

Julia Tutwiler College of Education

Department of Foundations of Education Contact: [Dr. Martha Hocutt](#) ext. 33629 Station # 33

1. Type of Change	2. Current details:	3. Proposed details:	4. Rationale: Explain rationale for change.	5. Academic Implications/ Approval by Appropriate Councils: Discuss impact on other academic programs or areas, if any. List date of approval by appropriate council (if applicable)	6. Financial Implications: Discuss personnel, facility, and budgetary implications of change, if any.																								
I. Course Name & Description Change	<p>Presently EP 406 and EP 506 are offered as stacked courses.</p> <p>EP 406 LIFE SPAN DEVELOPMENT (3) Physical, social, cognitive, and emotional development during the life span of human beings.</p> <p>EP 506 LIFE SPAN DEVELOPMENT AND LEARNING Physical, social, cognitive, and emotional development of human beings.</p>	<p>Now EP 406 and EP 506 will be offered as separate courses.</p> <p>EP 406. CHILD AND ADOLESCENT DEVELOPMENT (3) Covers the development of the physiological, psychological, social, cognitive and affective aspects of children and adolescent development.</p>	<p>The State Department of Education prefers that stacked courses not be used. Since EP 406 cannot be repeated as EP 506, this change will make advising and keeping track of students who have taken EP 406 easier.</p>	<p>There should be no academic implications. Approved by COE Academic Council 1/18/05 & 10/27/05</p>	<p>There should be no financial implications.</p>																								
II. Course Number, Name, & Description Change	<p>Presently EP 400 and 500 are offered as stacked courses.</p> <p>EP 400 EDUCATIONAL PSYCHOLOGY (3) A systematic approach to the application of psychology to the learning process.</p>	<p>Now EP 401 and EP 500 will be offered as separate courses.</p> <p>EP 401. PSYCHOLOGY OF LEARNING (3) Covers the nature and functions of psychology applied to teaching and the factors that influence human development and learning.</p>	<p>The State Department of Education prefers that stacked courses not be used. Since EP 400 cannot be repeated as EP 500, these changes will make advising and keeping track of students who have taken EP 400 easier.</p>	<p>There should be no academic implications. Approved by COE Academic Council 1/18/05 & 10/27/05</p>	<p>There should be no financial implications.</p>																								
III. Course Name Change	<p>EP 500 EDUCATIONAL PSYCHOLOGY (3) A systematic approach to the application of psychology to the learning process.</p>	<p>EP 500. ADVANCED EDUCATIONAL PSYCHOLOGY (3) A systematic approach in the application of psychology to the learning process.</p>	<p>The State Department of Education prefers that stacked courses not be used. Since EP 400 cannot be repeated as EP 500, these changes will make advising and keeping track of students who have taken EP 400 easier.</p>	<p>There should be no academic implications. Approved by COE Academic Council 1/18/05 & 10/27/05 and by Graduate Council 11/09/05.</p>	<p>There should be no financial implications.</p>																								
IV. Major Requirement Change	<p>Master of Education in School Counseling</p> <table border="1" data-bbox="260 1252 642 1487"> <tr> <td>II. Professional Courses</td> <td>9</td> </tr> <tr> <td>Hours</td> <td></td> </tr> <tr> <td>ED 504, Techniques of Educational Research</td> <td>3</td> </tr> <tr> <td>ED 506, Educational Statistics</td> <td>3</td> </tr> <tr> <td>EP 500, Educational Psychology</td> <td>3</td> </tr> </table>	II. Professional Courses	9	Hours		ED 504, Techniques of Educational Research	3	ED 506, Educational Statistics	3	EP 500, Educational Psychology	3	<p>Master of Education in School Counseling</p> <table border="1" data-bbox="642 1224 1192 1487"> <tr> <td>II. Professional Courses</td> <td>9</td> </tr> <tr> <td>Hours</td> <td></td> </tr> <tr> <td>ED 504, Techniques of Educational Research</td> <td>3</td> </tr> <tr> <td>ED 506, Educational Statistics</td> <td>3</td> </tr> <tr> <td>EP 500, Advanced Educational Psychology</td> <td>3</td> </tr> <tr> <td style="text-align: center;">or</td> <td></td> </tr> <tr> <td>SC 506, Life Span Development</td> <td>3</td> </tr> </table>	II. Professional Courses	9	Hours		ED 504, Techniques of Educational Research	3	ED 506, Educational Statistics	3	EP 500, Advanced Educational Psychology	3	or		SC 506, Life Span Development	3	<p>Both classes cover the standards that are required.</p>	<p>Approved by COE Academic Council 1/18/05 & 10/27/05 and by Graduate Council 11/09/05.</p>	<p>None</p>
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V. New Course		EP 599. THESIS IN COUNSELING/ PSYCHOLOGY (1-3) A thesis evidencing research capacity, independent thought and ability to interpret materials is required of students pursuing the thesis option. Normally students enroll in this course continuously from the inception of their thesis project until the final document is approved by the Dean of the School of Graduate Studies. A maximum of six semester hours in this course will be counted toward the Master's degree. Prerequisite: Permission of Dean of College of Education	Students receiving an M.S.C.E. with a concentration in Counseling/Psychology do not currently have a thesis option. Several students in this program have requested the thesis option.	Provides up to six hours in EP courses. In order to receive a concentration in Counseling/ Psychology, students must have 18 hours with EP prefixes. Approved by COE Academic Council 1/20/05 and by Graduate Council 11/09/05.	There should be no financial implications.
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Department of Physical Education & Athletic Training Contact: [Dr. R. T. Floyd](#), ext. 3714 Station # 14

1. Type of Change	2. Current details:	3. Proposed details:	4. Rationale: Explain rationale for change.	5. Academic Implications/ Approval by Appropriate Councils: Discuss impact on other academic programs or areas, if any. List date of approval by appropriate council (if applicable)	6. Financial Implications: Discuss personnel, facility, and budgetary implications of change, if any.
I. New Course		PE 252. Lifeguard Training (1) Provides an opportunity to master the swimming skills and knowledge designed to save a person's life in the event of an emergency. The successful student will receive American Red Cross certificates in Lifeguard Training, CPR for the Professional Rescuer, and Automated External Defibrillator. Prerequisite: Ability to swim 500 yards.	Several years ago we had this course in our curriculum, but deleted it due to lack of personnel. Now that we have the personnel we would like to reinstate it as an elective.	Provides a 1 hour elective for any student meeting the prerequisite.	A lab fee of \$20.00 will be required to purchase the ARC cards and expendable supplies.
II. Course Prerequisite Change	BY 231 Human Anatomy & Physiology I is not presently required as a prerequisite for PE 345 Motor Learning and Motor Development.	PE 345. Motor Learning and Motor Development (3) Concepts and process of life time motor skill acquisition and the variables that influence motor learning and performance. The student will be able to recognize motor development stages and apply concepts of motor learning in teaching motor skills. Prerequisite: BY 231	Currently many students do not take BY 231 Human Anatomy & Physiology I prior to taking PE 345 which places them at a significant disadvantage in comprehending the material in Motor Learning and Motor Development, a course with a scientific approach. Without this prerequisite knowledge a great deal of class time is currently used to teach the basics of Anatomy & Physiology preventing adequate coverage of the intended course content.	None since BY 231 is already a prerequisite for two other courses required of all majors in the department.	None

College of Liberal Arts

Department of Fine Arts Contact: [Dr. Nancy Kudlawiec](#) ext.3514, Station #10

1. Type of Change	2. Current details:	3. Proposed details:	4. Rationale: Explain rationale for change.	5. Academic Implications/ Approval by Appropriate Councils: Discuss impact on other academic programs or areas, if any. List date of approval by appropriate council (if applicable)	6. Financial Implications: Discuss personnel, facility, and budgetary implications of change, if any.
I. Course Name & Minor Requirement	MU 111 Music Theory/Ear Training	MU 111. Music Fundamentals /Ear Training I.	More accurately depicts the course content currently being taught. More clearly indicates the differences between this class and	None, Approved 10/13/05 by COLA Academic Council	None

<i>Change</i>			traditional theory required music majors. Minimizes confusion for transfer students.		
II. Course Name & Minor Requirement Change	MU 112 Music Theory/Ear Training II.	MU 112. Music Fundamentals /Ear Training II.	More accurately depicts the course content currently being taught. More clearly indicates the differences between this class and traditional theory required for music majors. Minimizes confusion for transfer students.	None, Approved 10/13/05 by COLA Academic Council	None
III. Course Prerequisite Change	MU 303 American Music	MU 303. American Music Prerequisite: MU 100 Introduction to Music	Error in 2005-2006 catalogue: prerequisite was not listed.	None, Approved 10/13/05 by COLA Academic Council	None
IV. Course Prerequisite Change	MU 304 World Music	MU 304. World Music Prerequisite: MU 100 Introduction to Music	Error in 2005-2006 catalogue: prerequisite was not listed	None, Approved 10/13/05 by COLA Academic Council	None

Department of History & Social Sciences Contact: [Dr. David Bowen](#), ext. 3467 Station #22

1. Type of Change	2. Current details:	3. Proposed details:	4. Rationale: Explain rationale for change.	5. Academic Implications/ Approval by Appropriate Councils: Discuss impact on other academic programs or areas, if any. List date of approval by appropriate council (if applicable)	6. Financial Implications: Discuss personnel, facility, and budgetary implications of change, if any.
I. Major Requirement Change	The present sociology major, traditional track, has four required courses, SY 100, SY 350, SY 360, and SY 370 with eighteen hours of approved sociology electives.	The new major will have six required courses SY 100, SY 110, SY 312, SY 350, SY 360 and SY 370 with twelve hours of approved sociology electives.	The addition of two required courses to the traditional major will establish a common core of four courses for all tracks in sociology.	Approved by the Liberal Arts Academic Council on Oct. 27, 2005.	None
II. New Course		HY 536. The Meaning of the First World War (3) A course designed to discuss the intellectual and cultural background to the War and its continuing effects on the intellectual and cultural life of the United States.	This course will only be offered at the graduate level primarily on line. It will increase the number of courses being offered on line.	Approved by College of Liberal Arts Academic Council on Oct. 13, 2005 and by Graduate Council 11/09/05.	none
III. New Course		PY 529. Psychopharmacology (3) The practical understanding and application of how and why psychoactive drugs (therapeutic and illicit) affect thoughts and behaviors.	This course is needed for our graduate counseling program. It will be offered both on line and in the class room.	Approved by College of Liberal Arts Academic Council on Oct. 13, 2005 and by Graduate Council 11/09/05.	none

Department of Languages and Literature Contact: [Dr. Pat Beatty](#) ext. 3641 Station #22

1. Type of Change	2. Current details:	3. Proposed details:	4. Rationale: Explain rationale for change.	5. Academic Implications/ Approval by Appropriate Councils: Discuss impact on other academic programs or areas, if any. List date of approval by appropriate council (if applicable)	6. Financial Implications: Discuss personnel, facility, and budgetary implications of change, if any.
I. Course Deletion	EH 490 Senior Seminar in Literature Studies (1) had as its purpose to engage the graduating senior English majors	Delete the course; add the one-hour to EH 302, which is a two-hour course at the moment.	We have discovered that a one-hour course does not allow for worthwhile literary projects, but we feel it is not feasible at this time to make it a three-hour course, thereby raising the number of hours to 36.	Since that one hour will be added to the 2-hour entrance course for the English and Language Arts majors, any impact is minor and in-house. Approved 10/13/05 by	None

	with contemporary literature issues.; a secondary purpose was to help the students review for an exit examination		We have not had success with a retrospective approach to the course either.	COLA Academic Council	
II. Course Name, Description, & Major Requirement Change	EH 302- (2 hours), Introduction to Research, is the prerequisite course for all other English courses.	Add one hour to the course; revise the title to EH 302 (3) Introduction to Literary Research and Studies	Adding one hour will allow the instructor and students more time to cover basic literary skills. Revising the title will better describe the contents of the course.	None, Approved 10/13/05 by COLA Academic Council	None
Proposals III. through VI. were tabled pending further departmental discussion and discussion with chairs of other colleges.					
III. Course Deletion	Delete EH 211-212, Introduction to Literature I and II	Substitute EH 215-216, World Literature, EH 221-222, English Literature, EH 231-232, American Literature	New courses will better fulfill the State Articulation requirements for students who plan to transfer; students will have a wider choice of sophomore literature courses; taking these survey courses at the sophomore level will allow our English /Language Arts majors to take more specialized courses at the junior and senior level	We will submit new syllabi to the State Articulation Committee; we have discussed these changes with the College of Education to assure that the Secondary Language Arts state requirements have been met. Approved 10/13/05 by COLA Academic Council	The same faculty who are teaching the Introduction to Literature courses are able to teach the new courses.
IV. New Course	Delete EH 211-212, Introduction to Literature I and II	The following courses would be a substitute, fulfilling the sophomore literature requirement. EH 215. World Literature I (3) Survey of world literature from the classical period to the Renaissance Prerequisite: "C" or above in EH 102 or 104. EH 216. World Literature II (3) Survey of World literature from the Enlightenment to the modern period Prerequisite: "C" or above in EH 102 or 104	Would offer two of the six 200-level literature courses to students, thus offering students more choice; new courses will better fulfill State Articulation requirements for students who plan to transfer; taking these survey courses at the sophomore level will allow our English majors to take more specialized courses at the junior/senior level.	We will submit new syllabi to the State Articulation committee (such courses throughout the state have already been accepted). These courses would be acceptable as electives for the Language Arts majors. Approved 10/13/05 by COLA Academic Council	The same faculty who are teaching the Introduction to Literature courses are able to teach the new courses, so there are no financial implications.
V. New Course, Course Number, Description, Major Requirement, & Basic Curriculum Requirement Change	New courses would substitute for Introduction to Literature I and II	EH 221. English Literature I (3) Survey of English Literature from the Anglo Saxon period through the Eighteenth century. Prerequisite: EH 102 or 104. EH 222. English Literature II (3) Survey of English Literature from Romanticism to the present. Prerequisite: EH 102 or 104.	Would offer two of six 200-level literature courses to students, thus offering students more choice; new courses will better fulfill State Articulation requirements for students who plan to transfer; taking these survey courses at the sophomore level will allow our English /Language Arts majors to take more specialized courses at the junior/senior level.	We will submit new syllabi to the State Articulation committee (such courses throughout the state have already been accepted). These courses would be required for English majors; Language Arts students would also be required to take them, fulfilling state Department of Education and COE requirements. Approved 10/13/05 by COLA Academic Council	The same faculty who are teaching the Introduction to Literature courses are able to teach the new courses, so there are no financial implications.
VI. New Course,	New courses would substitute for Introduction	EH 231. American Literature I (3) Survey of American Literature	Would offer two of six 200-level literature courses to students, thus offering students	We will submit new syllabi to the State Articulation committee (such	The same faculty who are teaching the

Course Number, Description, Major Requirement, & Basic Curriculum Requirement Change	to Literature I and II	from its earliest beginnings to 1865. Prerequisite: EH 102 or 104. EH 232. American Literature II (3) Survey of American Literature from 1865 to the present. Prerequisite: EH 102 or 104.	more choice; new courses will better fulfill State Articulation requirements for students who plan to transfer; taking these survey courses at the sophomore level will allow our English /Language Arts majors to take more specialized courses at the junior/senior level.	courses throughout the state have already been accepted). These courses would be required for English majors; Language Arts students would also be required to take them, fulfilling state Department of Education and COE requirements. Approved 10/13/05 by COLA Academic Council	Introduction to Literature courses are able to teach the new courses, so there are no financial implications.
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College of Natural Sciences & Mathematics

Department of Biology and Environmental Sciences Contact: [Dr. John McCall](#), ext. 3724 Station # 7

1. Type of Change	2. Current details:	3. Proposed details:	4. Rationale: Explain rationale for change.	5. Academic Implications/ Approval by Appropriate Councils: Discuss impact on other academic programs or areas, if any. List date of approval by appropriate council (if applicable)	6. Financial Implications: Discuss personnel, facility, and budgetary implications of change, if any.
I. Course Number Change	General Botany is currently numbered BY 112.	Change General Botany to BY 212.	Students taking General Botany are primarily majors in a science field at the sophomore level. The course is taught at the sophomore level.	Must be approved by AGSC.	None
II. Course Number Change	General Zoology is currently numbered BY 122.	Change General Zoology to BY 222.	Students taking General Zoology are primarily majors in a science field at the sophomore level. The course is taught at the sophomore level.	Must be approved by AGSC.	None
III. Course Number, Name, Description, & Prerequisite Change	Currently, Microbiology is numbered BY 340 with prerequisites of BY 112 OR 122, and a prerequisite or corequisite of CH 111.	BY 242. General Microbiology (4) Introduction to concepts and techniques relating to the morphology, taxonomy, physiology, and cultural methods of microbes. Prerequisite: BY 104. Corequisite: CH 111.	Students taking Microbiology are primarily biology majors at the sophomore level. The elevation of Botany and Zoology to the sophomore level, and the lowering of Microbiology to the sophomore level allows a total coverage of the living world prior to students moving into upper level courses in biology.	May require AGSC approval.	None
IV. New Course	Currently, the only course in Evolutionary Biology offered in the department is BY 490/590, Evolutionary Biology.	BY 390. Evolution and Systematics (3). An introduction to the general principles of evolutionary biology and biological systematics. Prerequisite: BY 212, 222, and 242. Corequisite: BY 380.	An understanding of the modern field of biology requires a background in evolutionary biology. We propose that our biology majors take this course at the junior level in preparation for advanced study in biology.	None	None
V. Course Name & Description	BY 490 is currently Evolutionary Biology.	BY 490. Evolutionary Theory (3) Advanced study of the modern synthesis of the theory of evolution by natural selection and	With the addition of a junior level course providing an introduction to evolutionary biology, BY 490/590 will serve as a	None	None

Change		Mendelian genetics. Prerequisite: BY 390.	senior/graduate level offering in which students can study advanced ideas regarding evolution. This course will continue to be offered in such a way that it will be available for nontraditional students.																																						
VI. Course Description & Prerequisite Change	BY 590 is currently Evolutionary Biology and has prerequisites of BY 112 and BY 122.	BY 590. Evolutionary Theory (3) Advanced study of the modern synthesis of the theory of evolution by natural selection and Mendelian genetics. Graduate standing with a course in genetics, or permission of instructor and dean.	With the addition of a junior level course providing an introduction to evolutionary biology, BY 490/590 will serve as a senior/graduate level offering in which students can study advanced ideas regarding evolution. This course will continue to be offered in such a way that it will be available for nontraditional students.	None, Approved by Graduate Council 11/09/05.	None																																				
VII. Course Number & Name Change	Currently, Field Zoology is BY 321.	BY 420. Animal Taxonomy & Field Techniques (4). Methods for the collection and identification of invertebrate and vertebrate animals in natural environments, including animal identification, taxonomy, systematics, collection, preservation, and ecological interactions. Includes one weekend field trip. Three lecture and three laboratory hours per week. Prerequisite: BY 222.	The nature of the material covered in this class is more suitable for senior level students.	None	None																																				
VIII. Major Requirement Change	<table border="1"> <tr> <td>Biology Major</td> <td>37 hours</td> </tr> <tr> <td>BY 308, Seminar in Biology</td> <td>1</td> </tr> <tr> <td>BY 380, Genetics</td> <td>4</td> </tr> <tr> <td>BY 450, Ecology</td> <td>4</td> </tr> <tr> <td>Any one of the following:</td> <td></td> </tr> <tr> <td>BY 471, Biochemistry</td> <td>4</td> </tr> <tr> <td>BY 472, Cell Biology</td> <td>4</td> </tr> <tr> <td>Approved electives in Biology from the 300-400 series (with at least 8 hours of botanical sciences and at least 8 hours of zoological sciences)</td> <td>24</td> </tr> </table>	Biology Major	37 hours	BY 308, Seminar in Biology	1	BY 380, Genetics	4	BY 450, Ecology	4	Any one of the following:		BY 471, Biochemistry	4	BY 472, Cell Biology	4	Approved electives in Biology from the 300-400 series (with at least 8 hours of botanical sciences and at least 8 hours of zoological sciences)	24	<table border="1"> <tr> <td>Biology Major</td> <td>36 hours</td> </tr> <tr> <td>BY 242, Microbiology</td> <td>4</td> </tr> <tr> <td>BY 308, Seminar in Biology</td> <td>1</td> </tr> <tr> <td>BY 380, Genetics</td> <td>4</td> </tr> <tr> <td>BY 390, Evolution & Systematics</td> <td>3</td> </tr> <tr> <td>BY 450, Ecology</td> <td>4</td> </tr> <tr> <td>Any one of the following:</td> <td></td> </tr> <tr> <td>BY 471, Biochemistry</td> <td>4</td> </tr> <tr> <td>BY 472, Cell Biology</td> <td>4</td> </tr> <tr> <td>Approved electives in Biology from the 300-400 series (with at least 8 hours of botanical sciences and at least 8 hours of zoological sciences)</td> <td>16</td> </tr> </table>	Biology Major	36 hours	BY 242, Microbiology	4	BY 308, Seminar in Biology	1	BY 380, Genetics	4	BY 390, Evolution & Systematics	3	BY 450, Ecology	4	Any one of the following:		BY 471, Biochemistry	4	BY 472, Cell Biology	4	Approved electives in Biology from the 300-400 series (with at least 8 hours of botanical sciences and at least 8 hours of zoological sciences)	16	The existing major does not recognize the ever-increasing necessity that all biologists understand the theory of evolution by natural selection. Furthermore, it does not account for the dramatic impact that microbiology is having on modern biology. The proposed major accounts for these two areas, while retaining a strong core in traditional biology.	None	None
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XII. Course Name & Description Change	BY 413 is currently Vascular Plants, in which classification, morphology, and reproduction of ferns, gymnosperms, and angiosperms are covered.	BY 413. Plant Systematics (4) Evolution, morphology, anatomy, reproduction, and classification of land plants (bryophytes, ferns, fern allies, gymnosperms, flowering plants and fossil lineages). <i>Prerequisite: BY 212.</i>	By including bryophytes to the groups of plants already covered in the course currently offered as Vascular Plants, the entire plant kingdom can be considered over the term of one semester. This will facilitate teaching the plant kingdom in an evolutionary context with more emphasis placed on monophyletic groups and the derived characters that set them apart.	None	None																																																
XIII. New Course	Currently, Biological and Environmental Sciences does not offer a course in dendrology.	BY 314. Dendrology (4) Woody plants in natural environments, with emphasis on identification, taxonomy, and economic importance of trees and shrubs of the Southeastern U.S. <i>Prerequisite: BY 212.</i>	A need (and market) has been identified for a class in which students could learn more about local woody plants.	None	Limited. The department may need to purchase certain supplies for																																																

					this course.																														
XIV. New Course	Currently Field Botany is offered as BY 311: Field Botany	BY 410. Plant Taxonomy & Field Techniques. (4) Methods for the collection and identification of vascular plants in natural environments, including plant identification, taxonomy, systematics, collection, preservation, and ecological interactions. Includes one weekend field trip. Three lecture and three laboratory hours per week. Prerequisite: BY 212.	The nature of the material covered in this class is more suitable for senior level students.	None	None																														
XV. Course Name & Description Change	BY 513 is currently Vascular Plants, in which classification, morphology, and reproduction of ferns, gymnosperms, and angiosperms are covered.	BY 513. Plant Systematics (4) Evolution, morphology, anatomy, reproduction, and classification of land plants (bryophytes, ferns, fern allies, gymnosperms, flowering plants and fossil lineages). Prerequisite: Graduate standing and permission of instructor and dean.	By including bryophytes to the groups of plants already covered in the course currently offered as Vascular Plants, the entire plant kingdom can be considered over the term of one semester. This will facilitate teaching the plant kingdom in an evolutionary context with more emphasis placed on monophyletic groups and the derived characters that set them apart. This course is the graduate section of the newly defined BY 413, Plant Systematics.	None, Approved by Graduate Council 11/09/05.	None																														
XVI. New Course	Currently, Biological and Environmental Sciences does not offer a graduate level course in plant taxonomy.	BY 510. Plant Taxonomy & Field Techniques (4) Methods for the collection and identification of vascular plants in natural environments, including plant identification, taxonomy, systematics, collection, preservation, and ecological interactions. Includes one weekend field trip. Three lecture and three laboratory hours per week. Prerequisite: Graduate standing and permission of instructor and dean.	This represents the graduate section of the new senior level class in Plant Taxonomy & Field Techniques.	None, Approved by Graduate Council 11/09/05.	Limited. The department may need to purchase certain supplies for this course.																														
XVII. New Course	Currently, Biological and Environmental Science does not offer a graduate course in Animal Taxonomy.	BY 520. Animal Taxonomy & Field Techniques (4) Methods for the collection and identification of invertebrate and vertebrate animals in natural environments, including animal identification, taxonomy, systematics, collection, preservation, and ecological interactions. Includes one weekend field trip. Three lecture and three laboratory hours per week. Graduate standing and permission of instructor and dean.	This course represents the graduate section of the newly defined senior level course in Animal Taxonomy.	None, Approved by Graduate Council 11/09/05.	None																														
XVIII. Major Requirement Change	<table border="1"> <tr> <td>Environmental Sciences Comprehensive</td> <td>53 Hours</td> </tr> <tr> <td>BY 308, Seminar in Biology</td> <td>1</td> </tr> <tr> <td>BY 340, Microbiology</td> <td>4</td> </tr> <tr> <td>BY 450, Ecology</td> <td>4</td> </tr> <tr> <td>CH 321, Quantitative Analysis</td> <td>4</td> </tr> <tr> <td>EN 100, Introduction to Environmental Sciences</td> <td>4</td> </tr> <tr> <td>EN 409, Environmental</td> <td>12</td> </tr> </table>	Environmental Sciences Comprehensive	53 Hours	BY 308, Seminar in Biology	1	BY 340, Microbiology	4	BY 450, Ecology	4	CH 321, Quantitative Analysis	4	EN 100, Introduction to Environmental Sciences	4	EN 409, Environmental	12	Proposed revision to TWO TRACKS in Environmental Sciences Comprehensive: <table border="1"> <tr> <td>Environmental Sciences Comprehensive</td> <td>54 Hours</td> </tr> <tr> <td>Industry</td> <td></td> </tr> <tr> <td>BY 242, General Microbiology</td> <td>4</td> </tr> <tr> <td>BY 308, Seminar in Biology</td> <td>1</td> </tr> <tr> <td>CH 321, Quantitative Analysis</td> <td>4</td> </tr> <tr> <td>CH 360, Environmental Chemistry</td> <td>4</td> </tr> <tr> <td>EN 100, Introduction to Environmental Sciences</td> <td>4</td> </tr> <tr> <td>EN 404, Techniques of Research Design and</td> <td>3</td> </tr> </table>	Environmental Sciences Comprehensive	54 Hours	Industry		BY 242, General Microbiology	4	BY 308, Seminar in Biology	1	CH 321, Quantitative Analysis	4	CH 360, Environmental Chemistry	4	EN 100, Introduction to Environmental Sciences	4	EN 404, Techniques of Research Design and	3	The Environmental Sciences Comprehensive major was designed with the physical sciences concentration in mind. However, in addition to students interested in the physical sciences, the major has recently been attracting students interested in the natural resources area of Environmental Sciences. The proposed development of two tracks will allow us to better prepare students for careers or graduate studies	None	None
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XIX. New Course	Currently, the Department of Biological and Environmental Sciences is offering Vertebrate Zoology as a 4 hour Selected Topic.	BY 428. Vertebrate Zoology (4). Survey of vertebrate classes emphasizing their evolution, systematics, anatomy, physiology and ecology. Prerequisites: Twelve semester hours of biology, including BY 222.	The course is a popular upper level elective in Zoology. It will be offered routinely, and should appear in the catalogue and in course patterns.	None	None																																																																		

Department of Physical Sciences Contact: [Dr. David Bailey](#), ext. 3728 Station # 23

1. Type of Change	2. Current details:	3. Proposed details:	4. Rationale: Explain rationale for change.	5. Academic Implications/ Approval by Appropriate Councils: Discuss impact on other academic programs or areas, if any. List date of approval by appropriate council	6. Financial Implications: Discuss personnel, facility, and budgetary implications of change, if any.
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I. Basic (Core) Curriculum Requirement	CHEMISTRY MAJOR CORE CURRICULUM: PH 211and 212 Technical Physics I and II	CHEMISTRY MAJOR CORE CURRICULUM: PH 201 and PH 202 College Physics I and II Or PH 211and 212 Technical Physics I and II	To match recent changes in state articulation requirements in the basic curriculum for chemistry majors	N/A	N/A

Department of Mathematics Contact: [Dr. Tom Gonzalez](#), ext. 3442 Station # 7

1. Type of Change	2. Current details:	3. Proposed details:	4. Rationale: Explain rationale for change.	5. Academic Implications/ Approval by Appropriate Councils: Discuss impact on other academic programs or areas, if any. List date of approval by appropriate council (if applicable)	6. Financial Implications: Discuss personnel, facility, and budgetary implications of change, if any.
I. New Course		MH 180 Survey of Mathematics for the Elementary Teacher (3) Concepts of mathematics presented in the elementary mathematics curriculum. The development of number with operations and other concepts in mathematics such as probability, statistics, and geometry will be included in this course. There will be an emphasis in explaining mechanics and correlation with the National Council of Teachers of Mathematics Standards and the Alabama Course of Study in Mathematics. This course may not be substituted for MH 181, MH 182, or MH 183 and is offered online only. Prerequisite: MH 113 Precalculus Algebra	This course is offered to with teachers wishing to become highly qualified as outlined by the No Child Left Behind legislation.	None.	None.