

Counseling And Instructional Sciences

Department Information

Department of Counseling and Instructional Sciences	(251) 380-2861
Interim Chair	James P. Van Haneghan
Professors	Johnson, Van Haneghan
Associate Professors	Billingsley, Fregeau, Stefurak
Assistant Professors	Gaston, McDermott, Moore, Upton, Zha
Instructors	

Department of Counseling and Instructional Sciences website
<https://www.southalabama.edu/colleges/ceps/cins>

Department Of Counseling And Instructional Sciences

The Department of Counseling and Instructional Sciences offers the Master of Education degree in Educational Media (leading to certification in Library Media), and in School Counseling leading to certification as a school counselor, and the Master of Science degree in Educational Media & Technology, Clinical Mental Health Counseling, and Instructional Design. The department also offers the Doctor of Philosophy degree in Instructional Design and Development. The department collaborates with the Department of Psychology in the College of Arts and Sciences to deliver the Ph.D. degree in Combined-Integrated Clinical & Counseling Psychology. Finally, the department offers the B.S. degree and minor in Instructional Design & Performance Improvement.

Interdepartmental Education

Faculty within the department offer foundational coursework in Education Technology, Educational Psychology, Educational Foundations, and Educational Research. These courses are offered for students in the undergraduate and graduate programs throughout the college and are designed to broaden and strengthen degree-area preparation.

Areas Of Study

Clinical Mental Health Counseling (MS)
 Educational Media (M.Ed.) – Library Media
 Educational Media and Technology (MS)
 Graduate Certificate in Clinical Mental Health Counseling
 Graduate Certificate in Human Performance Improvement
 Graduate Certificate in Instructional Design and Development
 Instructional Design and Development (MS)
 Instructional Design and Development (Ph.D.)
 School Counseling (M.Ed.)

Courses

Counselor Education (CED) (CED)

CED 560 Diagnosis/Treatment Planning 3 cr

The Diagnostic and Statistical Manual of Mental Disorders (DSM) is used to develop a basic understanding of mental disorders. Students learn to utilize the DSM classification system to identify counseling techniques and develop counseling plans.

CED 561 Marriage and Family Counseling 3 cr

The theories, principles, and techniques of counseling couples and families are examined. Other topics include ethical and multicultural issues, assessment, and current research in marriage and family counseling.

CED 562 Addictions Counseling 3 cr

This course provides an overview of research and theory in regards to the etiology, assessment, diagnosis and treatment of addictive disorders, e.g. alcoholism, drug addiction, gambling, etc. The course will review theoretical and evidence-based models of counseling for addictive disorders as well as considerations for treating addictive disorders among various special populations and with culturally diverse clients.

CED 563 Divorce Mediation 3 cr

This course will introduce students to the techniques of divorce mediation. Legal, ethical and psychological issues in the divorce mediation process will be examined with special emphasis on the neutral role of the mediator explored.

CED 564 Gerontological Counseling 3 cr

Emphasis is on a basic knowledge of the theories, principles and techniques of counseling elderly individuals, couples and their families. Includes such topics as assessment, ethical and cultural issues, model programs, and current research in gerontological counseling.

CED 565 Found of Prof School Couns 3 cr

Provides an overview of the history, philosophical foundations, and professional duty of professional school counseling. Review of historical and contextual forces that shaped the evolution of professional school counselors' roles and functions within schools. Special emphasis will be placed on current trends and best practices as identified by ASCA and current literature.

CED 566 Multicultural Counseling 3 cr

Includes a study of historical and current theories and issues in multicultural counseling, provides an understanding of societal trends and changes, and demonstrates strategies/techniques for cross-cultural counseling techniques through class exercises, case studies, and demonstrations. Reflective experiences are used to allow for the development of cultural self-knowledge.

CED 567 Couples Counseling 3 cr

This course will provide an overview of various theoretical approaches and related research findings for couples counseling. The course will also provide an overview of current theory and research in human sexuality, including sexual development, sexual well-being/wellness, sexual orientation and sexual dysfunction and disorders. The course will apply particular focus to sexuality issues as they are an aspect of individual and couples counseling work.

CED 568 Comm Mental Health Counseling 3 cr

This course examines community mental health counseling and includes a survey of its organizational, fiscal, and legal dimensions; of community needs assessment, program delivery, advocacy, funding, and intervention; of the principles of consultation, education and outreach; of client and community characteristics; and of the various practice settings and roles.

CED 569 Child Counseling 3 cr

This course provides an overview of current theoretical perspective and evidence-based intervention paradigms regarding psychological, behavioral, cultural and social context/environmental problems commonly occurring during childhood and adolescence. A focus will be upon knowledge of basic counseling skills for use with children and adolescents as well as learning to conceptualize childhood problems at various levels of social ecology: individual, cultural, academic, familial, community and societal.

CED 571 Foundations of CMHC 3 cr

This course is an introduction to the historical and philosophical foundation of Clinical Mental Health Counseling as well as overview of contemporary clinical practice issues within this counseling specialty.

CED 572 Princ and Theories of Couns 3 cr

Includes a study of various theories, principles, and techniques in counseling. Opportunity is provided for the implementation of counseling techniques through the study of case studies and transcripts.

CED 573 Ed Occup Info Sys - Mats - Res 3 cr

The study of educational, vocational, psychological, and individual resources needed to make employment decisions. Emphasis is on the collection and evaluation of information, procedures and strategies for researching employment opportunities, and the management of information services.

CED 574 Group Couns Theory and Process 3 cr

Includes both the theory and practice of group counseling, counseling with clients of diverse backgrounds, and selecting group work suitable to multicultural needs. Emphasis is on the developmental level and background of clients with which the counselor expects to work.

- CED 575 Intro to Community Rehab 3 cr**
Introduces the student to a broad field of community rehabilitation. Included is the history, philosophy, present activities and future trends in rehabilitation. A multidisciplinary approach to the study of the "whole person" is emphasized and direct contact with community social service agencies is an integral part of the course.
- CED 576 Supv Practicum in Couns 3 cr**
This course requires the student to demonstrate the appropriate use of a variety of counseling skills and techniques. Audio and video tapes of individual counseling sessions are critiqued in class by the instructor. Requires special permission of the instructor.
Pre-requisite: (CED 571 Minimum Grade of B or CED 565 Minimum Grade of B) and CED 586 Minimum Grade of B and CED 572 Minimum Grade of B and CED 574 Minimum Grade of B and CED 566 Minimum Grade of B and CED 584 Minimum Grade of B.
- CED 578 Supv Pract-Group Counseling 3 cr**
Supervised practice is provided in group counseling and other group work experience appropriate for a counselor. Practicum experience is offered in the setting in which the student plans to work.
- CED 579 Soc and Psych Asp of Disabil 3 cr**
The theory, research, and practices in related disciplines which contribute to an understanding of human disability. Field work and case study serve as integrating activities.
- CED 580 Student Personnel Services 3 cr**
Included is a survey of historical developments and current practices in student personnel services in post-high school educational institutions. The organization, administration, and functions of the various services are stressed.
- CED 581 Rehab Case Management 3 cr**
This course provides for critical analysis of representative rehabilitation case studies. Case records are used as a basis for developing an understanding of the clients with handicaps and their problems, the rehabilitation case work process, diagnosis, eligibility requirements, and the provision of services.
- CED 582 Data-Driven School Counseling 3 cr**
Provides an overview of how school counselors can access, interpret, and use achievement data, demographic data, school process data, and perception data to inform school counseling programmatic decisions. Assessment of systemic data, using data to guide program development, formative and summative evaluation methods, and strategies for dissemination of data are reviewed.
- CED 583 Indiv and Group Testing Lab 3 cr**
Supervised experience in the selection, administration, and scoring of educational and psychological tests, and the interpretation and reporting of test results.
Pre-requisite: EPY 555 Minimum Grade of B.
- CED 584 Sem Ethical and Legal Issues 3 cr**
Ethical standards of the profession and current legal issues will be examined in the context of case studies and current literature. Critical analysis by each student of legal and ethical issues faced by counselors and psychometrists will be stressed.
- CED 585 Medical Aspects of Rehab 3 cr**
Common symptomology, treatment, and medical management techniques of rehabilitation and physical medicine are emphasized. Other topics include assessment of client's functional limitations, interpretation of medical information, and planning for the client's rehabilitation.
- CED 586 Counseling Skills and Process 3 cr**
Emphasis is placed on the counseling procedures involved in developing and maintaining the therapeutic relationship. Students are required to model the basic skills of counseling using videotaped incidents and observations for feedback on skill development.
- CED 588 Career Devel, Assess, & Interv 3 cr**
Emphasis is placed on a basic knowledge of the theories, principles, and techniques of career counseling used for a wide range of ages. Other topics include model career development programs, assessment, population and age diversity, individual characteristics, placement and current research.
- CED 590 Special Topics - 3 cr**
Guided supervision in the completion of learning tasks in counselor education such as program design and revision study of a significant topic, theory, model and supervision of selected learning activities to acquire specific counseling and testing skills.
- CED 591 Advocacy, Collab. & Consult. 3 cr**
This course will provide an overview of advocacy, collaboration and consultation models and essential skills for professional school counselors and clinical mental health counselors. The role that each of these skills play in the professional identity of the school and mental health counselor and strategies for using these skills to promote systemic change and equitable social systems will be examined.
- CED 592 Crisis & Trauma Counseling 3 cr**
Students will gain knowledge of research-informed theoretical models of etiology and development of problems such as suicidality and other forms of mental health crisis, as well as grief, trauma, and disaster-related mental health symptoms. Students will also gain knowledge of evidence-based models of counseling and intervention in these areas such as comprehensive risk assessment strategies, psychological first aid and systems of mental health crisis management.

CED 594 Dir St and Research 1 TO 3 cr

Students explore through directed study problems and issues of special interest or significance in Counselor Education. Not more than three semester hours of any departmental 594 courses can be accepted toward a degree program.

CED 595 Internship - School Counseling 1 TO 9 cr

The internship is a supervised learning experience in a work setting similar to that in which a school counselor eventually will be employed. The internship provides the student with an opportunity to apply the theories and concepts learned during the graduate program. Not more than 12 hours may be taken. Prerequisite: Special permission of the instructor and a grade of B or above in CED 586 and CED 576. Pre-requisite: (PRAXIS- Prof School Counselor 156) and CED 576 Minimum Grade of B and CED 586 Minimum Grade of B and CED 584 Minimum Grade of B.

CED 596 Internship-School Psychometry 1 TO 9 cr

The internship is a supervised learning experience in a work setting similar to that in which a school psychometrist eventually will be employed. The internship provides the student with an opportunity to apply the theories and concepts learned during the graduate program. Not more than 12 hours may be taken. Requires special permission of the instructor.

Pre-requisite: EPY 556 Minimum Grade of B and CED 584 Minimum Grade of B and EPY 558 Minimum Grade of B and CED 583 Minimum Grade of B.

CED 597 Internship in CMHC 1 TO 9 cr

The internship is a supervised learning experience in a work setting similar to that in which a community counselor eventually will be employed. The internship provides the student with an opportunity to apply the theories and concepts learned during the graduate program. Not more than 12 hours may be taken. Requires special permission of the instructor.

Pre-requisite: CED 576 Minimum Grade of B and CED 584 Minimum Grade of B and CED 586 Minimum Grade of B.

CED 598 Internship-Rehab Counseling 1 TO 9 cr

The internship is a supervised learning experience in a work setting similar to that in which a rehabilitation counselor eventually will be employed. The internship provides the student with an opportunity to apply the theories and concepts learned during the graduate program. Not more than 12 hours may be taken. Requires special permission of the instructor.

Pre-requisite: CED 576 Minimum Grade of B and CED 584 Minimum Grade of B and CED 586 Minimum Grade of B.

CED 599 Thesis 1 TO 9 cr

A student selects a project, study or investigation which is related to an area of specialization in Counselor Education. The project forms a basis for the thesis. A thesis committee will provide direction during the writing of the thesis.

CED 672 Adv Couns Theory and Practice 3 cr

An advanced study of counseling theories and strategies as they apply to practical situations and special populations. Pre-requisite: CED 572 Minimum Grade of B.

CED 674 Adv Theory and Pract Grp Couns 3 cr

This course provides the student with advanced skills and knowledge designed to facilitate working with groups. The course emphasizes group theory, research, and participation in group dynamics.

Pre-requisite: CED 574 Minimum Grade of B.

CED 676 Advanced Practicum-Counseling 3 cr

Supervised field experience in appropriate settings. Required weekly seminar. Requires special permission of the instructor.

CED 678 Negotiation Training 3 cr

This course focuses on the development of negotiation, conflict resolution, and communication skills needed to be effective in resolving a variety of training-related problems. Students will have an opportunity to research and practice in the negotiation process by applying communication and conflict resolution techniques in simulated and real situations.

CED 690 Sp Top - 3 cr

Guided supervision in the completion of learning tasks in counselor education such as program design and revision, study of a significant topic, theory, model, and supervision of selected learning activities to acquire specific counseling and testing skills.

CED 694 Dir St and Research 1 TO 3 cr

Students explore through directed study problems and issues of special interest or significance in Counselor Education. Not more than three semester hours of any departmental 694 courses can be accepted toward a degree program.

CED 699 Research Project 3 cr

A supervised field project, or investigation in the Counselor Specialist Program, serving as the culminating experience in the program. Applying concepts and skills learned during the sixth-year program, the student will conduct an investigation and prepare a field project report in standard form.

Pre-requisite: CED 576 Minimum Grade of B.

Educational Foundations (EDF) (EDF)

EDF 207 Law and Politics in Educ 3 cr

Examines the legal and political considerations that affect education in America. Emphasis will be placed on the practical applications of these legal and political considerations to the operation of schools.

EDF 211 Clinical and Lab Experience 0 cr

Provides relevant clinical and laboratory experiences directly related to the several academic disciplines that constitute the social foundations of education. Must be taken with EDF 315. Requires a special fee.
Co-requisite: EDF 315

EDF 290 Sp Top - 1 TO 3 cr

Varies in content in one disciplinary area of educational foundations (e.g., history of education or anthropology of education) or in an interdisciplinary area (e.g., multicultural education). May be repeated for credit when course content varies.

EDF 300 Gender & International Devel-W 3 cr

This course introduces concepts in gender, international development and global education through an examination and critique gender issues in developing nations and international efforts to address these concerns from the 1970's to the present with particular emphasis on the context of women. Includes formal and nonformal education of women, cultural differences (reproduction, marriage, male/female hierarchies) affecting life opportunities, rural vs. urban issues, politics, social class influences, international movements, and organizations and efforts to empower girls and women to advance their lives within the context of gendered social roles. Analysis of issues through various lenses including the Gender Equality Continuum. Students will interact directly with individuals in the field via videoconferencing and other modes of electronic communication. Assessment will center on a guided project and experience specific to individual student interests.
Pre-requisite: EH 102 Minimum Grade of C.

EDF 310 International Develop & Educ-W 3 cr

A study of international development and education in global and gender contexts that includes an examination of policy, structure, sociological issues (gender, religion, social class), and formal, adult and nonformal education. Major agency providers in the field and employment opportunities in the public and private sectors will be reviewed. Students will interact with individuals in the field through videoconferencing, face-to-face dialogues and other electronic interactions. Assessment will center on a guided project and experience specific to individual student interests. This course helps prepare students for a summer study abroad service learning experience in a developing country.
Pre-requisite: EH 102 Minimum Grade of C.

EDF 315 Education in Diverse Society 3 cr

Focused on the effects of diversity on teaching and learning this course is a study of the social context of schooling from historical, philosophical, sociological, political, and comparative perspectives.

EDF 320 Compar & Intl. Gender & Fam 3 cr

The content will focus on comparative and international gender and family issues regarding non-formal adult health education and services. The student will do readings in this content area and compare human rights related to gender and family roles, woman's health issues and family planning services across the nations, how these relate to life opportunities for women and men. Programs providing related services and education will be analyzed. Students will dialogue with individual working in the field to gain a deeper understanding of contemporary real-world endeavors. Assessment will center on a guided project and experience specific to individual student interests and includes a service learning component at a local agency or an agency serving a developing country.

EDF 325 Global Gender Perpec in Ed 3 cr

An examination of gender and race, class, religion, language and ethnicity in formal and nonformal education in US and global contexts that develops cultural competencies and prepares students with an interest in international development/education careers. Students will interact directly with professionals in the field from various cultural backgrounds via videoconferencing and other modes of electronic communication. Assessment will center on weekly applications of course topics to real world situations and guided project or service learning specific to individual student interests.

EDF 330 Amer Ed Comp Global Framework 3 cr

An overview of education in its three aspects: formal, non-formal and informal. It will include the history, philosophy, sociology, policy and structure of the American education in comparison with other countries' systems. A regional approach will include northern Africa, the Indian Sub-continent, Asia, Pacific Islands and Australia, Central America and the Caribbean, South America, Canada and Europe. Assessment will center on weekly applications of course topics to real world situations and a guided project or service learning experience specific to individual student interests.

EDF 335 Intern. Devel & Global Ed 3 cr

A study of current problems and issues in non-formal, informal and all levels of formal education. Includes poverty, inequality and human rights and related structures, policies and programs. Includes poverty, inequality and human rights and related structures, policies and programs. Major issue areas include health, gender, rural development, agriculture, civil society, economics, sustainability, politics and reform. Content may vary according to currently important issues. Assessment will center on weekly applications of course topics to real world situations and a guided project or service learning experience specific to individual student interests.

EDF 490 Special Topics 1 TO 3 cr

Varies in content in one disciplinary area of educational foundations (e.g., history of education or anthropology of education) or in an interdisciplinary area (e.g., multicultural education). May be repeated for credit when course content varies.

EDF 494 Directed Studies 1 TO 3 cr

Directed study. Prerequisite: Permission of Department. (No more than two directed studies can be counted toward the Bachelor's Degree and Class B Certificate.)

EDF 501 Cult Found of Education 3 cr

A presentation and investigation of basic concepts, issues, and principles of American education within a social scientific framework; particular emphasis is on multicultural concerns and strategies.

EDF 515 Multicultural Education 3 cr

In a multicultural society, teachers must be able to work with students from a variety of backgrounds-some quite differently from the teachers' own. Four cultural factors are the focus of this course: social class, race, gender, and ethnicity. Teachers sensitive to these factors can prepare students to survive and function in the dominant culture without sacrificing pride in the students' own cultures.

EDF 590 Sp Top - 1 TO 3 cr

Course may vary in content or may be supervised study in one disciplinary area of educational foundations (e.g., history of education or anthropology of education) or in an interdisciplinary area (e.g., multicultural education). May be repeated for credit when course content varies.

EDF 594 Dir St and Research 1 TO 3 cr

Students explore problems and issues of special interest or significance in educational foundations. Not more than three semester hours of any departmental 594 courses can be accepted toward a degree program.

EDF 610 History of American Educ 3 cr

Designed to give the student an historical perspective on important issues in American education. Among these issues are the influence of class, race, gender, ethnicity, and exceptionality on educational attainment; the control of public education; the debate over public schools versus private schools; the status and work of teachers; and the role of education in social change. The student will relate the past to the present in analyzing these issues.

EDF 615 Sem in Ed Policy Studies 3 cr

This course offers advanced graduate students the opportunity to examine educational policy and policy-making from sociocultural, political, historical, philosophical, and comparative and international perspectives. After analyzing a common core of issues, students will investigate a topic of their choice using research skills from the educational foundations disciplines.

EDF 620 Compar-Internat Educ 3 cr

Comparative and International Education will examine different world cultures and nations and their educational systems. The course will explore the various outcomes of education (achievement, status, employment, living conditions) and will examine the world crisis in education. In all, a study of education from a world-wide perspective will help illuminate the educational purposes, programs, and achievements of schools in the United States.

EDF 690 Sp Top - 1 TO 3 cr

Course may vary in content or may be supervised study in one disciplinary area of educational foundations (e.g., history of education or anthropology of education) or in an interdisciplinary area (e.g., multicultural education). May be repeated for credit when course content varies.

EDF 694 Dir St and Research 1 TO 3 cr

Exploration of problems and issues of special interest or significance for advanced students. No more than three semester hours of any departmental 694 courses can be accepted toward a degree.

Educational Media (EDM) (EDM)

EDM 595A Internship A 1 cr

The internship is a supervised learning experience in a work setting similar to that in which a media specialist eventually will be employed.

Pre-requisite: EDM 581 Minimum Grade of B.

EDM 595B Internship B 1 cr

The internship is a supervised learning experience in a work setting similar to that in which a media specialist eventually will be employed.

Pre-requisite: EDM 580 Minimum Grade of B.

EDM 595C Internship C 1 cr

The internship is a supervised learning experience in a work setting similar to that in which a media specialist eventually will be employed.

Pre-requisite: EDM 583 Minimum Grade of B.

EDM 310 Microcomputing Systems 3 cr

Basic understanding of current and emerging technologies for instructional purposes. Requires a special fee.

EDM 312 Ed Tech - 3 cr

Application of current educational technology in various instructional environments. Laboratory experience is given with selected software programs. May be repeated when technological application changes.

EDM 385 Methods Instr Comm 3 cr

Application of current concepts in communication and instructional system design to elementary and secondary teaching. Operation of basic mediaware and overview of literature related to media use are stressed.

EDM 430 Workshop in Educ Media 1 TO 9 cr
In-depth study of operational experience in current trends and techniques in educational media research.

EDM 482 Prep Instr Materials 3 cr
Basic elements in the planning preparation, and evaluation of teacher-produced instructional materials.

EDM 490 Sp Top - 3 cr
Investigation of contemporary topics of interest in Educational Media. Requires permission of the department.

EDM 494 Dir St - 1 TO 3 cr
Directed study in Educational Media. No more than two directed studies can count toward the Bachelor's degree. Required departmental approval.

EDM 510 Microcomputing Systems in Ed 3 cr
Application of current and emerging technologies that support and enhance instruction and can be used to improve student achievement.

EDM 520 Research in Ed Tech 3 cr
Introduction to history and theories of computer use in education.

EDM 530 Workshop in Ed Media 1 TO 9 cr
In-depth study and operational experience in current trends and techniques in educational media research.

EDM 533 Curriculum Media for Children 3 cr
This course explores media used for learning and enjoyment with children in preschool through grade eight. Other topics include: the professional roles and responsibilities of a collection developer, the influence of child development and curriculum on collection development, an overview of the marketplace, strategies to encourage teachers to use media center materials in teaching, and related research.

EDM 540 Curr Media for Children & Yth 3 cr

EDM 552 Curr Media for Young Adults 3 cr
This course initiates or extends a student's knowledge of how to identify, select, and use library media resources for students in grades 6 through 12. Other topics include: the role of a library media specialist in establishing and maintaining a collection of resources; steps that can be taken to encourage students and teachers to use the collection; related research; and ways professionals can keep abreast of the latest knowledge, practices, and resources.

EDM 580 Information Literacy 3 cr
This course focuses on the role of the library media specialist in teaching students and instructional staff how to select, evaluate, and use information from print, non-print, and online sources. Emphasis is placed on information access, retrieval, and interpretation; advanced research techniques; copyright laws; and lessons and projects that utilize research information.

EDM 581 Media Center Management 3 cr
This course covers the procedures and routines for effective media center management, including acquiring, organizing, classifying, cataloging, maintaining, and inventorying a relevant collection. Other topics include: selecting resources to support the total curriculum and budget, responding to the needs of a school's demographic population, assisting students and teachers in the application of information skills, and applying the fundamentals of library design to achieve an effective environment for learning and leisure use.

EDM 582 Prod of Curriculum Media 3 cr
Provides instruction in the elements of planning, preparation and evaluation of professional circular materials for group and individual instruction.
Pre-requisite: EDM 510 Minimum Grade of B or EDM 520 Minimum Grade of B.

EDM 583 Library Media Programs 3 cr
This course covers the professional responsibilities for planning, implementing, and evaluating a library media program that serves a school program. Emphasis is placed on curriculum, leadership, environment, teaching and learning styles, a planning model, collaboration, staff development, program administration and evaluation activities, and ways in which research can be used to help shape an effective program.

EDM 584 Educational Technology Design 1 TO 3 cr
Design and evaluation of information technology hardware, software, and networked information resources that support classroom pedagogy, educational administrative services, and student learning.
Pre-requisite: EDM 520 Minimum Grade of B and ISD 581 Minimum Grade of B.

EDM 585 Admin Educ Media Center 3 cr
General practices and procedures for establishing, organizing and operating the media center. Students submit plans for hypothetical or actual situations.

EDM 590 Sp Top - 0 TO 3 cr
Presents topics of contemporary interest in the area of Educational Media.

EDM 591 Trends and Issues in Ed Tech 3 cr
Students will investigate current research as well as discuss emerging trends and developmental issues in the fields of educational media and instructional technology and their use as a pedagogical tool in P-12 schools.
Pre-requisite: EDM 510 Minimum Grade of B or ISD 581 Minimum Grade of B.

EDM 594 Dir St and Research - 1 TO 3 cr
Students explore problems and issues of special interest or significance in Educational Media. Not more than three semester hours may be accepted toward degree programs.

EDM 595 Internship - 1 TO 9 cr

The internship is a supervised learning experience in a work setting similar to that in which a media specialist eventually will be employed. Departmental approval is required.

EDM 599 Thesis 1 TO 9 cr

A student selects a project, study or investigation related to the area of specialization in Educational Media. The project forms a basis for the thesis. A thesis committee provides direction during the investigation and during the writing of the thesis.

EDM 610 Adv Prod Curric Media 3 cr

The planning, design and preparation of photographic and audio instructional materials will form the basis of comprehensive, sophisticated, software systems.

EDM 685 Administering Ed Media Center 3 cr

Practices and procedures for administering the educational media center.

EDM 689 Info Storage and Retrieval 3 cr

Examination and application of computer systems to school library media centers.

EDM 690 Sp Top - 3 cr

Presents topics of contemporary interest in the area of Educational Media.

EDM 696 Adv Ref and Selection Resource 3 cr

Bibliographic organization and reference use of professional resources in education, including governmental documents, publications of educational associations, professional journals and indices, research reports and computerized bibliographies.

EDM 698 Advanced Cataloging 3 cr

Modern trends in cataloging with emphasis on standards for cataloging and educational media.

EDM 699 Research Project 3 cr

Provides an opportunity to synthesize and apply the various program components in a selected instructional setting. May be repeated for a total of 6 semester hours.

Educational Psychology (EPY) (EPY)

EPY 251 Human Growth and Development 3 cr

A study of the physical, mental, social and emotional development of young people from conception to late adolescence.

EPY 315 The Adolescent in School 3 cr

Assists future educators to understand adolescent development and behavior of students in the middle and high schools. Issues and problems include the school's role in the social, emotional, and intellectual development of middle and secondary school students from diverse multicultural backgrounds; student-teacher and peer relationships; and the academic and vocational planning process.

EPY 351 Human Growth & Development 3 cr

A study of the physical, mental, social and emotional development of young people from conception to late adolescence.

EPY 355 Eval of Teaching-Learning 3 cr

The application of formative and summative evaluative concepts in building and interpreting tests in the educational setting.

EPY 455 Eval of Teaching-Learning - W 3 cr

The application of formative and summative evaluative concepts in building and interpreting tests in the educational setting.

EPY 490 Sp Top - 3 cr

Study of a significant topic, theory, model or problem in behavioral studies. May be repeated once for credit when content varies.

EPY 494 Directed Study 1 TO 3 cr

Directed individual study and research. Consent of department chair is required. (No more than two directed studies can be counted toward the Bachelor's degree and Class B Certificate).

EPY 502 Psy Prin Learning 3 cr

Psychology of learning as it pertains to education. Emphasis is on both the practical application of learning principles in educational and training classroom situations and theories of learning.

EPY 521 Human Dev and Behavior 3 cr

A study of the crucial developmental principles of human development and behavior focusing on: developmental tasks over the life span; growth patterns of the diverse subcultures emphasizing attitudes, values, and learning styles; family, school, and community impact on people of all ages living and growing in a multicultural society.

EPY 525 Assessment & Research in Educ 3 cr

This course is offered as part of the Alternative Masters Degree in Education. Upon completion of the course, students will be able to construct, evaluate, administer, and interpret classroom and school-related assessment. In addition, students will be prepared to be effective consumers of research reports, writings, and results in professional literature in their field.

EPY 555 Tests-Measurement and Eval 3 cr

Understanding and interpreting the meaning of test scores. Technical qualities desired in a test. Techniques for obtaining information about clients and/or students. Using this information in counseling, consulting, and teaching. Cultural bias in tests. Problems of testing and obtaining information about clients and/or students with diverse backgrounds.

EPY 556 Ed Testing - Wechsler Scales 3 cr

Includes basic theories of intelligence, basic concepts and principles of intelligence testing, extensive practice in administering, scoring and interpreting the Wechsler Adult Intelligence Scale, the Wechsler intelligence Scale for Children and the Wechsler Preschool and Primary Scales of Intelligence in a wide variety of educational settings. Pre-requisite: EPY 555 Minimum Grade of B.

EPY 557 Ind Intel Test -Stanford-Binet 3 cr

Includes basic theories of intelligence, basic concepts and principles of intelligence testing, extensive practice in administering, scoring and interpreting the Stanford-Binet Scale in a variety of educational settings. Competencies in consulting with professional personnel and with parents will be emphasized. Pre-requisite: EPY 555 Minimum Grade of B.

EPY 558 Ed Testing - Kaufman Scales 3 cr

The Kaufman Assessment Battery for Children and the Kaufman Adolescent and Adult Scale are the basic instruments used for extensive practice in administering, scoring, and interpretation of intelligence. The various theories of intelligence, especially those of Horn and Cattell, Luria, Sperry and Neisser are emphasized. Pre-requisite: EPY 555 Minimum Grade of B.

EPY 590 Sp Top - 3 cr

Guided supervision in the completion of learning tasks in educational psychology such as program design and revision, study of a significant topic, theory, model, and supervision of selected learning activities to acquire specific counseling and testing skills.

EPY 594 Dir St and Research 1 TO 3 cr

Students explore through directed study of problems and issues of special interest or significance in Educational Psychology. Not more than three semester hours of any departmental 594 courses can be accepted toward a degree program.

EPY 602 Advanced Theories of Learning 3 cr

A study of the major psychological theories, models, research and principles that apply to the teaching and learning process. Special attention will be given to cognitivist approaches. Pre-requisite: EPY 502 Minimum Grade of B.

EPY 610 Indiv Diff Among Learners 3 cr

Examination of individual and developmental differences as related to learning, performance and behavior. Intelligence attitudes, cognitive and learning styles, anxiety, prior knowledge, and locus of control are among the topics discussed. Models and methods for using learner characteristics in instructional design, teaching practices, and research are considered.

Instructional Sys Design (ISD) (ISD)

ISD 301 Trends & Issues in IDPI-W 3 cr

This is an introductory course that provides an overview of current trends, technology and issues in instructional design and performance improvement. Pre-requisite: EH 101 Minimum Grade of C and EH 102 Minimum Grade of C.

ISD 310 Instructional Design 3 cr

Instructional Design is a project-based course that includes step-by-step strategies to create instruction using the design models, instructional strategies, and technology applications. Students will explore the processes of analysis, design, development, implementation, and evaluation in order to apply real-world training solutions to actual instructional problems.

ISD 320 Training Interventions 3 cr

This course will provide students with experience in designing and developing facilitator-lead training interventions focused on improving performance in various contexts. Students will interact with a client in a professional manner and create a professional training session incorporating motivational strategies, instructional delivery methods, and appropriate assessment measures from initial contact needs assessment to final session evaluations.

ISD 340 Analysis, Assessment & Eval 3 cr

Students will learn how to make assessments of human attitudes, knowledge, and performance, analyze empirical data, and evaluate training and human performance programs.

ISD 350 Emerg Learning Technologies 3 cr

This course provides students with the skills and knowledge necessary to develop technology-based modules using different delivery methods for application in non-instructional and instructional training solutions. Pre-requisite: ISD 310 Minimum Grade of C.

ISD 360 Communication Skills in Org 3 cr

This course is designed to utilize theory and practice of communication in the processes of analysis, design, development, implementation and evaluation of instruction. Communication skills will be developed and applied in a practical setting.

- ISD 370 Distance and Mobile Learning** 3 cr
This course will identify and utilize innovative technologies related to distance and mobile learning in various job sectors and learning environments.
Pre-requisite: ISD 310 Minimum Grade of C.
- ISD 400 Portfolio Development** 1 cr
Students will create an online portfolio to showcase projects, assignments, and collaborations related to instructional design and performance improvement.
Pre-requisite: ISD 310 Minimum Grade of C.
- ISD 410 Org/Coordination Training** 3 cr
This course is designed to develop knowledge and competencies in the coordination of large-scale, comprehensive training programs.
Pre-requisite: ISD 320 Minimum Grade of C and ISD 340 Minimum Grade of C.
- ISD 420 Cultural Factors in IDD & HPI** 3 cr
This course will focus on the interaction of multicultural aspects of learning and teaching. Students will enhance their cognitive and affective awareness and understanding, as well as their personal acceptance of differences associated with the learning/teaching process. The ultimate goal is to prepare multiculturally competent designers of instruction for a global society.
- ISD 430 Psych of Learning in Organ-W** 3 cr
The course covers major theoretical perspectives in organizational psychology based on empirical research and case studies. Students will explore learning theory, group dynamics, and change in different types of learning organizations.
- ISD 440 Human Develop. Interventions** 3 cr
Students will learn and apply various human development theories and interpersonal skills related to the effective design of training interventions to improve learning and performance. A special area of emphasis will focus on students' own development experiences.
- ISD 450 Human Performance Tech** 3 cr
This course includes conducting various types of analysis in order to solve human performance problems by design on non-instructional interventions.
Pre-requisite: ISD 340 Minimum Grade of C.
- ISD 480 Learn Train & Perf Project** 3 cr
Students will complete a supervised field project on a topic related to instructional design and/or performance improvement.
- ISD 490 Special Topics** 3 cr
This course will allow faculty to work with students to explore current topics related to instructional design and performance improvement. Scholarly articles and current trends will be the basis for the designated learning outcome and end product.
Pre-requisite: ISD 310 Minimum Grade of C and ISD 350 Minimum Grade of C and ISD 360 Minimum Grade of C.
- ISD 495 Internship** 3 cr
The internship is a supervised learning experience in an actual or similar setting in which instructional design or performance improvement related professionals are employed.
Pre-requisite: EH 102 Minimum Grade of C.
- ISD 581 Digital Media Tools** 3 cr
This course helps students learn to use computers to design instruction.
- ISD 582 Evaluation of Digital Media** 3 cr
An advanced course in the development, use and evaluation of multimedia instruction.
- ISD 583 Interactive Video** 3 cr
This course involves digital editing and includes basic instruction in shooting, lighting and composing video sequences.
- ISD 584 Animation** 3 cr
An introductory course that provides students with an opportunity to acquire the skills necessary to develop animated interactive modules for use in instruction.
- ISD 585 Integr Tech in Teaching** 3 cr
The purpose of this course is to enable students with some technology background in computers to focus the use of a variety of technologies onto a specific content area of instruction. Students will demonstrate cognitive competency of curriculum integration, instructional design, and production techniques. Specific attention will be given to videodisc technology, AV and computer technology.
- ISD 590 Sp Top -** 3 cr
Topics of contemporary interest in the area of Educational Media will be presented, discussed and investigated.
- ISD 594 Dir St and Research** 1 TO 3 cr
Students explore problems and issues of special interest or significance in Instructional Design and Development. Not more than three semester hours may be accepted toward degree programs
- ISD 595 Internship - Masters** 1 TO 6 cr
The internship is a supervised learning experience in an actual or similar setting to that in which instructional designers or media administrators are employed
- ISD 598 Research and Dev Project** 1 TO 6 cr
A supervised field project, study or investigation on a topic related to Instructional Design and Development. Students will conduct an investigation which applies skills learned during the Instructional Design and Development Masters program.
- ISD 599 Thesis** 1 TO 3 cr
A student selects a project, study or investigation related to the area of specialization in Instructional Design and Development. The project forms a basis for the thesis. A thesis committee provides direction during the investigation and during the writing of the thesis.

- ISD 600 Learning Tools** 1 cr
This one-credit-hour course is designed to introduce students to some of the basic media tools that will help them with their coursework and in the work place. The course will typically be a series of two-hour class periods scheduled at somewhat regular intervals.
- ISD 601 Sem Instruct Design-Dev** 3 cr
Discussion and investigation of particular topics related to Instructional Design and Development.
- ISD 602 Writing For Instruction** 3 cr
Course serves as an overview and review of essential written communication skills needed by instructional design professionals.
- ISD 610 Trends and Issues in IDD** 3 cr
Discussion and investigation of history, current trends, and issues in instructional design and their implications for education and training.
- ISD 611 Macro Lvl Trning & Perform Sys** 3 cr
Course provides an overview of concepts and current issues related to the design and development of training and performance systems at the macro-level. Rather than focusing on specific, small-scale instructional or non-instructional interventions, students in this course will study learning and performance from a broad organizational perspective.
Pre-requisite: ISD 621 Minimum Grade of B and ISD 641 Minimum Grade of B.
- ISD 612 Alt Instructional Models** 3 cr
A comprehensive course detailing conventional and alternative instructional-design models. It is intended for advanced IDD students to further develop their skills and knowledge about ID models and to formulate their own epistemological beliefs as to how ID should occur.
Pre-requisite: ISD 622 Minimum Grade of B.
- ISD 613 Instructional Strategies** 3 cr
In this course, students explore the use of an assortment of instructional strategies to meet diverse learning needs.
- ISD 614 Human Cognition for IDD** 3 cr
A survey course of the cognitive science literature that is especially relevant for instructional designers and human performance technologists. The course covers major theoretical perspectives in cognitive science and has students read original empirical research. The goal is to enable IDD students to utilize the cognitive science literature in their careers.
Pre-requisite: EPY 502 Minimum Grade of B.
- ISD 620 Research in Instr Tech** 3 cr
Students collaborate with a graduate faculty member who is conducting research in the area of instructional design and development. May be repeated for credit.
- ISD 621 Instructional Design** 3 cr
Introductory course that focuses on a recognized model of instructional design. Includes emphasis on instructional analysis, instructional objectives, performance assessment, instructional strategies and sequences, and formative evaluation.
- ISD 622 Adv Instructional Design** 3 cr
Application of advanced instructional design models and procedures for needs assessment, instructional development, and evaluation in various instructional and learning environments using current learning tools.
Pre-requisite: ISD 621 Minimum Grade of B.
- ISD 623 Adv Research Methodology** 3 cr
A comprehensive course detailing advanced research methods and research. This course is specifically geared toward advanced IDD students who wish to develop the skills to properly design, propose, carry out, and critique scholarly research. The course covers the specifics of advanced research design and methods through a thorough analysis of empirical research. The goal is to equip IDD students with the research design skills to become successful scholars and researchers in their field.
Pre-requisite: IDE 510 Minimum Grade of B or IDE 620 Minimum Grade of B.
- ISD 640 Needs Assessment** 3 cr
The course focus is on conceptualization of needs analysis related to instructional and performance improvement issues in selected settings. Students collaboratively apply a needs assessment model to determine needs, causes, and solutions and report findings and recommendations.
- ISD 641 Performance Systems Tech** 3 cr
This course provides students with practical methods of analyzing and solving human performance problems. Emphasis is placed on development of both non-instructional and instructional interventions.
- ISD 642 Project Coordination** 3 cr
This course will develop knowledge and competencies in the coordination of large instructional projects. It is designed to enhance skills in the basic functions of instructional project coordination: planning, organizing, controlling, and directing.
- ISD 650 Computer-Based Training** 3 cr
A course for persons interested in the use of the computer to present instructional materials to students. Current learning theory as it pertains to authoring will be discussed.
- ISD 651 Learning Theory and Technology** 3 cr
This course will present techniques for the integration of instructional design theory and practice into the newer delivery systems including those using video and digitized media.
- ISD 652 Technology-Based Instruction** 3 cr
This course is a continuation of ISD 651. It concentrates on the additional skills and software necessary to develop and produce an original interactive instructional product.

ISD 653 Developing Online Instruction 3 cr

Developing online instruction using course management tools, multi-media technologies, and instructional design principles.

Pre-requisite: ISD 621 Minimum Grade of B.

ISD 655 Print and Screen Courseware 3 cr

Designing, producing and applying print and screen courseware. An analysis of graphic and instructional design principles and technologies, alternatives to conventional prose, learned capabilities, readability, formulate, and resource constraint analysis. Students design, develop, and apply print and screen courseware in instructional modules.

ISD 656 Training Interventions 3 cr

Practical experience in designing and implementing facilitator-led training in various large-scale organizations.

ISD 657 Teaching in Higher Education 3 cr

Theory and practice of pedagogy in higher education. Principles of the analysis, design, development, implementation, and evaluation of instruction will be addressed and then applied in a practical setting with a mentor instructor.

ISD 680 Emerging Technologies 3 cr

Course introduces students to emerging technological breakthroughs in education and training settings especially emphasizing the effects of future technologies.

ISD 682 Impact Emerging Technologies 3 cr

This course examines the impact of new digital technologies in education and training and prepares educators to use digital approaches in their institution.

ISD 694 Dir St and Research - 3 cr

Students explore problems and issues of special interest or significance in Instructional Design. Not more than three semester hours may be accepted toward degree program.

ISD 695 Internship - Doctoral 1 TO 6 cr

The internship is a supervised learning experience in an actual or similar setting to that which instructional designers or media administrators are employed.

Interdepartmental Educ (IDE) (IDE)

IDE 010 Reading Exam 0 cr

IDE 010 is a one hour reading exam that tests students' current proficiency in communication skills. Failure to complete the exam as scheduled, with a passing score, will require the students to re-register for IDE 010.

IDE 101 Freshman Seminar in Education 2 cr

Assists freshman with maximizing the student's potential to achieve success and to respond responsibly to the individual and interpersonal challenges presented by college life. Emphasis will be placed on study skills, time management, and writing skills. The course also provides information on the functions and resources of the University that support student academic success. Special emphasis is placed on orienting the student to the special roles and responsibilities of being an educator in today's society.

IDE 400 Positive Classroom Mgt 3 cr

Emphasis is placed on ways to create a class and school environment that encourages responsible student behavior. William Glasser's concept of Reality Therapy as a process for successful teacher-student involvement is examined.

IDE 510 Educ Research and Evaluation 3 cr

Course will examine research and evaluation methodology, its application to questions in education, and the application of research findings to problems in education. The students will read and evaluate research in education.

IDE 525 Fnds Teach Eng Sec Lang 3 cr

A comprehensive survey of current research, methodology and materials in the field of English as a Second Language.

IDE 540 Found of Career Education 3 cr

The underlying philosophies behind the career education movement and various approaches to career education are discussed. Ways to increase the career options available to individuals and to facilitate more rational and valid career planning and preparation, are explored through the career education phases: career awareness, career exploration, and career preparation.

IDE 590 Sp Top - 1 TO 3 cr

Current topics of special concern to educators. Not more than 6 hours may be earned in Special Topics courses.

IDE 594 Dir St and Research 1 TO 3 cr

Exploration of problems and issues of special interest or significance in education. Not more than 3 hours can be accepted for a degree.

IDE 597 Student Teaching - 3 TO 6 cr

Observation and supervised teaching in selected schools with opportunity for study and discussion of problems and issues encountered. Prerequisite: Permission of advisor.

IDE 615 Assess & Eval for Leaders 3 cr

This course will focus on the assessment and evaluation skills needed by educational leaders. The course will provide students with the knowledge and skills to carry out, and utilize effectively, the evaluations of programs, organizations, personnel, and students. The course will also cover how to create, interpret, and evaluate the reliability and validity of assessments.

- IDE 620 Quantitative Methods I** 3 cr
Basic quantitative methods for decision making in the educational environment. Computer application of basic descriptive and inferential statistics.
Pre-requisite: IDE 510 Minimum Grade of B or KIN 505 Minimum Grade of B.
- IDE 621 Quantitative Methods II** 3 cr
Basic research designs, with appropriate statistical analysis. The course will consider strategies needed for, but not limited to, the following: N-of-One research surveys and needs assessments; ex-post-facto designs, and true experimental designs.
Pre-requisite: IDE 620 Minimum Grade of B.
- IDE 630 Quantitative Methods III** 3 cr
An extensive examination of the nature and character of experimental design in educational research. Includes the development of appropriate analytical techniques.
Pre-requisite: IDE 620 Minimum Grade of B and IDE 621 Minimum Grade of B.
- IDE 631 Intro Qual/Mixed Methods Res** 3 cr
Introduces students to the major kinds of qualitative research and mixed methods research. Attention is given to underlying philosophies, methods of data collection, theoretical perspectives, research design, sampling, data analysis and interpretation, validity types and strategies, and writing research reports.
Pre-requisite: IDE 510 Minimum Grade of B or IDE 692 Minimum Grade of B.
- IDE 635 Adv Measurement and Eval** 3 cr
Nature and function of measurement in instructional design and development environments. Approaches to reducing test error, including establishing validity and reliability estimates. Item analysis and discrimination. Test development for norm-based and criterion-referenced tests. Knowledge of descriptive statistics required.
Pre-requisite: IDE 620 Minimum Grade of B.
- IDE 640 Instructional Development** 3 cr
Preparation of a modular program of instruction which incorporates all elements of the instructional-design process.
- IDE 645 Adv Human Perform Improvement** 3 cr
This course provides students with knowledge and skills related to human performance improvement in relation to instructional design profession. It provides an overview of foundational theories of industrial-organizational psychology, organizational behavior, and organizational development and change in relation to instructional design and performance improvement practices.
- IDE 650 Instructional Techniques** 3 cr
This course assists teachers in becoming more professional in instructional skills through the use of micro-teaching techniques and analysis of research in teaching.
- IDE 660 Program Research and Eval** 3 cr
Course strives to increase the effectiveness of instructional personnel in their use of research and evaluative techniques in instructional environments. Three major areas of focus are: the conceptualization of research and evaluative models appropriate for the population; the application of basic assessment concepts to the teaching- learning environment; and the analysis of basic applied research in evaluation.
Pre-requisite: IDE 510 Minimum Grade of B. IDE 510 can be taken concurrently with this course.
- IDE 665 Inter Techniques Instr Envrmts** 3 cr
This courses concentrates on developing three major areas: the examination of psychological underpinning of various communicative models and concepts; the practicing of interactional skills, such as active listening, congruent sending, and conflict resolution; the building of a communication model for the student's instructional environment.
- IDE 685 Ed Simulation and Games** 3 cr
Teaches the role and function of simulation and games as effective instructional and learning devices.
- IDE 690 Special Topics -** 1 TO 3 cr
Current topics of special concern to educators. Not more than 6 semester hours may be earned in Special Topics courses.
- IDE 692 Research Project Seminar** 3 cr
Survey of both current and classic research in education. Students will identify a research problem of significance in their area of specialization and develop a strategy or research design to solve this problem.
Pre-requisite: IDE 510 Minimum Grade of B.
- IDE 694 Dir St and Research** 1 TO 3 cr
Exploration of problems and issues of special interest or significance in education. Not more than 3 semester hours can be accepted for a degree.
- IDE 696 Internship-Masters/Doctoral-** 0 cr
The internship is a supervised learning experience in an actual or similar setting to that in which instructional designers or medial administrators are employed.
Prerequisite: Approval of internship coordinator.
- IDE 700 AU-USA Doctoral Program** 1 cr
Provides an opportunity for advanced graduate students and professors to pursue cooperatively selected concepts and theoretical formulations. May be repeated as necessary.
- IDE 710 Research Seminar I** 1 TO 6 cr
This course provides an introduction to doctoral study in IDD. Topics include graduate student socialization, nature of scholarship and scholarly writing, epistemology, sociology of knowledge, and systems theory as a meta-theory. Admission to doctoral program is required. 3 credit hours.

IDE 711 Research Seminar II 1 cr

This course is designed to help doctoral students think about their dissertation research, understand the process of reviewing the literature, and organizing and writing a dissertation-level research proposal. Prerequisite: Approval of student's dissertation advisor. 1 credit hour per semester for 3 semesters.

Pre-requisite: IDE 710 Minimum Grade of S.

IDE 790 Sp Top - 1 TO 3 cr

Current topics of special concern to educators. Not more than 6 semester hours may be earned in Special Topics courses.

IDE 792 Research Proj Seminar 3 cr

Survey of both current and classic research in education. Students will identify a research problem of significance in their area of specialization and develop a strategy or research design to solve this problem.

Pre-requisite: IDE 510 Minimum Grade of B.

IDE 794 Dir St and Research 1 TO 3 cr

Exploration of problems and issues of special interest or significance in education. Not more than 3 hours can be accepted for a degree.

IDE 799 Research-Dissertation 1 TO 9 cr

Independent research by the student under the sponsorship of the graduate faculty. Students are required to achieve doctoral candidacy before enrolling in the course. Requires faculty advisor approval.

Faculty

BILLINGSLEY, JOEL L.

Associate Professor

BS, University of South Alabama

MS, University of South Alabama

PHD, University of South Alabama

FREGEAU, LAUREEN A.

Associate Professor

BS, Stonehill College

MA, University of Mass-Boston

PHD, Pennsylvania State University

GASTON, JOSEPH P.

Assistant Professor

BA, University of South Alabama

MAT, Spring Hill College

EDS, University of West Florida

EDD, University of West Florida

JOHNSON, ROBERT B.

Professor

BS, University of Oregon

MS, Radford University

MA, Bowling Green St U-Main Campus

MPA, University of Michigan-Ann Arb

PHD, University of Georgia

MCDERMOTT, RYON C.

Associate Professor

BA, University of Kansas

MED, University of Houston

PHD, University of Houston

MOORE, PAMELA R.

Assistant Professor

BA, University of Mobile

MED, Alabama State University

EDS, University of West Florida

EDD, University of West Florida

MED, Alabama State University

STEFURAK, JAMES R.

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MED, University of Georgia

PHD, University of Georgia

VAN HANEGHAN, JAMES P.

Professor

BS, State University of New York

MA, State University of New York

PHD, University of Maryland-Bal Cnt

ZHA, SHENGHUA

Assistant Professor

BA, Huazhong Univ of Science and T

MA, Shanghai Jiao Tong Univ

PHD, University of Missouri-Columb