

**MINUTES OF THE CURRICULUM AND POLICY COMMITTEE
OF THE COLLEGE OF LIBERAL ARTS
MEETING NO. 377, 16 NOVEMBER 2006
UNION 405**

Present: Dr. Glenn Hopkins (Dean), Dr. Ronald Vernon (Associate Dean), Professor Jan Murray (Associate Dean), Dr. Holly Reynolds (Assistant Dean), Dr. Charles Ross (African American Studies), Dr. Nancy Wicker (Art), Dr. Murray Nabors (Biology), Dr. Charles Hussey (Chemistry), Dr. Conrad Cunningham (Computer Science), Dr. Mark van Boening (Economics), Dr. Patrick Quinn (English), Dr. Robert Haws (History), Dr. Michael Metcalf (International Studies), Dr. Kathleen Wickham for Dr. Samir Husni (Journalism), Dr. Tristan Denley (Mathematics), Dr. Donald Dyer (Modern Languages), Dr. Charles Gates (Music), Capt. Tim Howington (Naval Science), Dr. Tom Marshall (Physics), Dr. Ken Sufka for Dr. Michael Allen (Psychology), Dr. David Swanson (Sociology/Anthropology), Dr. Lucien Cremaldi (Category I representative), Dr. Nicolaas Prins (Category III representative), and Mr. Alan Spurgeon (Category IV representative).

Absent: LTC Steven Estock (Aerospace Studies), Dr. Aileen Ajootian (Classics), Dr. Mary Carruth (Gender Studies), Dr. R. P. Major (Geology), LTC James Shaver (Military Science), and Dr. William Lawhead (Philosophy and Religion), Dr. Rich Forgette (Political Science), Dr. Charles Wilson (Southern Studies), Dr. Rhona Justice-Malloy (Theatre Arts), and Dr. Dan O'Sullivan (Category II representative),

I. COURSE ADDITIONS, CHANGES, AND DELETIONS

ART

CHANGE: ART 441. ADVANCED CERAMICS. Advanced study of three-dimensional form and ceramic techniques, including in-depth study in one area of concentration with strong emphasis on individual expression and research. Prerequisites: ART 341 and ART 342. (May be repeated for credit.). (1-6).

TO: ART 441. ADVANCED CERAMICS. Advanced study of three-dimensional form and ceramic techniques, including in-depth study in one area of concentration with strong emphasis on individual expression and research. Prerequisites: ART 341 ~~and~~ or ART 342. (May be repeated for credit for a maximum total of 12 hours). (1-6).

ADD: ART 310. STUDIO ART ON LOCATION. Emphasis on studio art practice in a location other than the UM campus. Content varies. May be repeated once for credit. Prerequisite: junior status, or consent of instructor. (3).

ADD: ART 395. TOPICS IN STUDIO ART ABROAD. Students complete departmentally approved course work at a foreign university. May be repeated once for credit with permission of chair of the Department of Art. (1-6).

ADD: ART 510. STUDIO ART ON LOCATION. Emphasis on studio art practice in a location other than the UM campus. Content varies. May be repeated once for credit. Prerequisite: consent of instructor. (3).

ADD: ART 598. SPECIAL TOPICS IN ART. Topics in studio art. Content varies. May be repeated once for credit. Prerequisite: consent of instructor. (3).

ART HISTORY

ADD: AH 505 TOPICS IN ART HISTORY. Lecture and discussion on a selected area of art history or art criticism. May focus on a specific artist, style, period, cultural group, or technical or methodological problem. Content varies; may be repeated once for credit. Prerequisite: consent of instructor. (3).

ADD: AH 508. SEMINAR IN ART HISTORY. Specific problems in art emphasizing both individual research and contributions to the seminar group on advanced, in-depth topics. Content varies; may be repeated once for credit. Prerequisite: consent of instructor. (3).

BIOLOGY

CHANGE: BISC 330. INTRODUCTORY PHYSIOLOGY. Survey of mammalian physiology. Prerequisites: CHEM 105, 106. (3 lecture, 2 lab hours). (4).

TO: BISC 330. INTRODUCTORY PHYSIOLOGY. Survey of mammalian physiology. Prerequisites: CHEM 105 and CHEM 106 with a grade of C or better in each course. (3 lecture, 2 lab hours). (4).

CHANGE: BISC 332. COMPARATIVE EMBRYOLOGY OF THE VERTEBRATES. Principles of morphogenesis and evolution of selected vertebrates. Prerequisite: BISC 331 or consent of instructor. (3 lecture, 3 lab hours). (4).

TO: BISC 332. COMPARATIVE EMBRYOLOGY OF THE VERTEBRATES. Principles of morphogenesis and evolution of selected vertebrates. Prerequisite: BISC 331 with a grade of C or better. ~~or consent of instructor~~ (3 lecture, 3 lab hours). (4).

CHANGE: BISC 333. GENERAL MICROBIOLOGY. Morphology, taxonomy, ecology, physiology of bacteria and related microorganisms; basic techniques. Prerequisites: CHEM 105, 106 (4).

TO: BISC 333. GENERAL MICROBIOLOGY. Morphology, taxonomy, ecology, physiology of bacteria and related microorganisms; basic techniques. Prerequisites: CHEM 105 and CHEM 106 with a grade of C or better in each course. (4).

CHANGE: BISC 415. VERTEBRATE HISTOLOGY. Structure of principal tissue types and organ systems. Prerequisite: BISC 330 with C or better or consent of instructor. (4).

TO: BISC 415. VERTEBRATE HISTOLOGY. Structure of principal tissue types and organ systems. Prerequisite: BISC 330 with a grade of C or better. ~~or consent of instructor~~ (4).

CHANGE: BISC 440. CELL AND MOLECULAR BIOLOGY. A study of molecules and biochemical processes essential to life: emphasis on the vital molecular mechanisms in mammals. Prerequisites: CHEM 105, 106 and BISC 330, 336 or permission of the instructor. (4).

TO: BISC 440. CELL AND MOLECULAR BIOLOGY. A study of molecules and biochemical processes essential to life: emphasis on the vital molecular mechanisms in mammals. Prerequisites: CHEM 105, CHEM 106, and BISC 330, and BISC 336 with a grade of C or better in each course. ~~or permission of the instructor~~ (4).

CHANGE: BISC 492. DIRECTED STUDY IN BIOLOGICAL SCIENCE II. Similar to BISC 491 except that the credit hours cannot be applied to the degree requirements of a major or minor in biology. Prerequisite: BISC 491. (1-3).

TO: BISC 492. DIRECTED STUDY IN BIOLOGICAL SCIENCE II. Similar to BISC 491 except that the credit hours cannot be applied to the degree requirements of a major or minor in biology. Prerequisite: BISC 491 with a grade of C or better. (1-3).

CHANGE: BISC 504. BIOMETRY. A biology course on design of biological experiments and analysis of biological data using parametric and nonparametric methodology through multivariate analysis, emphasizing use of mainframe and microcomputer and analytical packages. Prerequisites: At least 15 hours of biology and MATH 121 or consent of instructor. (3).

TO: BISC 504. BIOMETRY. A biology course on design of biological experiments and analysis of biological data using parametric and nonparametric methodology through multivariate analysis, emphasizing use of mainframe and microcomputer and analytical packages. Prerequisites: ~~At least 15 hours of biology courses~~ and MATH 121 with a grade of C or better in each course. ~~or consent of instructor.~~ (3).

CHANGE: BISC 505. AQUATIC MICROBIOLOGY. Principles and applications of the microbiology of lakes, reservoirs, streams, oceans, and sewage treatment processes. Prerequisite: BISC 333. (4).

TO: BISC 505. AQUATIC MICROBIOLOGY. Principles and applications of the microbiology of lakes, reservoirs, streams, oceans, and sewage treatment processes. Prerequisite: BISC 333 with a grade of C or better. (4).

CHANGE: BISC 509. MICROBIAL GENETICS. Genetics and molecular biology of bacteria and viruses. Prerequisite: BISC 333.(4).

TO: BISC 509. MICROBIAL GENETICS. Genetics and molecular biology of bacteria and viruses. Prerequisite: BISC 333 with a grade of C or better. (4).

CHANGE: BISC 510. THEORETICAL ECOLOGY. Advanced course in ecology emphasizing modern conceptual and mathematical models of ecological phenomena. Students will use the computers in the simulation of the above processes. Prerequisites: BISC 322 and MATH 121 (Calculus preferred) or consent of instructor. (3).

TO: BISC 510. THEORETICAL ECOLOGY. Advanced course in ecology emphasizing modern conceptual and mathematical models of ecological phenomena. Students will use the computers in the simulation of the above processes. Prerequisites: BISC 322 and MATH 121 (Calculus preferred) with a grade of C or better in each course. ~~or consent of instructor~~ (3).

CHANGE: BISC 511. APPLIED MICROBIOLOGY. Application of microorganisms in industry, agriculture, food and beverage production, wastewater treatment, biohydrometallurgy, and bioremediation of environmental pollutants. Prerequisite: BISC 333. (4).

TO: BISC 511. APPLIED MICROBIOLOGY. Application of microorganisms in industry, agriculture, food and beverage production, wastewater treatment, biohydrometallurgy, and bioremediation of environmental pollutants. Prerequisite: BISC 333 with a grade of C or better. (4).

CHANGE: BISC 512. ANIMAL BEHAVIOR. The significance of the behavior of animals with emphasis on current evolutionary and ecological approaches. Topics include genetics of behavior, adaptation, fitness, behavioral polymorphism and communication. Prerequisite: BISC 322. (4).

TO: BISC 512. ANIMAL BEHAVIOR. The significance of the behavior of animals with emphasis on current evolutionary and ecological approaches. Topics include genetics of behavior, adaptation, fitness, behavioral polymorphism and communication. Prerequisite: BISC 322 with a grade of C or better. (4).

CHANGE: BISC 514. POPULATION GENETICS. Basic principles of the factors which influence the genetic composition of natural and artificial populations. Topics covered will include selection, migration, mutation, genetic drift, mating systems, and quantitative genetics. Prerequisites: BISC 336 and MATH 121. (3).

TO: BISC 514. POPULATION GENETICS. Basic principles of the factors which influence the genetic composition of natural and artificial populations. Topics covered will include selection, migration, mutation, genetic drift, mating

systems, and quantitative genetics. Prerequisites: BISC 336 and MATH 121 with a grade of C or better in each course. (3).

CHANGE: BISC 515. CONSERVATION BIOLOGY: VIABLE POPULATIONS. A course on the genetics, evolution, and population ecology of endangered and threatened species of plants and animals. The course will concentrate on the application of theory to predicting population viability and preventing extinction. Prerequisites: BISC 322, 336 and MATH 121. (3).

TO: BISC 515. CONSERVATION BIOLOGY: VIABLE POPULATIONS. A course on the genetics, evolution, and population ecology of endangered and threatened species of plants and animals. The course will concentrate on the application of theory to predicting population viability and preventing extinction. Prerequisites: BISC 322, BISC 336, and MATH 121 with a grade of C or better in each course. (3).

CHANGE: BISC 516. PLANT PHYSIOLOGY. Growth and development in plants; emphasis on assimilation, chemical control of growth, and environmental physiology. Prerequisites: CHEM 105, 106. (3 lecture, 2 lab hours). (4).

TO: BISC 516. PLANT PHYSIOLOGY. Growth and development in plants; emphasis on assimilation, chemical control of growth, and environmental physiology. Prerequisites: CHEM 105 and CHEM 106 with a grade of C or better in each course. (3 lecture, 2 lab hours). (4).

CHANGE: BISC 518: MICROTÉCHNIQUE. Techniques of fixing, embedding, sectioning, and staining tissue. Prerequisite: BISC 415. (4).

TO: BISC 518: MICROTÉCHNIQUE. Techniques of fixing, embedding, sectioning, and staining tissue. Prerequisite: BISC 415 with a grade of C or better. (4).

CHANGE: BISC 519. PHYSIOLOGY OF AQUATIC ANIMALS. The physiology and physiological adaptations of aquatic animals, with emphasis on freshwater animals. Prerequisite: BISC 330 or consent of instructor. (4).

TO: BISC 519. PHYSIOLOGY OF AQUATIC ANIMALS. The physiology and physiological adaptations of aquatic animals, with emphasis on freshwater animals. Prerequisite: BISC 330 with a grade of C or better. ~~or consent of instructor~~ (4).

CHANGE: BISC 520. MEDICAL MICROBIOLOGY. The nature of infectious microorganisms with emphasis on mechanisms of pathogenicity and epidemiology. Prerequisite: BISC 333 or consent of instructor. (4).

TO: BISC 520. MEDICAL MICROBIOLOGY. The nature of infectious microorganisms with emphasis on mechanisms of pathogenicity and epidemiology. Prerequisite: BISC 333 with a grade of C or better. ~~or consent of instructor~~ (4).

CHANGE: BISC 521. CELL PHYSIOLOGY. Basic principles and practices of molecular and cellular physiology. Prerequisites: BISC 330, CHEM 221, 222 (3 lecture, 2 lab hours). (4).

TO: BISC 521. CELL PHYSIOLOGY. Basic principles and practices of molecular and cellular physiology. Prerequisites: BISC 330, CHEM 221, and CHEM 222 with a grade of C or better in each course. (3 lecture, 2 lab hours). (4).

CHANGE: BISC 522. MICROBIAL ECOLOGY. Factors that govern the interrelationships between microorganisms and their environments, including microbial energetics, nutrient cycles, aquatic and terrestrial environments, microbial interfaces, methodology. Prerequisite: BISC 333 or consent of instructor. (3).

TO: BISC 522. MICROBIAL ECOLOGY. Factors that govern the interrelationships between microorganisms and their environments, including microbial energetics, nutrient cycles, aquatic and terrestrial environments, microbial interfaces, methodology. Prerequisite: BISC 333 with a grade of C or better. ~~or consent of instructor~~ (3).

CHANGE: BISC 529. ENDOCRINOLOGY. Vertebrate endocrine systems. Prerequisites: BISC 330, CHEM 221, 222. (4).

TO: BISC 529. ENDOCRINOLOGY. Vertebrate endocrine systems. Prerequisites: BISC 330, CHEM 221, and CHEM 222 with a grade of C or better in each course. (4).

CHANGE: BISC 530. ADVANCED FIELD STUDY IN ECOLOGY. Extended field trip experience illustrating ecological principles, biological diversity, and major biotic regions; may be repeated for credit if topic changes. Prerequisites: BISC 322 or equivalent and permission of instructor. (4)

TO: BISC 530. ADVANCED FIELD STUDY IN ECOLOGY. Extended field trip experience illustrating ecological principles, biological diversity, and major biotic regions; may be repeated for credit if topic changes. Prerequisites: BISC 322 with a grade of C or better and permission of instructor. (4)

CHANGE: BISC 531. PLANT MORPHOLOGY. Development and life histories of major plant groups: emphasis on vascular plants. Prerequisite: any 300-level or above biology course. (4).

TO: BISC 531. PLANT MORPHOLOGY. Development and life histories of major plant groups: emphasis on vascular plants. Prerequisite: any 300-level or above biology course with a grade of C or better. (4).

CHANGE: BISC 532. PLANT TAXONOMY. Survey of the diversity of vascular plants of the world, including their historical and modern classification, nomenclature, and identification. Prerequisite: BISC 318 or consent of instructor. (4).

TO: BISC 532. PLANT TAXONOMY. Survey of the diversity of vascular plants of the world, including their historical and modern classification, nomenclature, and identification. Prerequisite: BISC 318 with a grade of C or better. ~~or consent of instructor.~~ (4).

CHANGE: BISC 534. FRESHWATER INSECTS. Identification and biology of insects associated with fresh water. Prerequisite: BISC 337 or consent of instructor. (2 lecture, 4 lab hours). (4).

TO: BISC 534. FRESHWATER INSECTS. Identification and biology of insects associated with fresh water. Prerequisite: BISC 337 with a grade of C or better. ~~or consent of instructor~~ (2 lecture, 4 lab hours). (4).

CHANGE: BISC 542. MICROBIAL DIVERSITY. Ecology, physiology, and taxonomy of microorganisms isolated from natural habitats. Prerequisite: BISC 333. (4)

TO: BISC 542. MICROBIAL DIVERSITY. Ecology, physiology, and taxonomy of microorganisms isolated from natural habitats. Prerequisite: BISC 333 with a grade of C or better. (4)

CHANGE: BISC 545. MICROBIAL PHYSIOLOGY. Biochemical processes of microbial cells. Prerequisite: 333 _ (4).

TO: BISC 545. MICROBIAL PHYSIOLOGY. Biochemical processes of microbial cells. Prerequisite: BISC 333 with a grade of C or better. (4).

CHANGE: BISC 547. ADVANCED HISTOLOGY. Essential features of microscopic anatomy and development of selected tissues and organs. Prerequisite: BISC 415 or consent of instructor. (4).

TO: BISC 547. ADVANCED HISTOLOGY. Essential features of microscopic anatomy and development of selected tissues and organs. Prerequisite: BISC 415 with a grade of C or better. ~~or consent of instructor~~ (4).

CHANGE: BISC 550. BIOLOGICAL OCEANOGRAPHY. Course examines the biota of the world's oceans and its relationship to the abiotic environment. Physical, chemical and geological aspects of oceanography also will be considered. Prerequisite: 16 hours upper-division biology or consent of instructor. (4).

TO: BISC 550. BIOLOGICAL OCEANOGRAPHY. Course examines the biota of the world's oceans and its relationship to the abiotic environment. Physical, chemical and geological aspects of oceanography also will be considered. Prerequisite: 16 hours of upper-division biology courses with a grade of C or better in each course. ~~or consent of instructor~~ (4).

CHANGE: BISC 553. COMPARATIVE ANIMAL PHYSIOLOGY. Comparative and integrative investigation of the structure and mechanisms of the physiological systems of animals. Emphasis on adaptive strategies expressed in physiological systems. Prerequisite: BISC 330 or consent of instructor. (3).

TO: BISC 553. COMPARATIVE ANIMAL PHYSIOLOGY. Comparative and integrative investigation of the structure and mechanisms of the physiological systems of animals. Emphasis on adaptive strategies expressed in physiological systems. Prerequisite: BISC 330 with a grade of C or better. ~~or consent of instructor~~ (3).

CHANGE: BISC 566. EVOLUTIONARY BIOLOGY. Lectures and assigned reading on modern evolutionary theories, with emphasis on speciation and processes operating at the population level of organization. Prerequisite: 15 hours of biology or permission of instructor. (3).

TO: BISC 566. EVOLUTIONARY BIOLOGY. Lectures and assigned reading on modern evolutionary theories, with emphasis on speciation and processes operating at the population level of organization. Prerequisite: 15 hours of biology courses with a grade of C or better in each course. ~~or permission of instructor~~ (3).

CHANGE: BISC 567. EVOLUTIONARY BIOLOGY LABORATORY. Laboratory to accompany BISC 566. Corequisite: BISC 566. Prerequisite: 15 hours of biology or permission of instructor. (2 lab hours). (1).

TO: BISC 567. EVOLUTIONARY BIOLOGY LABORATORY. Laboratory to accompany BISC 566. Corequisite: BISC 566. Prerequisite: 15 hours of biology courses with grade of C or better in each course. ~~or permission of instructor~~ (2 lab hours). (1).

MATHEMATICS

ADD: MATH 271. CALCULUS OF DECISION MAKING I. Differential calculus with an emphasis on its uses in decision making. Topics will include techniques to analyze functions of one variable and maximize functions of several variables subject to constraints, using the Lagrange method. Other topics may include elementary encryption techniques. Students may not receive credit for both MATH 267 and MATH 271. (3).

ADD: MATH 272. CALCULUS OF DECISION MAKING II. Integral calculus with an emphasis on its uses in decision making. Other topics may include markets and auctions, Nash equilibria and game theory, and discrete forms of optimization. Students may not receive credit for both MATH 268 and MATH 272. Prerequisite: MATH 271. (3).

ADD: MATH 480. INTRODUCTION TO ACTUARIAL SCIENCE. A course to develop knowledge of the fundamental probability tools for quantitatively assessing risk with emphasis on the application of these tools to problems encountered in actuarial science. Topics include general probability concepts, univariate distributions, multivariate distributions, and risk management concepts. Prerequisite: MATH 475. (3).

CHANGE: MATH 501, 502. GENERAL TOPOLOGY I, II. Metric spaces, continuity, separation axioms, connectedness, compactness, and other related topics. Prerequisite: MATH 556. (3,3).

TO: MATH 501. GENERAL TOPOLOGY I. Metric spaces, continuity, separation axioms, connectedness, compactness, and other related topics. Prerequisite: MATH ~~556~~. 555. (3).

MATH 502. GENERAL TOPOLOGY II. Introduction to algebraic topology. Prerequisite: MATH 501. (3).

CHANGE: MATH 513, 514. THEORY OF NUMBERS I,II. Congruences; divisibility; properties of prime numbers; arithmetical functions; quadratic forms; quadratic residues. (3,3).

TO: MATH 513. THEORY OF NUMBERS I. Congruences; divisibility; properties of prime numbers; arithmetical functions; quadratic forms; quadratic residues. Prerequisite: MATH 305. (3).

MATH 514. THEORY OF NUMBERS II. Diophantine equations, distribution of prime numbers, and an introduction to algebraic number theory. Prerequisite: MATH 513. (3).

CHANGE: MATH 525, 526. MODERN ALGEBRA I, II. General properties of groups, rings, and fields; introduction to ideal theory. (3,3).

TO: MATH 525. MODERN ALGEBRA I. General properties of groups, ~~rings, and fields; introduction to ideal theory~~. (3).

MATH 526. MODERN ALGEBRA II. General properties of rings and fields. Prerequisite: MATH 525. (3).

MUSIC

ADD: MUS 516. HISTORY AND LITERATURE OF HYMNODY IN AMERICA. Discussion and materials related to the development, history, and hymnody of Christian sacred music in the United States between 1600 and the present. Prerequisite: Graduate Standing. (3).

PHYSICS AND ASTRONOMY

CHANGE: PHYS 315: RADIATION SCIENCE. Introductory lectures and demonstrations on the interaction of radiation with matter with application to physical and biological systems. Prerequisite: PHYS 212 or 214. (3)

TO: PHYS 315: RADIATION SCIENCE. Introductory lectures and demonstrations on the interaction of radiation with matter with application to physical and biological systems. Prerequisites: MATH 262 and either PHYS 212 or PHYS 214. (3)

CHANGE: PHYS 317: MODERN PHYSICS I. Introduction to relativity; atomic, molecular and solid state physics. Prerequisite: PHYS 212. (3)

TO: PHYS 317: MODERN PHYSICS I. Introduction to relativity; atomic, molecular and solid state physics.

Prerequisites: PHYS 212. Corequisite: MATH 263. (3)

CHANGE: PHYS 318: MODERN PHYSICS II. Introduction to quantum mechanics, nuclear and elementary particle physics. Prerequisite: PHYS 317. (3)

TO: PHYS 318: MODERN PHYSICS II. Introduction to quantum mechanics, nuclear and elementary particle physics.

Prerequisites: PHYS 317. Corequisite: MATH 264. (3)

CHANGE: PHYS 401: ELECTROMAGNETIC THEORY I. Electrostatics, electric and magnetic properties of matter, Maxwell's equations and their solutions, propagation and radiation of electromagnetic waves. Prerequisite: PHYS 212
Corequisite: MATH 353 (3).

TO: PHYS 401: ELECTROMAGNETIC THEORY I. Electrostatics, electric and magnetic properties of matter, Maxwell's equations and their solutions, propagation and radiation of electromagnetic waves. Prerequisites: PHYS 212 and MATH 264. Corequisite: MATH 353. (3).

CHANGE: PHYS 402: ELECTROMAGNETIC THEORY II. Electrostatics, electric and magnetic properties of matter, Maxwell's equations and their solutions, propagation and radiation of electromagnetic waves. Prerequisite: PHYS 401 (3).

TO: PHYS 402: ELECTROMAGNETIC THEORY II. Electrostatics, electric and magnetic properties of matter, Maxwell's equations and their solutions, propagation and radiation of electromagnetic waves. Prerequisites: PHYS 401 and MATH 353. (3)

CHANGE: PHYS 451: INTRODUCTION TO QUANTUM MECHANICS. An introduction to nonrelativistic quantum mechanics; the Schrodinger equation and its application to simple systems. Prerequisites: PHYS 308 and 318 or consent of instructor. (3).

TO: PHYS 451: INTRODUCTION TO QUANTUM MECHANICS. An introduction to nonrelativistic quantum mechanics; the Schrodinger equation and its application to simple systems. Prerequisites: PHYS 308, ~~and~~ PHYS 318, and Math 353. ~~or consent of instructor~~ (3).

CHANGE: PHYS 498. MAJOR FIELD ACHIEVEMENT TEST. Students taking the Education Testing Service Major Field Assessment Test in physics (or an equivalent test as decided by the department) to evaluate basic knowledge and understanding gained in the undergraduate physics curriculum. Required for graduation as a physics major. (0).

TO: PHYS 498. SENIOR REVIEW MAJOR FIELD ACHIEVEMENT TEST. ~~Students taking the Education Testing Service Major Field Assessment Test in physics (or an equivalent test as decided by the department) to evaluate basic knowledge and understanding gained in the undergraduate physics curriculum.~~ A capstone course in which students review their overall knowledge of physics, solve problems involving all major areas of the undergraduate physics curriculum, and develop their oral communication skills. Required for graduation as a physics major. Prerequisite: Senior standing. ~~(0)~~ (2).

PSYCHOLOGY

ADD: PSY 475. SPECIAL TOPICS IN PSYCHOLOGY STUDY ABROAD. Topics addressed and country destinations will vary. May be repeated once for credit with a change in topic or destination for a maximum of 6 credit hours.

Prerequisite: PSY 201. (3)

II. OTHER CATALOG CHANGES

On page 529 of the 2005–2006 Undergraduate Catalog:

CHANGE: A MINOR IN ART consists of 18 hours of studio art and 3 hours of art history. The studio art requirements are ART 101, 103, 111, and 9 additional hours of art studio (ART) courses. The art history requirement is 3 hours of art history (AH) at the 200-level.

TO: A MINOR IN ART consists of 18 hours of studio art and 3 hours of art history. The studio art requirements are ART 101, 103, 111, and 9 additional hours of art studio (ART) courses, including 6 hours at the 300-level or higher. The art history requirement is 3 hours of art history (AH) at the 100- or 200-level.

PHYSICS AND ASTRONOMY

On page 193 of the 2005-06 Undergraduate Catalog:

CHANGE: A MAJOR IN PHYSICS FOR THE B.S. DEGREE is suggested for students wishing to do professional work in physics. B.S. majors in physics must have a working knowledge of differential equations. These students should finish calculus as soon as possible and Mathematics 353, 454 in the junior year. The B.S. degree consists of Physics 211, 212, 221, 222, 498, and 34 semester hours of upper-division physics courses that must include Physics 308, 309, 310, 317, 318, 319, 401, 402, and 451. One upper-division laboratory-based course is required in addition to Physics 319. A suggested curriculum for the B.S. degree follows.

SAMPLE FOUR-YEAR PROGRAM FOR THE B.S. DEGREE IN PHYSICS.

SEE “BACHELOR OF SCIENCE DEGREE” SECTION IN THIS CHAPTER FOR EXPLANATIONS OF GENERAL B.S. COURSE REQUIREMENTS.

FRESHMAN YEAR

Fall Semester

Courses	Semester Hours
Math 261	3
Physics 211	3
Physics Lab 221	1
English 101	3
Foreign language 101	3
Fine arts	<u>3</u>
Total hours	16

Spring Semester

Courses	Semester Hours
Math 262	3
Physics 212	3
Physics Lab 222	1
English 102	3
Foreign language 102	3
[Computer Science 251]1	<u>3</u>
Total hours	16

SOPHOMORE YEAR

Fall Semester

Courses	Semester Hours
Foreign language 201	3
Physics 317	3
Physics 319	4
Social Science I	3
Math 263	<u>3</u>
Total hours	16

Spring Semester

Courses	Semester Hours
Foreign language 202	3
Physics 318	3
Social Science I	3
English 221, 222, 223, 224, 225, or 226	3
Math 264	<u>3</u>
Total hours	15

JUNIOR YEAR

Fall Semester

Courses	Semester Hours
Math 353	3
Physics 309 or 4012	3
Social Science II	3
[Chemistry 105, 115] ¹	4
English 221, 222, 223, 224, 225 or 226	<u>3</u>
Total hours	16

Spring Semester

Courses	Semester Hours
Math 454	3
Physics 310 or 4022	3
Social Science II	3
[Chemistry 106, 116] ¹	4
Physics 308	<u>3</u>
Total hours	16

SENIOR YEAR

Fall Semester

Courses	Semester Hours
[Math, Linear Algebra 319] ¹	3
Physics 321 or 417	4
Physics 309 or 4012	3
Physics 451	<u>3</u>
Total hours	16

Spring Semester

Courses	Semester Hours
[Math, Vector Analysis 318] ¹	3
Physics 413 or 422	3
Physics 310 or 4022	3
Physics 498	0
Elective	3
Elective	<u>3</u>
Total hours	15

TO: A MAJOR IN PHYSICS FOR THE B.S. DEGREE is suggested for students wishing to do professional work in physics. B.S. majors in physics must have a working knowledge of differential equations. These students ~~should finish calculus as soon as possible and Mathematics 353, 454~~ must take MATH 261, 262, 263, 264, and 353, plus at least one of the following courses: MATH 319, 454, or 459. All six required math courses should be completed by the end of the junior year. The B.S. degree consists of Physics 211, 212, 221, 222, 498, and 34 semester hours of upper-division physics courses that must include Physics 308, 309, 310, 317, 318, 319, 401, 402, and 451. One upper-division laboratory-based course is required in addition to Physics 319. A suggested curriculum for the B.S. degree follows.

SAMPLE FOUR-YEAR PROGRAM FOR THE B.S. DEGREE IN PHYSICS.

SEE "BACHELOR OF SCIENCE DEGREE" SECTION IN THIS CHAPTER FOR EXPLANATIONS OF GENERAL B.S. COURSE REQUIREMENTS.

FRESHMAN YEAR

Fall Semester

Courses	Semester Hours
Math 261	3
Physics 211	3
Physics Lab 221	1
English 101	3
Foreign language 101	3
Fine arts	<u>3</u>
Total hours	16

Spring Semester

Courses	Semester Hours
Math 262	3
Physics 212	3
Physics Lab 222	1
English 102	3
Foreign language 102	3
[Computer Science 251] ¹	<u>3</u>
Total hours	16

SOPHOMORE YEAR

Fall Semester

Spring Semester

Courses	Semester Hours
Foreign language 201	3
Physics 317	3
Physics 319	4
Social Science I	3
Math 263	<u>3</u>
Total hours	16

Courses	Semester Hours
Foreign language 202	3
Physics 318	3
Social Science I	3
English 221, 222, 223, 224, 225, or 226	3
Math 264	<u>3</u>
Total hours	15

JUNIOR YEAR

Fall Semester

Courses	Semester Hours
Math 353	3
Physics 309 or 401 ²	3
Social Science II	3
[Chemistry 105, 115] ¹	4
English 221, 222, 223, 224, 225 or 226	<u>3</u>
Total hours	16

Spring Semester

Courses	Semester Hours
Math <u>319, 454, or 459</u>	3
Physics 310 or 402 ²	3
Social Science II	3
[Chemistry 106, 116] ¹	4
Physics 308	<u>3</u>
Total hours	16

SENIOR YEAR

Fall Semester

Courses	Semester Hours
[Math, Linear Algebra 319]⁺	3
Physics 451	3
Physics 321 or 417	4
Physics 309 or 401 ²	3
Elective	3
Elective	<u>3</u>
Total hours	16

Spring Semester

Courses	Semester Hours
[Math, Vector Analysis 318]⁺	3
Physics 498	<u>2</u>
[Physics 413 or 422] ¹	3
Physics 310 or 402 ²	3
Elective	3
Elective	<u>3</u>
Total hours	15 <u>14</u>

¹ Suggested electives [identified by brackets]

² Since PHY 309, 310 alternates yearly with PHYS 401, 402, junior B.S. majors must take whichever pair of these is offered in their junior year to be able to finish in four years.

III. OTHER BUSINESS

Wilma Webber-Colbert addressed the committee on the role and functions of the Office of Equal Opportunity and Regulatory Compliance.

Dr. Tom Marshall (Physics and Astronomy) discussed the recent activity of the Quality Enhancement Plan committee, including the upcoming faculty survey on possible QEP themes.

Assistant Dean Reynolds relayed some of the work of the SACS Steering Committee, including the need to put together the team of faculty and staff who will write the compliance report.

Dean Hopkins announced that the new B.A. in Chinese degree had been approved by IHL. In addition, he announced that the new Department in Public Policy Leadership had been approved by the Council of Academic Administrators.