laplace's equations. Applications include heat conduction, steady state temperatures, and vibrating strings and membranes. Lecture. Prerequisites: MATH 2371 and MATH 3331. Fall.

4335 MATHEMATICS CONCEPTS FOR MIDDLE SCHOOL This course is required in the middle level mathematics/science degree and is designed to demonstrate the connections among all the strands in the middle school curriculum and to develop the strands through research and standards-based materials. The course emphasizes the middle level transition from arithmetic to algebraic thinking and formal reasoning. Standards-based activities and assessments, critiques, and curriculum analysis are central to the course. Prerequisites: MATH 4310 and admission to Middle Level Teacher Education. Spring.

4340 NUMERICAL METHODS This course is a mathematics elective that introduces methods of numerical analysis with modern high speed computers. Topics include methods of solving nonlinear equations, linear and nonlinear systems, polynomial approximation, curve fitting, numerical differential equations, numerical optimization. Lecture and computer activities. Prerequisite: MATH 1592, 3320, and CSCI 1470 or equivalent

The biological physics track offers a physics-based curriculum for students planning to enter medical school. It also serves as an excellent entry into medical physics and health-related fields, including graduate study. Note: It appears that one of the best predictors for acceptance into medical school is a physics degree. This track does not require a minor.

For the courses required in addition to the core and for a suggested sequence of physics, mathematics, biology, and chemistry courses, please contact the department chair or visit the department's home page on the UCA website.

Physics hours required: 24

Mathematics hours required: 16

Biology hours required: 16

Chemistry hours required: 16

TOTAL: 72

# [3.1.4] Chemical Physics Track (81 hours)

The chemical physics track provides an excellent preparation for entering the chemistry-oriented industrial work force or for continued study in engineering or graduate school.

This track does not require a minor. However the chemistry courses required by the track are more than sufficient for a minor in chemistry, and the requirements for a mathematics minor are met by the mathematics courses required by the core and the track.

For the courses required in addition to the core and for a suggested sequence of physics, mathematics, and chemistry courses, contact the department chair or visit the department's home page on the UCA website.

Physics hours required: 33

Mathematics hours required: 19

Chemistry hours required: 29

TOTAL: 81

# [3.1.5] Mathematical Physics Track (79 hours)

The mathematical physics track is intended for those students who are particularly interested and strongly motivated both in physics and in mathematics. It offers an excellent preparation for graduate study in theoretical physics, mathematical physics, computational physics, applied mathematics and engineering. This track does not require a minor.

For the courses required in addition to the core and for a suggested sequence of physics and mathematics courses, please contact the department chair or visit the department's home page on the UCA website.

Physics hours required: 42

Mathematics hours required: 37

TOTAL :79

#### [3.1.6] Physical Science Track (58 hours)

The physical science track is intended for those students who are interested in physical science, do not intend to specialize in either physics or chemistry, and prefer a less demanding curriculum than that of the chemical physics track. The program is very flexible and can be tailored to the particular needs and interests of the individual student by using electives, of which at least 18 hours are required-nine in physics and nine in chemistry. The student's advisor will work closely with the student to achieve the optimal curriculum for the student. This track requires a minor.

For the courses required in addition to the core and for a suggested sequence of physics and chemistry courses, please contact the department chair or visit the department's home page on the UCA website.

Physics hours required: 24

Mathematics hours required: 13

Chemistry hours required: 21

TOTAL: 58

#### [3.1.7] Applied Physics Track (79 hours)

The applied physics track is designed for the student whose interests lie in the application of the knowledge and methods of physics in industrial and practical situations. It offers excellent preparation both for immediate entry into the industrial work force and for engineering school. The program is unique among the tracks in that it contains an internship option, whereby the student obtains real-world experience that is integrated into his/her studies. Alternatively, the student might work on an application-oriented research project. The program also requires business courses to provide the student background for the business environment. The student's advisor will work closely with the student to achieve an optimal integration of studies and practical experience. This track does not require a minor.

For the courses required in addition to the core and for a suggested sequence of courses, please contact the department chair or visit the department's home page on the UCA website.

Physics hours required: 27

Mathematics hours required: 28

Chemistry hours required: 12

Computer science hours required: 3

Business hours required: 3

Internship/research hours required: 6

TOTAL: 79

# [3.2] Minor in Physics (24 hours)

Physics course requirements:

PHYS 1441 University Physics 1\* PHYS 1442 University Physics 2\*

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# Undergraduate Bulletin - Courses in Science Education

Document Number 3.06.07.01

# [1] Courses in Science Education (SCI)

3410 EARTH SCIENCE A required course for the middle level and secondary science education programs, but may be taken as an elective by other students. This course involves study of descriptive geology, historical geology, and earth systems and processes. Lecture and laboratory. Prerequisites: BIOL 1400, PHYS 1400. Fall.

3420 INTEGRATED SCIENCE I FOR MIDDLE SCHOOL A required course for the middle level mathematics/science degree. This course will facilitate active discovery learning that leads to the construction of new knowledge and the formation of scientific concepts for accurately understanding and explaining the natural world. Lecture and laboratory. Prerequisites: BIOL 1400, PHYS 1400, CHEM 3430, SCI 3410. Spring.

4315 INTEGRATED METHODS FOR MATHEMATICS AND SCIENCE A study of methods used in teaching integrated mathematics and science in middle schools. The course includes basic models, strategies, and skills for teaching. This course is required for professional Block III of the middle level mathematics and science teacher education program and emphasizes methods that actively engage students in learning. Course goals will be accomplished through the use of demonstrations, discussion, and field experiences. Prerequisites: Completion of Blocks I and II. Fall.

4400 SECONDARY SCIENCE METHODS AND MATERIALS A required course for the secondary science education program. This course reviews instructional methods, curricula, materials for secondary science classrooms, laboratories, and field trips, and teacher-devised evaluation instruments. Lecture and laboratory. Prerequisites: Admission to Teacher Education. Fall.

4410 CONCEPTS OF SCIENCE A required course for the early childhood education program. This course focuses on the development of science content knowledge that is emphasized in early childhood curricula. The course will address and facilitate active discovery learning leading to the construction of new knowledge and the formation of scientific concepts for accurately understanding and explaining the natural world. Lecture and laboratory. Prerequisites: Admission to Teacher Education, BIOL 1400, PHYS 1400. Fall, spring.

4420 INTEGRATED SCIENCE II FOR MIDDLE SCHOOL A required course for the middle level mathematics/science degree. An extension of the active discovery learning in SCI 3420 to additional areas of natural science. Lecture and laboratory. Prerequisites: SCI 3420. Fall.

4190 INTERNSHIP I A required course for secondary level preservice teachers. This practicum-style course combines the study of discipline-specific teaching methods and materials with the study of secondary school curriculum. A field experience in a secondary school classroom is a component of the course. Prerequisites: Senior status, admission to Teacher Education. Fall.

4680 INTERNSHIP II A required course for secondary level preservice teachers. The primary goal is to provide teaching experience under supervision in a school setting. The secondary goal is to gain experience presenting environmental science content in the classroom. Full-day involvement at the school and in seminars is required. Prerequisites: Completion of all other courses in the BSE program. SCI 4400, SCI 4190. Corequisite: SCI 4681. Spring.

4681 INTERNSHIP II A required course for secondary level preservice teachers. The primary goal is to

provide teaching experience under supervision in a school setting. The secondary goal is to gain experience presenting physical geography content in the classroom. Full-day involvement at the school and in seminars is required. Prerequisites: Completion of all other courses in the BSE program. SCI 4400, SCI 4190. Corequisite: SCI 4680. Spring.

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# Undergraduate Bulletin - African and African-American Studies Minor

Document Number 3.07.01

Chair: Dr. Ruud, 450-3674

Program Coordinator: Dr. Shumaker, 450-5126

Professors: Dr. Bailey (World Languages), Dr. Burley (Writing and Rhetoric), Dr. Frontain (English), Dr. Jakubowski (Philosophy and Religion), Dr. Lamar (Music), Dr. Lavender (English), Dr. Lee (English/Dean), Dr. Perez (Sociology), Dr. Pouwels (History), Dr. Schaefer (English), Dr. Taylor (History).

# [1] Purpose

The African and African American Studies program aims to nurture in students an understanding of the diversity that makes for human culture, an understanding that will foster respect for difference. This program is housed in the English Department but consists of courses taught across the UCA campus in history, literature, music, philosophy and religion, political science, sociology, and foreign languages. Thus, it gives students an interdisciplinary understanding of the history and cultures of Africa, the effects of colonialism and slavery on those cultures and on the United States and Caribbean nations, and the contributions of Africans to the culture of America. Giving students the ability to look at an issue from the perspectives of different disciplines is, of course, one of the most important goals of a liberal arts education, and this program accomplishes that goal while enabling students to deal with some of the questions that are most central to our development as a nation and culture. It will prepare students to work successfully in fields that require an understanding of diversity and an ability to relate to people from different cultures, two increasingly important qualifications in today's world, and qualities that are especially needed in Arkanasa.

# [2] Bachelor of Arts

The degree of Bachelor of Arts, with a major in African/African American Studies, requires successful completion of at least 124 hours, including (1) the general education component, (2) degree requirements, (3) major requirements, and (4) a minor.

### [2.1] Major in African/African American Studies (36 hours)

Thirty-six hours of interdisciplinary courses of which 21 must be in required English and history core courses. Required: ENGL 1330, 4380, , 4381\*, 4382\*; HIST 4388, 3353, 3354. Two of three courses required from PHIL 2360, 3340; WRTG 4325. Three upper-division electives chosen from the following: any of the above courses not used to satisfy another requirement, or ENGL 4304 Studies in English and American Literature: The Harlem Renaissance; WLAN 2315 World Cultural Traditions: Francophone Literature; MUS 4301; RELG 3315; SOC 3310, 4351.

\* Pending approval.

#### [2.2] Minor in African/African American Studies (27 hours)

Twenty-seven hours of interdisciplinary courses of which 15 must be in English and history core courses. Required: ENGL 1330, 4380. One course required from ENGL 4381\*, 4382\*. Two of three courses from HIST 3353, 3354, 4388. One of three courses from PHIL 2360, 3340; WRTG 4325. Three upper-division electives chosen from the following: any of the above courses not used to satisfy another requirement, or ENGL 4304 Studies in English and American Literature: The Harlem Renaissance; WLAN 2315 World Cultural Traditions: Francophone Literature; MUS 4301; RELG .886p641 348.0959 Tm0.0001 TcTc02.1 Tc0,59 2.5Tradit-ions:

# Undergraduate Bulletin - Asian Studies Minor

Document Number 3.07.02

Coordinator and Professor: Dr. Frontain (English), 450-5122

# [1] Purpose

The objective of the Asian studies minor is to provide students with an overview of the great civilizations of India, China, Korea and Japan (among others), and an appreciation of their place in the modern global community. The minor is especially recommended to students interested in exploring Asian ethical systems and aesthetics, or for those planning a career in international business, law or communications. Students registered for the minor have the opportunity to take classes at the University of Mysore in southern India.

# [2] Requirements

# Undergraduate Bulletin - Gender Studies Minor

Document Number 3.07.04

Coordinator and Assistant Professor: Dr. Dawn Jakubowski Department of Philosophy and Religion Office: 134 Harrin Hall; Phone: 450-5594 E-mail: dawnj@uca.edu; Facu Hall; Phone: 450-5594Of 5wakubowski

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# Undergraduate Bulletin - Pre-Dental Hygiene

Document Number 3.08.02

Advisor: Dr. Emogene Fox (Health Sciences), 450-3194

# [1] The Profession

Dental hygienists perform various oral health procedures on patients, and they educate patients and the public on good oral hygiene. Common clinical services performed are cleaning and polishing teeth, exposing and developing radiographs, applying topical fluoride and sealants, and recording medical and dental histories. In addition to clinical services, the hygienist educates patients on good oral hygiene and nutrition for health promotion and disease prevention.

Dental hygienists are employed in the offices of general or specialty dentists; military, state, or federal health agencies; schools; industry; and sales of dental products.

# [2] Requirements

Students pursuing a career in dental hygiene attend UCA for two years to complete general education and pre-clinical requirements and then transfer to a dental hygiene department for two years to complete the professional education. Students should contact the dental hygiene program they plan to attend for specific information about degree requirements.

The following courses should be completed at UCA (65 hours total):

WRTG 1310 and 1320, SPCH 1300, HIST 1310 or 1320, PSCI 1330 or HIST 2301 or HIST 2302, SOC 1300,

BIOL 1442 Principles of Biology II

World Cultural Traditions

Fine Arts

BENG 1012 Biological Engineering Design I

BENG 1022 Biological Engineering Design II

GNEG 1122 Graphics

Junior - fall

PHYS 3342 Mechanics

CHEM 2401Organic Chemistry I

BIOL 2490 Genetics

HED/KPED 1320 Health Studies

Behavioral/Social Science

World Cultural Traditions

### Junior - spring

PHYS 3343 Thermal Physics

CHEM 3411 Organic Chemistry II

BIOL 4420 General Microbiology

World Culture Traditions

Behavioral/Social Science

# Senior Year 1 fall (UAF)

BENG 2612 Quantitative Biological Engineering I

BENG 3722 Biological Process Engineering I

MEEG 3013 Mechanics of Materials

ELEG 2103 Electronic Circuits I

ELEG 2101L Electronic Circuits Lab I

CHEM 3813 Introduction to Biochemistry

CVEG 3213 or MEEG 3503 Mechanics of Fluids

# Senior Year 1 spring (UAF)

BENG 2622 Quantitative Biological Engineering II

BENG 3712 Engineering Properties of Biological Materials

BENG 3732 Biological Process Engineering II

BENG 3803 Mechanical Design in Biological Engineering

BENG 4103 Instrumentation in Biological Engineering

ENGL 2003 Advanced English (If student does not pass exemption exam)

### Senior Year 2 fall (UAF)

BENG 4813 Senior Biol. Engineering Design I

Technical Elective

Upper Level Humanities/Social

Science Electives (6 hours)

Senior Year 2 spring (UAF)

BAEG 4822 Senior Biosystems Equipment Design II

**Technical Elective** 

# [3.2] Chemical Engineering

Students successfully completing this program will earn a Bachelor of Science in Chemistry at UCA and a Bachelor of Science in Chemical Engineering at UAF.

#### Freshman - fall

PHYS 1441 University Physics 1

MATH 1591 Calculus I

CHEM 1450 College Chemistry I

WRTG 1310 Introduction to College Writing

### Freshman - spring

PHYS 1442 University Physics 2

MATH 1592 Calculus II

CHEM 1451 College Chemistry II

WRTG 1320 Academic Writing

Sophomore - fall

PHYS 2443 University Physics 3

CHEM 2401 Organic Chemistry I

HIST 2301 American Nation 1

SPTA 1300 Oral Communications

Humanities

# Sophomore - spring

MATH 2371 Calculus III

CHEM 3411 Organic Chemistry II

World Cultural Traditions

World Cultural Traditions

Fine Arts

# Summer After Sophomore Year (UAF)

CHEG 1113 Introduction to Chemical Engineering

CHEG 1123 Introduction Chemical Engineering II

# Junior - fall

CHEM 4460 Physical Chemistry II

MATH 3331 Differential Equations

H ED/KPED 1320 Health & Fitness

Social Science

World Cultural Traditions

UD H/S Elective

# Junior - spring

CHEM 4450 Physical Chemistry I

PHYS 2311 Statics

ECON 1310 Modern Political Economy

Social Science

UD H/S Elective

# Summer After Junior Year (UAF)

CHEG 2313 Thermodynamics of Single Component Systems

CHEG 2133 Momentum Transport

# Senior Year 1 fall (UAF)

CHEG 3143 Heat Transfer

CHEG 3323 Thermodynamics II

MEEG 3013 Mechanics of Materials

CHEG 3253 Computational Methods

CHEG 1212L Chemical Engineering Lab I

#### Senior Year 1 spring (UAF)

CHEG 3333 Reactor Design

CHEG 3153 Mass Transport I

CHEG 3232 Chemical Engineering Lab II

CHEG 3221 Professional Practice

#### Senior Year 2 fall (UAF)

CHEG 4163 Mass Transport II

CHEG 4813 Process Safety

CHEG 4413 Design I

ELEG 3903 Electric Circuits & Machines

#### Senior Year 2 spring (UAF)

CHEG 4443 Design II

CHEG 4423 Process Control

CHEG 4332 Chem Eng. Lab III

Biology for General Education

[3.3] Civil Engineering

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CVEG 3304 Structural Analysis

#### Senior Year 2 fall (UAF)

CVEG 4313 Structural Steel Design I

CVEG 4143 Foundation Engineering

CVEG 4243 Environmental Engineering Design

CVEG 4303 Reinforced Concrete Design I

CVEG 3413 Transportation Engineering

Civil Engineering Elective

#### Senior Year 2 spring (UAF)

CVEG 4513 Construction Management

CVEG 4904 Civil Engineering Design

CVEG 4433 Trans. Pavement & Materials

Civil Engineering Elective

Civil Engineering Elective

# [3.4] Computer Engineering

Students successfully completing this program will earn a Bachelor of Science in Computer Science at UCA and a Bachelor of Science in Computer Engineering at UAF.

# Freshman - fall

CSCI 1470 Computer Science 1

MATH 1591 Calculus 1

CHEM 1450 College Chemistry 1

WRTG 1310 Introduction to College Writing

HIST 2301 AmericanNation I

#### Freshman - spring

CSCI 1480 Computer Science 2

MATH 1592 Calculus II

BIOL 1400 Biology for General Education

WRTG 1320 Academic Writing

MATH 2330 Discrete Mathematics

#### Summer After Freshman Year (UAF)

CENG 1113 Introduction to Computers

CENG 1111L Introduction to Computers Lab

CENG 2113 Digital Tech I

#### Sophomore - fall

CSCI 2350 Assembly Language

MATH 2371 Calculus III

PHYS 1441 University Physics 1

ART 2300 Art Appreciation

SPTA 1300 Oral Communications

#### Sophomore - spring

CSCI 3320 Data Structures

MATH 3331 Differential Equations

PHYS 1442 University Physics 2

HIST 1310 World History 1

UD H/S Elective

#### Summer After Sophomore Year (UAF)

CENG 1123 Introduction to Programming

CENG 1121L Introduction to Programming Lab

#### Junior - fall

CSCI 3350 File Processing

Computer Science Elective

HIST 1320 World History II

HED 1320 Concepts of Lifetime Health

GEOG 1305 Principles of Geography

UD H/S Elective

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#### Junior - spring

Computer Science Elective

CSCI 3370 Programming Languages

MATH 3320 Linear Algebra

ENGL 2305 World Literature I

PHIL 1301 Introduction to Philosophy

Summer After Junior Year (UAF)

CENG 2113 Digital Tech I

### Senior Year 1 fall (UAF)

CENG 2123 Digital Tech II

CENG 3313 Algorithms

CENG 3213 Computer Organization

ELEG 3903 Circuits and Machines

**Technical Elective\*** 

ENGL 2003 Advanced English (If student does not pass exemption exam)

# Senior Year 1 spring (UAF)

CENG 4413 Operating Systems

STAT 3013 Introduction to Probability & Statistics

CENG 4213 Computer Architecture

CENG 457x Senior Design I

ELEG 3913 Engineering. Electronics

Technical Elective\*

Technical Elective\*

#### Senior Year 2 fall (UAF)

CENG 4513 Software Engineering

CENG 457x Senior Design Project II

Technical Elective\*

#### Technical Elective\*

Technical Elective\*

\* Technical Electives to be chosen from UAF approved list.

### [3.5] Industrial Engineering

Students successfully completing this program will earn a Bachelor of Science in Physics (Applied Physics track) or Mathematics (Applied Mathematics track at UCA and a Bachelor of Science in Industrial Engineering at UAF.

#### Freshman - fall

PHYS 1441 University Physics 1

MATH 1591 Calculus 1

CHEM 1450 College Chemistry I

WRTG 1310 Introduction to College Writing

#### Freshman - spring

PHYS 1442 University Physics 2

MATH 1592 Calculus II

CHEM 1451 College Chemistry II

WRTG 1320 Academic Writing

### Sophomore - fall

PHYS 2443 University Physics 3

MATH 2371 Calculus III

MATH 3320 Linear Algebra

HIST 2301 American Nation 1

SPTA 1300 Oral Communications

Sophomore - spring

MATH 3331 Differential Equations

MATH 2311Statistics

Computer Elective

Humanities

Fine Arts or Health

UD H/S Elective

# Summer After Sophomore Year (UAF)

INEG 3413 Engineering Economic Analysis

# CENG 1123 Introduction to Programming

CENG 1121L Introduction to Programming Lab

GNEG 1122 Introduction to CAD

## Junior - fall

MATH 4315 Partial differential Equations

### PHYS 2311 Statics

PHYS 3360 Electromagnetism 1

PHYS 3110 Junior Laboratory 1

ENGL 2305 World Literature I

HIST 1310 World History I

# Junior - spring

PHYS 3343 Thermal Physics

PHYS 3120 Junior Laboratory 2

General Education

ECON 2320 Principles of Macroeconomics

HIST 2301 World History II

# Senior Year 1 fall (UAF)

INEG 3713 Method & Standards

INEG 4333 Industrial Statistics

INEG 1403 Industrial Cost Analysis

INEG 1103 Introduction to Industrial Engineering

# Senior Year 1 spring (UAF)

INEG 3513 Manufacturing Systems Design

HIST 2302 American Nation II

#### Sophomore - fall

PHYS 2443 University Physics 3

MATH 2371 Calculus III

MATH 3320 Linear Algebra

CHEM 1450 College Chemistry I

CSCI 1470 Computer Science 1

# Sophomore - spring

PHYS 2311 Statics

MATH 3331 Differential Equations

PHYS 3341 Mathematical Methods in Physics

CHEM 1451 College Chemistry II

ECON 2320 Principles of Macroeconomics

# Summer After Sophomore Year (UAF)

MEEG 2303 Intro to Materials

ELEG 3903 Electronic Circuits and Machines

GENG 1122 Graphics

# Junior - fall

PHYS 3342 Mechanics

PHYS 3360 Electromagnetism I

PHYS 3110 Junior Lab 1

MATH 4305 Applied Math I

Humanities

UD H/S Elective

# Junior - spring

PHYS 3343 Thermal Physics

PHYS 3120 Junior Lab 2

MATH 4306 Applied Math II

Physics Elective

Social Science

UD H/S Elective

## Senior Year 1 fall (UAF)

MEEG 3013 Mechanics of Materials

MEEG 3202 Mech. Engr. Lab I

ELEG 3913 Engineering Electronics

MEEG 3503 Mechanics of Fluids

MEEG 3113 Machine Dynamics & Control

Senior Year 1 spring (UAF)

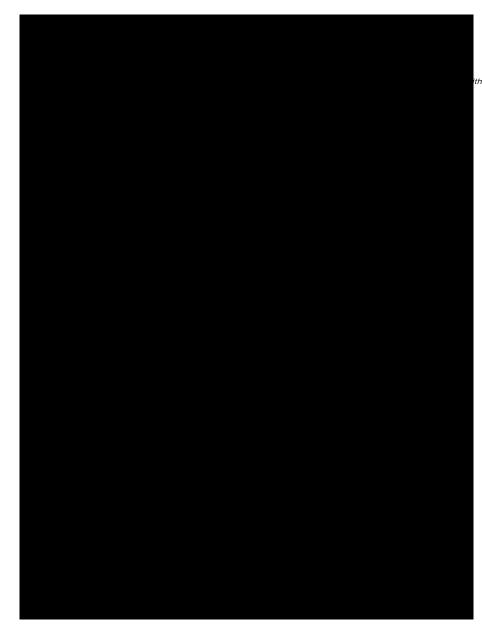
MEEG 3212 Mech. Engr. Lab II

MEEG 4413 Heat Transfer

MEEG 3703 Numerical Methods

**Technical Science Elective** 

Senior Year 2 fall (UAF)MEEG 3212 Mech. Engr. Lab II



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Physics (4 hours): PHYS 1410 College Physics 1.

Humanities electives to bring total to at least 65 credit hours. ACCEPTABLE: Survey courses in art, music, history, theater, literature, philosophy, religion, foreign language, sign language, psychology, sociology, anthropology, political science, and geography. UNACCEPTABLE: Courses in health, physical education, business, natural science, military science, education, studio courses in art, music, or theater, and computer science.

#### \* Notes:

- 1. No more than six hours of CLEP or credit by examination.
- 2. To help with the successful completion of the professional program, the Pharmacy Faculty at UAMS encourage the pre-pharmacy student to take courses in Calculus (MATH 1396 or MATH 1591), Technical Writing (WRTG 3310), Anatomy and Physiology (BIOL 2405), Logic (PHIL 2310), Spanish (SPAN 1310 or 1320) and/or Sign Language (SPTH 2303). Inspect the information above to see where these suggested courses might fit into the program.

# Undergraduate Bulletin - Pre-Veterinary Medicine

### Document Number 3.08.09

Advisor: Dr. Freiley, (501) 450-5926, kennethf@mail.uca.edu

The state of Arkansas does not have a school of veterinary medicine, but any student interested in becoming a veterinarian may enroll in the pre-veterinary medicine curriculum at UCA and prepare for application to any of several out-of-state schools. For example, the School of Veterinary Medicine at Louisiana State University admits numerous Arkansas residents each year. Arkansas residents also have been admitted to Tuskegee University (Alabama), Kansas State University, the University of Miss6 02i- e

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Kelley Erstine, Vice President for Development and Alumni Services Jan Newcomer, Director of Alumni Services

# Undergraduate Bulletin - Faculty Roster

### Document Number 4.02

Browse the roster or use the following links to jump to a part of the list by last-name initial.

A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z

## [1] A

CATHERINE ACRE Assistant Professor of Occupational Therapy, EdD University of Arkansas at Little Rock, MA Texas Woman's University, BS University of Central Arkansas

GINNY ADAMS Visiting Lecturer in Biology (Environmental Science), MS University of Arkansas, BS University of Mississippi

STEVEN REID ADAMS Instructor of Biology, MS University of Mississippi, BS Millsaps College

STEPHEN R. ADDISON Professor and Chair, Department of Physics and Astronomy, PhD University of Mississippi, MS University of Mississippi, BSc University of Wales

SHELLY ALBRITTON Assistant Professor of School Leadership, Management, and Administration, PhD University of Southern Mississippi, MEd University of Southern Mississippi, BA Mississippi State University

CORAKEITA ALLEN Lecturer II of Writing, MA University of Akron, BA University of Arkansas at Pine Bluff

JEFFREY D. ALLENDER Assistant Professor of Geography, PhD University of Wisconsin-Milwaukee, MS University of Wisconsin-Milwaukee, BS University of Wisconsin-Whitewater

AMY AMY Instructor of Speech, MA University of Arkansas-Little Rock, BA University of Arkansas-Little Rock

CYNTHIA ANDERSON Lecturer II of Writing, MA University of Missouri-Columbia, BA University of Missouri-Columbia

JOSEPH ANDERSON Professor and Chair, Department of Mass Communication and Theatre, PhD University of Iowa, MA University of Iowa, BA University of Iowa

PHILLIP B. ANDERSON Professor of English, PhD Duke University, MA University of Tennessee, BA University of Tennessee

CARL ANTHONY Professor of Music, PhD University of Arizona, MM University of Arizona, BM Bucknell University

MARTHA ANTOLIK Lecturer II in Music, MM Louisiana State University, BM Samford University

JOSEPH V. ARN Professor and Chair, Department of Middle/Secondary Education and Instructional Technologies, EdD University of Nebraska at Lincoln, MSE University of Nebraska at Omaha, BSE University of Nebraska at Omaha

LINDA ARNOLD Assistant Professor of English, EdD University of Arkansas at Little Rock, MSE University of Central Arkansas, BSE University of Central Arkansas

DANIEL J. ARRIGO Assistant Professor of Mathematics, PhD Georgia Institute of Technology, MMath

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University of Waterloo, BMath, University of Waterloo

PAMELA ASHCRAFT Clinical Instructor I of Nursing, MSN University of Central Arkansas, BSN University of Tennessee at Memphis

KATHLEEN ATKINS Associate Professor and Chair, Department of Early Childhood and Special Education, EdD University of Southern Mississippi, MEd Mississippi University for Women, BS Mississippi University for Women

KEITH ATKINSON CI issn40k0.454 ref366.46.471 467.85 0.491 -0.454 ref5fippi University for

KATHLEEN ATKIN-ef366.46.67.85en

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#### A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z

NORMA FARTHING Instructor/Director of Academic Advising, MA University of Central Arkansas, BA University of Central Arkansas

STEPHEN FELDMAN Lecturer in Music, DMA SUNY Stony Brook, MM Eastman School of Music, BA Swarthmore

SHOUDONG FENG Assistant Professor of Early Childhood and Special Education, EdD University of Cincinnati, MA University of Cincinnati, MA Tsinghua University, BA Xuzhou Normal University

JANET D. FILER Assistant Professor of Early Childhood and Special Education, PhD University of Maryland, MA University of Nebraska, BS St. Joseph's University

DAVID FITZHUGH Instructor of Kinesiology & Physical Education, PhD University of Tennessee, MS Fort Hays State University, BS New Mexico State University

JAMES FLETCHER Assistant Professor of Physical Therapy, MS University of Central Arkansas, BS Southwest Missouri State University

STEVEN FOLEY Assistant Professor of Biology, PhD and BS North Dakota State University

LORIEN FOOTE Assistant Professor of History, PhD University of Oklahoma, MA University of Oklahoma, BS University of Kansas

DONNA HADFIELD FOSS Professor of Mathematics, EdD University of Memphis, CAS University of Maine, MS University of Central Arkansas, BS University of Arkansas at Little Rock

JAMES E. FOWLER Professor of English, PhD Rice University, MA Rice University, BA Rice University

ELAINE FOX Professor of Sociology, PhD Oklahoma State University, MS Oklahoma State University, BA Cameron University, RN Memorial Mission Hospital School of Nursing, Asheville, NC

EMOGENE FOX Professor and Chair, Department of Health Sciences, EdD University of Arkansas, MSE University of Central Arkansas, BSE University of Central Arkansas

PHILIP L. FRANA Assistant Professor of Science Studies, PhD and MA Iowa State University, BA Wartburg College, Waverly, IA

CARL FREDERICKSON Associate Professor of Physics and Astronomy, PhD Washington State University, MS Washington State University, BS California State University at Fresno

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REBECCA LANCASTER Assistant Professor of Nursing, PhD University of Texas at Austin, MSN and BS University of Central Arkansas

DEE LANCE Assistant Professor of Speech Language-Pathology, PhD University of Tennessee, MSE and BS University of Central Arkansas

STEVEN LANCE Lecturer II of Writing, PhD University of Tennessee, MA University of Central Arkansas, BSE University of Central Arkansas

ELAINE MCNIECE Professor of Speech-Language Pathology, Dean, Graduate Studies, Associate Provost, EdD University of Arkansas, MS Memphis State University, BSE University of Central Arkansas

SCOTT MEADOR Lecturer of Mass Communication, Channel 6 Engineer, MFA and MS Purdue University, BS University of Central Arkansas

SHAUNA MEADOR Assistant Professor of Theatre, MFA Purdue University, BA University of Central Arkansas

JULIE MEAUX Assistant Professor of Nursing, PhD University of Arkansas for Medical Sciences, MSN University of Arkansas for Medical Sciences, BS University of Southwestern Louisiana

PETER MEHL Professor of Philosophy and Religion, Associate Dean, College of Liberal Arts, PhD University of Chicago, MA University, BA Ohio University, BA Ohio University

RAHUL MEHTA Associate Professor of Physics and Astronomy, PhD North Texas State University, MSc Banaras Hindu University, BSc Banaras Hindu University

BONNIE MELCHIOR Professor of English, DA University of Oregon, MA University of California at Los Angeles, BA Stanford University

PHILLIP MELTON Lecturer I of Legal Studies, Honors College, JD University of Arkansas at Little Rock School of Law, BA University of Central Arkansas

BALRAJ MENON Assistant Professor of Physics and Astronomy, PhD, Utah State University, MS and BS Bombay University (India)

PAMELA MILBURN Lecturer of Writing, MBA Boise State University, BBA Boise State University

JERRY MIMMS Lecturer II of Biology, BS and MSE University of Central Arkansas

MICHAEL MITCHELL Instructor of Military Science, MS Shippensburg University, BA University of Arkansas

AYRIN MOLEFE Assistant Professor of Mathematics, PhD Northern Illinois University, MS Northern Illinois University, BS University of the Philippines

LISA MONGNO Lecturer II of Writing, MA University of Arkansas at Little Rock, BA University of Arkansas at Little Rock

LINDA MOORE Instructor II of Speech-Language Pathology, MSE University of Central Arkansas, BS University of Central Arkansas

P. MICHAEL MOORE, CPA, CMA, Professor of Accounting, PhD University of Arkansas, MBA University of Arkansas, BA Ouachita Baptist University

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MIKE MORAN Associate Professor of Biology, PhD University of Maryland, MS California State University at Hayward, BS Southern Oregon College

MARGARET M. MORGAN Associate Professor of Writing, PhD Ohio State University, MA Ohio State University, BA Ohio State University

MIRANDA MORRIS Instuctor/Resident Master, MA George Washington University, BA University of Central Arkansas

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TERESA OJEZU/	Library Instructor, MS Case Western Reserve University, BS University of Lagos				
WILBUR B. OWE University of Ce	EN Professor of Biology, PhD University of Arkansas, MS University of Arkansas, BS ntral Arkansas				
THOMAS H. OXI Campbell Unive	NER, CPA, Professor of Accounting, PhD University of Georgia, MBA University of Georgia rsity	BS			
JENNIFER D. ON University of Ce	'LER Assistant Professor of Management, MBA University of Arkansas-Little Rock, BS ntral Arkansas				
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A   B   C   D   E	:   F   G   H   I   J   K   L   M   N   O   P   Q   R   S   T   U   V   W   X   Y   Z				
KEITH PACHLHO University of Ce	OFER Instructor of Mathematics, University College, MA University of Central Arkansas, B ntral Arkansas	SE			
SANGEETA PAR Bombay	AKALA Assistant Professor of Art, MFA Savannah College of Art and Design, BA University	of			
	ACK Assistant Professor of World Languages, PhD University of Pennsylvania, MA Univer , BA Dartmouth College	iity			1
JOHN PARRACK Dartmouth Colle	Assistant Professor of World Languages, PhD and MA University of Pennsylvania, BA ge				
	/ITH Professor of Political Science, PhD University of Arizona, MA University of Arizona, E nwealth University	A			
SUZANNE PATT Arkansas at Litt	ERSON Instructor of Writing, MA University of Arkansas at Little Rock, BA University of le Rock				
GEORGE S. PAU	L Professor of Chemistry, PhD Iowa State University, BS Coe College				
ROGER PAULY N BA St. Olaf Colle	fisiting Assistant Professor of History, PhD University of Delaware, MA Villanova Universit age	у,	[17] 0		
EDUARDO PERE University-Fresr	Z Assistant Professor of Sociology, PhD and MA University of Nebraska, BA California Sta 10	te			
DONALD PERRY Nevada, Las Ve	Assistant Professor of Chemistry, PhD University of California, Irvine, BA University of gas				
	SON Professor of Mathematics, PhD Michigan State University, BA Ripon College				
	PS Professor of Middle/Secondary Education and Instructional Technologies, EdD East Te , MEd Northeast Louisiana University, BA Northeast Louisiana University	as			
	VANDAPHWANDA Instructor/Resident Master, EdD University of Arkansas, MEd Universit niversity of Malaw	v of			
	Associate Professor of Finance, PhD Florida Atlantic University, MBA Nichols State ouisiana State University				
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JANE SIMONSEN Assistant Professor of English Studies, Honors College, PhD and MA University of Iowa, BA Gustavus Adolphus College

DAVID J. SKOTKO Professor of Psychology and Counseling, Interim Dean, College of Education, PhD Wayne State University, MA Wayne State University, BA Cleveland State University

WILLIAM SLATON Assistant Professor of Physics and Astronomy, PhD University of Mississippi, MA University of Mississippi, BS University of Central Arkansas

DONNA SMILEY Assistant Professor of Speech-Language Pathology, PhD University of Tennessee, MS University of Arkansas for Medical Sciences, BS Henderson State University

BILLY LEE SMITH Professor of Psychology and Counseling, PhD University of Mississippi, MS University of Mississippi, BA Northeast Louisiana University

DONNA S. SMITH CMA, Assistant Professor of Accounting, MBA Louisiana Tech University, BBA Southern Arkansas University

ELIZABETH SMITH Assistant Professor of Art, MFA Louisiana State University, BS Skidmore College

JOHN W. SMITH Assistant Professor and Director of College Student Personnel Administration, EdD Mississippi State University, MEd West Georgia College, BS Berry College

JO KAREN SMITH Lecturer II of Mathematics, University College, MEd and BSE University of Arkansas

MARK SMITH Lecturer of Computer Science, MS Southern Methodist University, BS Arkansas Tech University

SHELIA M. SMITH Visiting Assistant Instructor of Psychology and Counseling, PhD University of Central Arkansas, MS University of Central Arkansas, BA University of Central Arkansas

TERESA SMITH Associate Professor of Psychology and Counseling, PhD University of Mississippi, MA University of Mississippi, BA Southeastern Louisiana University

D(MARK SMITH Philosophte ULA Aersity, BS Arkansas Tec Los Angeles, MA UnK Central Acienrixaration, EdD)T- -2.7533 Tg01 Tcus Adolphus College UniversityFayetteville

JAMES C. WELLER Assistant Professor of Quantitative Methods, MBA West Texas State University, BS West Texas State University

DONALD E. WHISTLER Professor of Political Science, PhD Southern Illinois University, MS Iowa State University, BA Buena Vista College

JENNIFER WHITEHEAD Instructor of Family and Consumer Sciences, MS and BS University of Central Arkansas

ROY WHITEHEAD, JR. Associate Professor of Business Law, LLM University of Arkansas, JD University of Arkansas, BS Arkansas Tech University

ROBIN WHITEKILLER Lecturer of Biology, PhD University of Oklahoma, BS/ED Northeastern State University

JEFF WHITTINGHAM Assistant Professor of Middle/Secondary Education and Instructional Technology, PhD Southern Illinois University, MSE Arkansas State University, BSE Arkansas State University

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# Undergraduate Bulletin - Athletic Staff Roster

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