

MEMORANDUM

May 23, 2005

TO: Academic Deans Council

FROM: Dr. Timothy Chamblee
UCCC Chair

RE: Change Notice 6

Listed below are curriculum change proposals that have been recommended by the University Committee on Courses and Curricula. Under current procedure, members of the Academic Deans Council may question the approval of these proposals at any time prior to **5:00 p.m.** on June 3, 2005 by contacting the Committee's office (5-0831), or the office of the Vice President for Academic Affairs (5-3742). If no questions have been raised, the proposals will be considered to have been approved automatically.

AGRICULTURE AND LIFE SCIENCES

<p>DELETE EPP 4223/6223</p>	<p>Pest Control. (3). (Prerequisite: EPP 3113, PW 3133 or consent of instructor). Three hours lecture. Two hours laboratory for selected topics. Pesticide considerations, control, and control-related biology of structural and urban insect, rodent, and weed pests, and plant diseases.</p> <p>Effective: Fall 2005</p>
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ARTS AND SCIENCES

<p>MODIFY FROM: AN 4313/6313</p> <p>TO: AN 4313/6313</p>	<p>Human Identification. (3). Two hours lecture and three hours laboratory. Identification of each human bone and its fragments. Sex differences, age, changes in bone and dentition, dermatoglyphics, blood group systems, and paleopathology will be studied.</p> <p>Forensic Anthropology. (3). Two hours lecture and three hours laboratory. Identification of each human bone and its fragments. Study of sex differences, age, changes in bone and dentition, dermatoglyphics, blood group systems, and paleopathology.</p> <p>Effective: Fall 2005</p>
<p>MODIFY FROM: BIO 4608</p> <p>TO: BIO 4626</p>	<p>Hematology. (8). (Prerequisite: Completion of all preprofessional requirements). Four hours lecture. Eight hours laboratory. Normal and abnormal blood and bone marrow cells. Coagulation mechanisms. (Spring).</p> <p>Hematology. (8). (Prerequisite: Completion of all preprofessional requirements). Four hours lecture. Eight hours laboratory. Normal and abnormal blood and bone marrow cells. Coagulation mechanisms. (Spring).</p> <p>Effective: Fall 2005</p>

<p>MODIFY FROM: BIO 4616</p> <p>TO: BIO 4624</p>	<p>Immunohematology. (6). (Prerequisite: Completion of all preprofessional requirements). Three hours lecture. Six hours laboratory. Blood group serology, compatibility testing, and identification of atypical antibodies. Transfusion practices and blood group immunogenetics. First summer term.</p> <p>Immunohematology. (6). (Prerequisite: Completion of all preprofessional requirements). Three hours lecture. Six hours laboratory. Blood group serology, compatibility testing, and identification of atypical antibodies. Transfusion practices and blood group immunogenetics. First summer term.</p> <p>Effective: Fall 2005</p>
<p>MODIFY FROM: BIO 4618</p> <p>TO: BIO 4636</p>	<p>Clinical Chemistry. (8). (Prerequisite: Completion of all preprofessional requirements). Four hours lecture. Eight hours laboratory. Normal and abnormal human body chemistry. Emphasis on instrumentation. (Fall).</p> <p>Clinical Chemistry. (8). (Prerequisite: Completion of all preprofessional requirements). Four hours lecture. Eight hours laboratory. Normal and abnormal human body chemistry. Emphasis on instrumentation. (Fall).</p> <p>Effective: Fall 2005</p>
<p>MODIFY FROM: CH 1213</p> <p>TO: CH 1213</p>	<p>Chemistry I. (3). (Prerequisites: Placement exam or alternatively a minimum grade of B in CH 1043 and satisfying prerequisites for MA 1313). Three hours lecture. The principles of atomic and molecular structure, energetics, dynamics, and synthesis as related to chemical systems. Offered each semester.</p> <p>Chemistry I. (3). (Prerequisites: ACT Math subscore 22, or grade of C or better in MA 1313). Three hours lecture. The principles of atomic and molecular structure, energetics, dynamics, and synthesis as related to chemical systems. Offered each semester.</p> <p>Effective: Fall 2005</p>

ADD	HI 4193/6193	<p>U.S. Environmental History. (3). (Prerequisite: Any 1000-level history course). A survey of the impact of the environment in shaping the American culture, literature, politics, and economy from European colonization to the present.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 45.0802 24-CHARACTER ABBREVIATION: US Environmental History</p> <p>Effective: Spring 2006</p>
ADD	HI 4213/6213	<p>History of Grand Strategy & International Security. (3). (Prerequisite: Completion of any 1000-level history course or consent of instructor). Three hours seminar. A discussion of the historic literature of grand strategy and key events in the history of international relations.</p> <p>METHOD OF INSTRUCTION: S C.I.P. NUMBER: 54.0199 24-CHARACTER ABBREVIATION: Grand Strategy and Int. Sec.</p> <p>Effective: Fall 2005</p>
ADD	HI 8933	<p>Colloquium in Colonial and Revolutionary America. (3). A review of the major themes in the history and historiography of North America for the colonial period through the independence of the United States.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 54.0102 24-CHARACTER ABBREVIATION: Col. & Rev. America</p> <p>Effective: Fall 2005</p>

<p>ADD</p> <p>HI 8943</p>	<p>Colloquium in U.S. History from 1787-1877. (3). Review of the major themes in the history and historiography of the United States from the ratification of the Constitution to the end of Reconstruction.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 54.0102 24-CHARACTER ABBREVIATION: U.S. History, 1787-1877</p> <p>Effective: Fall 2005</p>
<p>ADD</p> <p>HI 8953</p>	<p>Colloquium in U.S. History from 1877-1945. (3). A review of the major themes in the history and historiography of the United States from the end of Reconstruction to the end of the Second World War.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 54.0102 24-CHARACTER ABBREVIATION: U.S. History, 1877-1945</p> <p>Effective: Fall 2005</p>
<p>ADD</p> <p>HI 8963</p>	<p>Colloquium in U.S. History from 1945-present. (3). A review of the major themes in the history and historiography of the United States from the end of World War II until the present.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 54.0102 24-CHARACTER ABBREVIATION: U.S. History since 1945</p> <p>Effective: Fall 2005</p>

<p>MODIFY FROM: MA 0103</p> <p>TO: MA 0103</p>	<p>Intermediate Algebra. (3). (MA 0103 is designed to prepare a student for MA 1313 College Algebra). Three hours lecture. Real numbers, algebraic expressions, factoring, algebraic fractions, linear equations/inequalities, quadratic equations, Pythagorean Theorem. Does not count toward any degree.</p> <p>Intermediate Algebra. (3). (MA 0103 is designed to prepare a student for MA 1313 College Algebra). Two hours lecture. Two hours laboratory. Real numbers, algebraic expressions, factoring, algebraic fractions, linear equations/inequalities, quadratic equations, Pythagorean Theorem. Does not count toward any degree.</p> <p>Effective: Fall 2005</p>
<p>MODIFY FROM: MA 1313</p> <p>TO: MA 1313</p>	<p>College Algebra. (3). (Students with credit in MA 1713 will not receive credit for this course. Prerequisite: ACT Math subscore 20, or grade of C or better in MA 0103). Three hours lecture. Review of fundamentals; linear and quadratic equations; inequalities; functions; simultaneous equations; topics in the theory of equations.</p> <p>College Algebra. (3). (Students with credit in MA 1713 will not receive credit for this course. Prerequisite: ACT Math subscore 20, or grade of C or better in MA 0103). Two hours lecture. Two hours laboratory. Review of fundamentals; linear and quadratic equations; inequalities; functions; simultaneous equations; topics in the theory of equations.</p> <p>Effective: Fall 2005</p>

<p>MODIFY FROM: MA 3163</p> <p>TO: MA 3163</p>	<p>Introduction to Modern Algebra. (3). (Prerequisite: MA 3113). Three hours lecture. Rings, integral domains, and fields with special emphasis on the integers, rational numbers, real numbers and complex numbers; theory of polynomials.</p> <p>Introduction to Modern Algebra. (3). (Prerequisite: MA 3113 and MA 3053). Three hours lecture. Rings, integral domains, and fields with special emphasis on the integers, rational numbers, real numbers and complex numbers; theory of polynomials.</p> <p>Effective: Fall 2005</p>
<p>ADD: PSY 4753/6753</p>	<p>Applied Cognitive Psychology. (3) (Prerequisite: PSY 3713 or IE 4113 or consent of instructor). Three hors lecture. Human perceptual, cognitive, and motor capabilities and limitations are described with particular emphasis on the implications of developing effective, user-friendly man-machine systems.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 42.0301 24-CHARACTER ABBREVIATION: Applied Cognitive Psych</p> <p>Effective Date: Fall 2005</p>
<p>ADD: PSY 8731</p>	<p>Applied Cognitive Science Research Seminar. (1) One hour seminar. Presentations of research in applied cognitive science.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 42.0301 24-CHARACTER ABBREVIATION: Appl Cognitive Rsh Sem</p> <p>Effective Date: Fall 2005</p>

BUSINESS AND INDUSTRY

<p>ADD IB 1001</p>	<p>Introduction to International Business. (1) One hour survey. (Prerequisite: International Business major). Introduction to International Business to prepare the entering class academically and professionally for successful performance.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 52.0201 24-CHARACTER ABBREVIATION: Intro to Internation Bus</p> <p>Effective Date: Fall 2005</p>
<p>ADD MGT 4563</p>	<p>Staffing in Organizations. (3). (Prerequisites: MGT 3114 and MGT 3513). Three hours lecture. Study of the staffing function in organizations, with emphasis on human resource planning, recruitment, and selection.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 52.0201 24-CHARACTER ABBREVIATION: Staffing in Org</p> <p>Effective: Fall 2005</p>

EDUCATION

<p>MODIFY FROM: EDS 4886/4896 EDX 4887/4898 HS 4886/4896 MUE 4886/4896 PE 4886/4896 TKT 4886/4896</p> <p>TO: EDS 4886, 4896 EDX 4887, 4898 HS 4886, 4896 MUE 4886, 4896 PE 4886, 4896 TKT 4886, 4896</p>	<p style="text-align: center;">Course Name Change Only</p> <p>Student Teaching in Secondary Education Student Teaching in Special Education Student Teaching in Vocational Human Sciences Student Teaching in Music Education Student Teaching in Physical Education Student Teaching in Vocational/Technical Education</p> <p>Teaching Internship in Secondary Education Teaching Internship in Special Education Teaching Internship in Vocational Human Sciences Teaching Internship in Music Education Teaching Internship in Physical Education Teaching Internship in Vocational/Technical Education</p> <p>24 Character Abbreviation: Internship in Sec Ed Internship in Spec Ed Internship in Human Sci Internship in Music Ed Internship in PE Internship in Voc/Tec Ed</p> <p>Effective: Fall 2004</p>
<p>DELETE EDE 2511</p>	<p>Introduction to Elementary Education. (1). One hour lecture. Field based. Introduction to elementary education with emphasis on observation of elementary age children and participation in classroom activities. Provisions will be made for discussion of observations and participation</p> <p>Effective: Fall 2005</p>

<p>MODIFY FROM: EDE 3123</p> <p>TO: EDE 3123</p>	<p>Practicum: Early Childhood Education. (3). (Prerequisite: Admission to teacher education). Two hours lecture. Two hours laboratory. Overview of purposes, needs and methodology for early education; study of good schools for young children with emphasis on kindergarten/primary education through practicum experiences.</p> <p>Early Childhood Education. (3). (Prerequisite: Admission to Teacher Education. Co-requisite: RDG 3113 and RDG 3123). Three hours lecture. Overview of early childhood education. Understanding young learners and creating learning environments. Assessing young children. Field experience.</p> <p>24 Character Abbreviation: Early Childhood Ed</p> <p>Effective: Fall 2005</p>
<p>MODIFY FROM: EDE 3223</p> <p>TO: EDE 3223</p>	<p>Middle Grades Education. (3) (Prerequisite: Admission to Teacher Education). Understanding the learning needs of middle grades children (grades 4-8); study of appropriate teaching strategies, engaging learning environments, and assessment for middle grades children.</p> <p>Middle Level Education. (3) (Prerequisite: Admission to Teacher Education. Corerequisite: RDG 3413 and 3423). Understanding the learning needs of young adolescents (grades 4-8); study of appropriate teaching strategies, engaging learning environments, and assessment for young adolescents.</p> <p>24 Character Abbreviation: Middle Level Ed</p> <p>Effective: Fall 2005</p>

<p>MODIFY FROM: EDE 3233</p> <p>TO: EDE 3233</p>	<p>Teaching Children’s Literature. (3). (Prerequisite: Admission to Teacher Education). Three hours lecture. Children’s reading interests; nursery rhymes; verse; tales and legends; current literature for children in elementary schools. Admission to Teacher Education required.</p> <p>Teaching Children’s Literature at the Elementary and Middle Levels. (3). (Prerequisite: Admission to Teacher Education required (for elementary education majors only)). Three hours lecture. Teaching children’s literature at the elementary and middle levels. Introduction, selection, presentation, and utilization of a variety of children’s literature.</p> <p>24 Character Abbreviation: Children Lit Ele/Mid Lvl</p> <p>Effective: Fall 2005</p>
<p>MODIFY FROM: EDE 3443</p> <p>TO: EDE 3443</p>	<p>Creative Arts in Elementary School. (3) (Prerequisite: Admission to Teacher Education). Two hours lecture. Two hours laboratory. Study and creative work in simple media suitable for children in the elementary school.</p> <p>Creative Arts for Elementary and Middle Levels. (3) (Prerequisite: Admission to Teacher Education). Three hours lecture. An exploration of musical and artistic elements utilizing a variety of multicultural music, dance, drama, and aesthetic visuals. (Same as MU 3123).</p> <p>24 Character Abbreviation: Create Arts Elem/Mid Lvl</p> <p>Effective Date: Fall 2005</p>

<p>MODIFY FROM: EDE 4113</p> <p>TO: EDE 4113</p>	<p>Science for Children. (3). (Prerequisite: Concurrent enrollment in EDE 4143, EDE 4133, and EDE 4123; admission to Teacher Education). Field Based. Selection, organization and presentation of natural science content for elementary school children; assessment of pupil progress and general effectiveness of instruction.</p> <p>Teaching Elementary and Middle Level Science. (3) (Prerequisite: Concurrent enrollment in EDE 4143, EDE 4133, and EDE 4123; admission to Teacher Education). Two hours lecture. Two hours laboratory. Field-based. Selection, organization and presentation of natural science content for elementary and middle school students; assessment of student learning, general effectiveness if instruction.</p> <p>24 Character Abbreviation: Teach Elem/Mid Lvl Sci</p> <p>Effective Date: Fall 2005</p>
<p>MODIFY FROM: EDE 4123</p> <p>TO: EDE 4123</p>	<p>Elementary School Arithmetic. (3) (Prerequisite: Concurrent enrollment in EDE 4113, EDE 4133, and EDE 4143). Field-based. Selection, organization and presentation of content in elementary school mathematics; assessment of pupil progress and general effectiveness of instruction.</p> <p>Teaching Elementary and Middle Level Mathematics. (3). (Corequisite: EDE 4113, EDE 4143, and RDG 4133). Two hours lecture. Two hours laboratory. Field based. The content and process of mathematics instruction for elementary and middle grades children; teaching principles, mathematical tools, and assessment of student progress.</p> <p>24 Character Abbreviation: Teach Elem/Mid Lvl Math</p> <p>Effective Date: Fall 2005</p>

<p>MODIFY FROM: EDE 4133</p> <p>TO: RDG 4133</p>	<p>Language Arts. (3) (Prerequisite: Concurrent enrollment in EDE 4113, EDE 4123, and EDE 4143; admission to Teacher Education). Field-based. Selection, organization and presentation of content in the language arts for elementary school children; assessment of pupil progress and general effectiveness of instruction.</p> <p>Integrating Language Arts Instruction in the Content Areas. (3). (Corequisite: EDE 4113, EDE 4123, and EDE 4143). Two hours lecture. Two hours laboratory. Field based. Selection, organization, teaching, and assessment for integrating language arts across the content areas – K-8; general effectiveness of and reflection about instructional practices.</p> <p>24 Character Abbreviation: Language Arts Instruct</p> <p>Effective Date: Fall 2005</p>
<p>MODIFY FROM: EDE 4143</p> <p>TO: EDE 4143</p>	<p>Social Studies in the Elementary School. (3) (Prerequisite: Concurrent enrollment in EDE 4113, EDE 4123, and EDE 4133; admission to Teacher Education). Field-based. Selection, organization and presentation of social studies content for elementary school children; assessment of pupil progress and general effectiveness of instruction.</p> <p>Teaching Elementary and Middle Level Social Studies. (3). (Corequisite: EDE 4113, EDE 4123, and RDG 4133). Two hours lecture. Two hours laboratory. Field based. Selection, organization and presentation of social students content for K-8 students; assessment of student learning; effective instruction.</p> <p>24 Character Abbreviation: Teach Elem/Mid Soc Study</p> <p>Effective Date: Fall 2005</p>

ADD	EDE 4883	<p>Managing the Elementary and Middle Level Classroom. (3) (Prerequisite: Admission to Teacher Education, completion of all professional development courses, and concurrent enrollment in EDE 4880). Three hours lecture. Developing and managing an appropriate learning environment for elementary and middle level students.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 13.1202 24-CHARACTER ABBREVIATION: Manag Elem/Mid Lvl Class</p> <p>Effective: Fall 2005</p>
ADD:	EDE 4886/4896	<p>Elementary and Middle Level Teaching Internship. (6,6) (Prerequisite: Completion of all professional education courses. Corequisite: EDE 4883). Twelve hours internship. A supervised observation and teaching experience in an elementary and/or middle level classroom.</p> <p>METHOD OF INSTRUCTION: E C.I.P. NUMBER: 13.1202 24-CHARACTER ABBREVIATION: Elem/Mid Lvl Internship</p> <p>Effective: Fall 2005</p>
DELETE	EDE 4887/4888	<p>Student Teaching in Elementary Education. (7,8) (Both courses to be taken concurrently). (Prerequisite: Admission to teacher education and completion of all professional courses). Supervised observation and directed teaching in elementary school classrooms; periodic seminars to include legal, professional, administrative, and curriculum issues in the elementary school.</p> <p>Effective: Fall 2005</p>

<p>MODIFY FROM: EDF 3243</p> <p>TO: EDF 4243/6243</p>	<p>Planning and Managing Learning. (3). A study of variables contributing to efficiency and competency in planning for and managing of teacher learner activities.</p> <p>Planning for the Diversity of Learners. (3). Three hours lecture. Study of variables contributing to the creation and management of a positive learning environment for the complexity and diversity of middle and high school students.</p> <p>24 Character Abbreviation: Plan for Diverse Learner</p> <p>Effective: Fall 2005</p>
<p>ADD EDF 3423</p>	<p>Exploring Diversity Through Writing. (3) (Prerequisite: Admission to Teacher Education. Corequisite: EDF 3333) Three hours lecture. Using writing to explore issues of diversity in the classroom. Creating a learning community for diverse learners.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 13.1202 24-CHARACTER ABBREVIATION: Exploring Diversity</p> <p>Effective: Fall 2005</p>

<p>MODIFY FROM: EDF 9453</p> <p>TO: EDF 9453</p>	<p>Qualitative Techniques in Educational Research. (3). (Prerequisites: EPY 8214, EDF 9373). Three hour lecture. Theoretical considerations and applied methods, techniques, and analysis of field based educational research.</p> <p>Introduction to Qualitative Research in Education. (3). (Prerequisites: EPY 8214, EDF 9373). Three hour lecture. Introduction to qualitative research, including theoretical considerations and applied methods, techniques, and analysis of field-based educational research.</p> <p>24 Character Abbreviation: Intro Qual Research Ed</p> <p>Effective: Fall 2005</p>
<p>ADD EDF 9463</p>	<p>Qualitative Data Collection in Education. (3). (Prerequisite: EDF 9453). Three hours lecture. An in-depth examination of interviewing and observation as two primary qualitative data sources in educational settings.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 13.0601 24-CHARACTER ABBREVIATION: Qual Data Collection Ed.</p> <p>Effective: Fall 2005</p>
<p>ADD EDF 9473</p>	<p>Qualitative Data Analysis and Presentation in Education. (3). (Prerequisite: EDF 9463). Three hours lecture. Examination, application, and assessment of a range of approaches to analysis and presentation in the design of qualitative research studies in educational settings.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 13.0601 24-CHARACTER ABBREVIATION: Qual Data Anlys Pres Ed</p> <p>Effective: Fall 2005</p>

<p>MODIFY FROM: EDS 3411</p> <p>TO: EDS 3411</p>	<p>Practicum in Secondary Education. (1). Field-based observation. (20 hours) of secondary age children and participation in classroom activities prior to the directed teaching.</p> <p>Practicum in Secondary Education. (1). (Prerequisite: Admission to Teacher Education. Co-requisite: EPY 3143). One hour lecture. Field-based. An introduction to the organization and activities of middle and secondary schools.</p> <p>Effective: Fall 2005</p>
<p>ADD EDS 3633</p>	<p>Secondary Mathematics Education. (3) (Prerequisite: Admission to Teacher Education. Corequisite: EDF 4243/6243 and RDG 3513). Three hour lecture. Examine the concepts and tools used to teach mathematics in the secondary classroom, connections between algebra and geometry concepts, and national and state mathematics standards.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 13.1205 24-CHARACTER ABBREVIATION: Secondary Math Ed</p> <p>Effective: Fall 2005</p>
<p>ADD EDS 3643</p>	<p>Secondary Social Studies Education. (3). (Prerequisite: Admission to Teacher Education, EDS 3411, and EPY 3143. Corequisite: EDF 4243/6243 and RDG 3513). Three hours lecture. An introduction to the history, purposes, and current issues associated with middle and secondary social studies education.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 13.1205 24-CHARACTER ABBREVIATION: Secondary Soc Studies Ed</p> <p>Effective: Fall 2005</p>

ADD	EDS 3653	Secondary Science Education. (3). (Co-requisite: RDG 3513 and EDF 4243). Three hours lecture. Fundamentals of science education including the National Science Education Standards and NSTA recommendations required for teaching science in grades 7-12. METHOD OF INSTRUCTION: C C.I.P. NUMBER: 13.1205 24-CHARACTER ABBREVIATION: Secondary Science Ed. Effective: Fall 2005
ADD	EDS 3673	Secondary Language Arts Education. (3). (Prerequisite: Admission to Teacher Education, EPY 3143, EDF 3333, EDS 3411. Corequisite: EDF 4243, EDX 3213 RDG 3513). Three hours lecture. Essential knowledge, skills, and attitudes necessary for the successful teaching of the language arts. METHOD OF INSTRUCTION: C C.I.P. NUMBER: 13.1205 24-CHARACTER ABBREVIATION: Second Language Arts Ed Effective: Fall 2005

<p>MODIFY FROM: EDS 4633/6633</p> <p>TO: EDS 4633/6633</p>	<p>Teaching of Mathematics. (3). Three hours lecture. Field based. Aims and purposes of teaching mathematics in high school, curriculum problems, organization and presentation of subject matter, methods of teaching and evaluation.</p> <p>Methods of Teaching Mathematics. (3). (Prerequisites: Admission to Teacher Education and EDF 4243/6243, RDG 3513 and EDS 3633. Co-requisite: EPY 3253). Three hour lecture. Field based. Aims and purposes of teaching mathematics at the secondary level, curriculum problems, organization and presentation of subject matter, methods of teaching and evaluation.</p> <p>24 Character Abbreviation: Methods Teach Math</p> <p>Effective: Fall 2005</p>
<p>MODIFY FROM: EDS 4643/6643</p> <p>TO: EDS 4643/6643</p>	<p>Teaching of Social Studies. (3). Admission to Teacher Education required. Three hours lecture. Field-based (50 hours). Purposes and objectives of social studies; program includes methods, techniques, and materials. Designed primarily for secondary school teachers.</p> <p>Methods of Teaching Social Studies. (3). (Prerequisite: Admission to Teacher Education, EDS 3411, EPY 3143, EDF 4243/6243, RDG 3513, and EDS 3643. Co-requisite: EPY 3253). Three hours lecture. Field based. An examination of teaching methods and instructional materials and media appropriate for use in middle and secondary social studies classrooms.</p> <p>24 Character Abbreviation: Method Teach Soc Studies</p> <p>Effective: Fall 2005</p>

<p>MODIFY FROM: EDS 4653/6653</p> <p>TO: EDS 4653/6653</p>	<p>Teaching of Science. (3). Three hours lecture. Field based. Aims and techniques of teaching science in high schools including selection, organization, and presentation of subject matter.</p> <p>Methods of Teaching Science. (3). (Co-requisite: EPY 3253). Three hours lecture. Field based. Students will gain insight into the methods of teaching science in grades 7-12, including selection, organization, presentation and assessment required by NSES.</p> <p>24 Character Abbreviation: Method Teach Science</p> <p>Effective: Fall 2005</p>
<p>MODIFY FROM: EDS 4673/6673</p> <p>TO: EDS 4673/6673</p>	<p>Teaching Language Arts. (3). Three hours lecture. Field based. Objectives of English; includes content, organization, methods of teaching language, literature, and composition. Designed primarily for secondary school teachers of language arts, foreign language, and speech.</p> <p>Methods of Teaching Languages Arts. (3). (Prerequisite: EDS 3673; EPY 3253). Three hours lecture. Field based. Objectives of English/Language Arts; content, organization, methods of teaching language, literature, and composition. Primarily for secondary teachers of language arts, foreign language, and speech.</p> <p>24 Character Abbreviation: Method Teach Lang Arts</p> <p>Effective: Fall 2005</p>

<p>MODIFY FROM: EDS 4873</p> <p>TO: EDS 4873</p>	<p>Professional Seminar in Secondary Education. (3). (Prerequisites: Admission to Teacher Education and senior standing). To be taken concurrently with EDS 4886 and EDS 4896). Three hours lecture. A seminar dealing with legal, professional, administrative, and curriculum issues as they relate to secondary education in the schools.</p> <p>Seminar in Managing the Secondary Classroom. (3). (Prerequisites: Admission to Teacher Education. Co-requisite: EDS 4886 and EDS 4896). Three hours lecture. A seminar that addresses classroom management issues, theories, and practices.</p> <p>24 Character Abbreviation: Managing Secondary Class</p> <p>Effective: Fall 2005</p>
<p>MODIFY FROM: MU 3123</p> <p>TO: MU 3123</p>	<p>Basics of Music. (3) (Admission to teacher education required). Three hours lecture. An exploration of basic musical elements through listening, singing, movement, and playing rhythm. Melodic and ethnic instruments, utilizing a variety of multicultural and orchestral music.</p> <p>Creative Arts for Elementary and Middle Levels. (3) (Prerequisite: Admission to Teacher Education). Three hours lecture. An exploration of musical and artistic elements utilizing a variety of multicultural music, dance, drama and aesthetic visuals. (Same as EDE 3443).</p> <p>24 Character Abbreviation: Create Arts Elem/Mid Lvl</p> <p>Effective Date: Fall 2005</p>

<p>MODIFY FROM: PE 4883</p> <p>TO: PE 4883/6883</p>	<p>School Health Education. (3) (Prerequisite: PE 2003 or consent of instructor). Three hours lecture. Preparation for prospective teachers in planning, implementing, and evaluating all aspects for comprehensive school education.</p> <p>School Health Education. (3) (Full Admission to teacher education). Three hour lecture Preparation for prospective teachers in planning, implementing and evaluating all aspects for comprehensive school education.</p> <p>Effective: Fall 2005</p>
<p>MODIFY FROM: RDG 3113</p> <p>TO: RDG 3113</p>	<p>Foundations of Literacy. (3) (Prerequisite: Admission to Teacher Education). Three hours lecture. Foundations of literacy learning and teaching; emergent literacy.</p> <p>Early Literacy Instruction I. (3) (Prerequisite: Admission into Teacher Education. Corequisite: RDG 3123 and EDE 3213). Three hours lecture. Field experience. Foundational knowledge of the English linguistic system. Methods/materials for teaching systematically the oral/written language connection, concepts about print, phonological/orthographic awareness, phonics principles.</p> <p>24 Character Abbreviation: Early Lit Instruction I</p> <p>Effective Date: Fall 2005</p>

<p>ADD: RDG 3123</p>	<p>Early Literacy Instruction II. (3). (Prerequisite: Admission into Teacher Education. Corequisite: RDG 3113 and EDE 3123). Three hours lecture. Field based. Concepts, materials, and teaching strategies for oral language development and early systematic reading and writing instruction specific to vocabulary, fluency, and comprehension.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 13.1202 24-CHARACTER ABBREVIATION: Early Lit Instruction II</p> <p>Effective Date: Fall 2005</p>
<p>DELETE RDG 3213</p>	<p>Teaching of Literacy. (3). (Prerequisite: RDG 3113). Three hours lecture. Literacy teaching and learning for upper elementary and middle school.</p> <p>Effective: Fall 2005</p>
<p>ADD: RDG 3413</p>	<p>Middle Level Literacy I. (3) (Prerequisite: RDG 3113 and RDG 3123; Corequisite: RDG 3423, EDE 3223). Three hours lecture. Literacy teaching and learning for upper elementary and middle school. Emphasis on reading instruction, strategy instruction, and assessment. Field experience.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 13.1203 24-CHARACTER ABBREVIATION: Middle Lvl Lit I</p> <p>Effective Date: Fall 2005</p>

<p>ADD: RDG 3423</p>	<p>Middle Level Literacy II. (3) (Prerequisite: RDG 3113 and RDG 3123; Corequisite: 3413 and EDE 3223). Three hours lecture. Instructional strategies and materials for teaching literacy in the elementary and middle school. Focus on writing, comprehension and teaching diverse students. Field experience.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 13.1203 24-CHARACTER ABBREVIATION: Middle Lvl Lit II</p> <p>Effective Date: Fall 2005</p>
<p>ADD: TKI 1213</p>	<p>Introduction to Industrial Technology. (3). Three hours lecture. Study of fundamental industrial safety and health principles preparing the student for working in industry.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 15.0612 24-CHARACTER ABBREVIATION: Intro to Industrial Tech</p> <p>Effective Date: Fall 2005</p>
<p>ADD: TKI 2113</p>	<p>Introduction to PLC/CNC Programming. (3). Three hours lecture. Study of fundamental methods in the programming of industrial PLC and CNC controllers, with regard to language and logic.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 15.0612 24-CHARACTER ABBREVIATION: Intro to PLC/CNC Program</p> <p>Effective Date: Fall 2005</p>

<p>ADD: TKI 3343</p>	<p>CAD/CAM. (3). Two hours lecture. Two hours laboratory. Basic to intermediate drafting and design techniques using CAD and CAM software, with special emphasis placed on tolerancing, dimensioning, and manufacturing processing routes and selection.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 15.0612 24-CHARACTER ABBREVIATION: CAD/CAM</p> <p>Effective Date: Fall 2005</p>
<p>ADD: TKI 3383</p>	<p>Forecasting and Cost Modeling. (3) (Prerequisite: MGT 3114). Two hours lecture. Two hours laboratory. Use of the higher functions of spreadsheet software to undertake costing of manufacturing process routes and to forecast changes in manufacturing scenarios.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 15.0612 24-CHARACTER ABBREVIATION: Forecast & Cost Modeling</p> <p>Effective Date: Fall 2005</p>
<p>ADD: TKT 9213</p>	<p>Foundations, Trends, & Issues in Workforce Development, Technology and Leadership Education. (3). Three hours lecture. This course examines the foundations, trends and issues in workforce, technology and leadership education and their impact on teaching and learning.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 13.1309 24-CHARACTER ABBREVIATION: Found Trend & Issu ISLWD</p> <p>Effective: Fall 2005</p>

ENGINEERING

<p>MODIFY FROM: ASE 1023</p> <p>TO: ASE 1023</p>	<p>Introduction to Flight Mechanics. (3). (Prerequisite: ASE 1013). Three hours lecture. Three hours laboratory. Introduction to airfoils, wings, and other aerodynamic shapes, elements of airplane performance, principles of stability and control, applications of computer modeling, computational tools, historical perspectives.</p> <p>Introduction to Flight Mechanics. (3) (Prerequisite: ASE 1013, grade of C or better in MA 1713, and current enrollment or grade of C or better in both MA 1723 and PH 2213). Three hours lecture. Three hours laboratory. Introduction to airfoils, wings, other aerodynamic shapes, elements of airplane performance, principles of stability and control, applications of computer modeling, computational tools, historical perspectives.</p> <p>Effective: Fall 2005</p>
<p>MODIFY FROM: ASE 2013</p> <p>TO: ASE 2013</p>	<p>Astrodynamics, Propulsion and Structures. (3) (Prerequisite: ASE 1023). Three hours lecture. Three hours laboratory. Introduction to space flight (astronautics), propulsion, flight vehicle structures and materials, and hypersonic vehicles, application of computer modeling, computational tools, with historical perspectives.</p> <p>Astrodynamics, Propulsion and Structures. (3) (Prerequisite: ASE 1023 and a grade of C or better in MA 1723 and PH 2213). Three hours lecture. Three hours laboratory. Introduction to space flight (astronautics), propulsion, flight vehicle structures and materials, and hypersonic vehicles, application of computer modeling, computational tools, with historical perspectives.</p> <p>Effective: Fall 2005</p>

<p>MODIFY FROM: ASE 3123</p> <p>TO: ASE 3123</p>	<p>Static Stability and Control. (3). (Prerequisite: ASE 2013, EM 2433). Three hours lecture. Longitudinal, directional, and lateral static stability and control; related aerodynamics; maneuvering flight; introduction to dynamic stability and control analysis methods; general equation of unsteady motion.</p> <p>Static Stability and Control. (3). (Prerequisite: ASE 2013, EM 2433, credit or registration in EM 3413). Three hours lecture. Longitudinal, directional, and lateral static stability and control; related aerodynamics; maneuvering flight; introduction to dynamic stability and control analysis methods; general equation of unsteady motion</p> <p>Effective: Fall 2004</p>
<p>ADD ASE 6013</p>	<p>Directed Project in Aerospace Engineering. (3). (Contact hours and title to be arranged). An individual professional project open only to candidates for the Master of Science degree (non-thesis option). Formal written and oral project reports are required.</p> <p>METHOD OF INSTRUCTION: I C.I.P. NUMBER: 14.0201 24-CHARACTER ABBREVIATION: Directed Project in ASE</p> <p>Effective: Fall 2005</p>
<p>ADD IE 4923/6923</p>	<p>Six Sigma Methods and Project. (3). (Prerequisites: IE 4623/6623, IE 4653/6653). One hour lecture. Four hours laboratory. Introduction of six sigma and problem solving methodologies. Application of learned methodologies in selecting, performing, and completing a process involvement project.</p> <p>METHOD OF INSTRUCTION: B C.I.P. NUMBER: 14.0701 24-CHARACTER ABBREVIATION: Six Sigma Project</p> <p>Effective: Fall 2005</p>

FOREST RESOURCES

<p>MODIFY FROM: FO 4463/6463</p> <p>TO: FO 4463/6463</p>	<p>Forest Hydrology. (3). (Prerequisite: PSS 3301/3303, FO 4223/6223, FO 4221/6221 or consent of instructor). Three hours lecture. Synthesis of current information on the fundamental properties and processes of forest soils, hydrology, and water quality with emphasis on watershed and ecosystem management factors.</p> <p>Forest Hydrology and Watershed Management. (3) (Prerequisite: PSS 3301, PSS 3303. Credit or enrollment in FO 4223/6223, FO 4221/6221 or consent of instructor). Synthesis of fundamental properties and processes of forest soils, hydrology, and water resources at site-specific, ecosystem and landscape scales.</p> <p>24 Character Abbreviation: Forest Hydro & Water Mgt</p> <p>Effective: Fall 2005</p>
<p>REVIEW FO 8133</p>	<p>Forest Ecophysiology. (3). (Prerequisite: FO 4432/6432, BIO 4214/6214, or Consent of Instructor). Three hours lecture. Fall semester. An exploration of environment-plant interactions, and physiological mechanisms for injury from, and resistance to, environmental stress, with emphasis on forest communities.</p> <p>Effective: Fall 2005</p>

DEGREE PROPOSALS:

MODIFY	College of Ag & Life Sciences, Ph.D. Animal Physiology	Modification to degree program to act as an umbrella to consolidate existing Ph.D. programs and to reflect changes that occurred in the C.I.P areas in 2000. Fall 2005
MODIFY	College of Ag & Life Sciences, Ph.D. Nutrition	Modification to degree program to act as an umbrella to consolidate existing Ph.D. programs and to reflect changes that occurred in the C.I.P areas in 2000. Fall 2005
MODIFY	College of Ag & Life Sciences, Ph.D. Plant and Soil Sciences	Modification to degree program to act as an umbrella to consolidate existing Ph.D. programs and to reflect changes that occurred in the C.I.P areas in 2000. Fall 2005
MODIFY	College of Arts & Sciences, B.S. Chemistry (without ACS Certification)	Change in curriculum to meet IHL 124-hour degree requirement. Fall 2005
MODIFY	College of Arts & Sciences, B.S. Chemistry (with ACS certification)	Change in curriculum to meet IHL 124-hour degree requirement. Fall 2005
MODIFY	College of Arts & Sciences, B.S. Chemistry (Pre-Medical)	Change in curriculum to meet IHL 124-hour degree requirement. Fall 2005
MODIFY	College of Arts & Sciences, B.A. Mathematics	Change in curriculum to meet IHL 124-hour degree requirement. Fall 2005
MODIFY	College of Arts & Sciences, B.S. Mathematics	Change in curriculum to meet IHL 124-hour degree requirement. Fall 2005

MODIFY	College of Education, B.S. Secondary Education - Biology Education Concentration	Name clarification. Symbol change. Change in curriculum to meet IHL 124-hour degree requirement. Fall 2005
MODIFY	College of Education, B.S. Elementary Education	Catalog description. Change in curriculum to meet IHL 124-hour degree requirement. Fall 2005
MODIFY	College of Education, Ph.D. Elementary Education Secondary Education Curriculum and Instruction	Increase in required research course in the three Ph.D. programs in the Department of Curriculum and Instruction. Fall 2005
MODIFY	College of Education, B.S. Secondary Education - Chemistry and Physics Education Concentration	Concentration clarification. Change in curriculum to meet NCATE/PRAXIS requirements, and to meet IHL 124-hour degree requirement. 4 Letter Abbreviation: CHED – Chemistry Education PHED – Physics Education Fall 2005
MODIFY	College of Education, B.S. Secondary Education - English Education Concentration	Concentration name change. Change in curriculum to meet IHL 124-hour degree requirement. Fall 2005
MODIFY	College of Education, B.S., Secondary Education - Foreign Language Education Concentration	Concentration name change. Change in curriculum to meet IHL 124-hour degree requirement. Fall 2005
MODIFY	College of Education, B.S. Secondary Education - Mathematics Education Concentration	Concentration name change. Change in curriculum to meet IHL 124-hour degree requirement. Fall 2005

MODIFY	College of Education, B.S. Secondary Education - Social Studies Education Concentration	Concentration name change. Change in curriculum to meet IHL 124-hour degree requirement. Fall 2005
MODIFY Education	College of Education, B.S. Secondary Education - Speech Concentration	Concentration name change. Change in curriculum to meet IHL 124-hour degree requirement. Fall 2005
MODIFY	College of Education, B.S. Educational Psychology	Change in curriculum to meet IHL 124-hour degree requirement. Fall 2005
MODIFY	College of Education, B.S. Technology Teacher Education - Industrial/Technical Education Concentration	Concentration clarification. Change in curriculum to meet IHL 124-hour degree requirement. Fall 2005
MODIFY	College of Education, B.S. Technology Teacher Education – Business Technology Concentration	Concentration clarification. Change in curriculum to meet IHL 124-hour degree requirement. Fall 2005
MODIFY	College of Education, B.S. Industrial Technology – Industrial Automation Concentration	Concentration clarification. Change in curriculum to meet IHL 124-hour degree requirement. Fall 2005
MODIFY	College of Education, B.S. Industrial Technology – Industrial Distribution Concentration	Concentration clarification. Change in curriculum to meet IHL 124-hour degree requirement. Fall 2005
MODIFY	College of Education, B.S. Industrial Technology – Manufacturing and Maintenance Concentration	Concentration clarification. Change in curriculum to meet IHL 124-hour degree requirement. Fall 2005

MODIFY	College of Engineering, Ph.D. Computer Science	CSE 8021 Seminar II will no longer be a part of the curriculum. CSE 8011 Seminar I will be changed to CSE 8011 Seminar. The number of hours of course work required for the degree is changed from 44 to 43. Fall 2005
ADD	College of Engineering, Six Sigma Certificate	A certificate program in six sigma methodology is proposed. The program will enable both graduate and undergraduate students to gain knowledge in various methodologies currently in widespread use throughout business and industry, worldwide. A 15-hour course of study is proposed as described in the attached proposal document. Fall 2005
MODIFY	Office of the Provost, B.S. Arts and Sciences – Interdisciplinary Studies (BSIS)	Change in curriculum to meet IHL 124-hour degree requirement. Fall 2005
MODIFY	College of Ag & Life Sciences, M.S. Animal Physiology	Modification to degree program to act as an umbrella to consolidate existing Master’s programs and to reflect changes that occurred in the C.I.P areas in 2000. Fall 2005
MODIFY	College of Ag & Life Sciences, M.S. Nutrition	Modification to degree program to act as an umbrella to consolidate existing Master’s programs and to reflect changes that occurred in the C.I.P areas in 2000. Fall 2005

MODIFY	College of Ag & Life Sciences, M.S. Plant and Soil Sciences	Modification to degree program to act as an umbrella to consolidate existing Master's programs and to reflect changes that occurred in the C.I.P areas in 2000. Fall 2005
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All of the proposals were approved with the exception of the following:

Proposals**

Dr. Jerome A. Gilbert
Associate Vice President for Academic Affairs

Date

**Please include copies of letters accompanying proposals that are returned to departments.