Graduate Council
February 2, 2007
Minutes

Members Present: Dr. Charles Eagles, Dr. Maurice Eftink (ex-officio), Dr. Jeffrey Hallam, Dr. Tim Letzring, Dr. Tom Lombardo, Dr. David Nichols, Dr. Charles Noble, Dr. Michael Repka, Mr. Stephen Monroe (for Mr. Philip Schwab), Dr. William Scott, Dr. Raju Mantena (for Dr. Dawn Wilkins) and Dr. Christy Wyandt (ex-officio).

Members Absent: Dr. Donna Davis, Dr. Karen Raber and Dr. Julia Rholes (ex-officio).

Guest: Dr. Charles Gates

1. Dr. Gates presented information about the proposal from the Music department to create a Ph.D. program in Music Education.

2. On a motion by Dr. Scott seconded by Dr. Noble, the minutes of the 11/17/06 meeting were approved.

3. On a motion by Dr. Hallam seconded by Dr. Scott the following course addition was approved:

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).

On a motion by Dr. Hallam seconded by Dr. Scott, addition of the following course was not approved. The council requested that the Art department consider changing the course name to Special Topics in Studio Art.

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

On a motion by Dr. Hallam seconded by Dr. Scott the following course additions were approved contingent upon the Art Department providing a syllabus for AH 505 which describes the differing requirements for graduate and undergraduate credit.

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).

On a motion by Dr. Eagles seconded by Dr. Scott the following course change requests from the Department of Biology were approved.
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: MICROTECHNIQUE. Techniques of fixing, embedding, sectioning, and staining tissue. Prerequisite: BISC 415. (4).

TO: BISC 518: MICROTECHNIQUE. 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).

On a motion by Dr. Nichols seconded by Dr. Hallam the following catalog changes were approved:

On page 47 of the 2006-07 Graduate Catalog:

SPECIFIC REQUIREMENTS FOR A MASTER OF SCIENCE DEGREE
**Credit Requirements** • A minimum of 30 semester hours of graduate credit acceptable to the advisory committee, including 6 thesis hours and at least 24 hours of course work, 18 of which must be formalized course work. All students must take BISC 691 during the semesters in which they present seminars. At least half of the courses, exclusive of thesis, must be in courses to which only graduate students are admitted. Only 6 hours may be transferred from other institutions. A cumulative average of not less than B (3.0) must be achieved in all graduate work taken. Specific requirements in addition to the minimum may be established by the advisory committee.

**SPECIFIC REQUIREMENTS FOR A DOCTOR OF PHILOSOPHY DEGREE**

**Credit Requirements** • A minimum of 54 semester hours of graduate credit acceptable to the advisory committee, including 18 dissertation hours and at least 36 hours of course work, 30 of which must be formalized course work. All students must take BISC 691 during the semesters in which they present seminars. At least half of the courses, exclusive of dissertation, must be courses to which only graduate students are admitted. A minimum of two years (36 hours) of residency, one year (18 hours) of continuous residency, and 18 hours of course work must be completed at The University of Mississippi. A cumulative average of not less than B (3.0) must be achieved in all graduate work taken. Specific requirements in addition to the minimum may be required by the advisory committee. The M.S. degree is not a prerequisite for the Ph.D. degree.

**ADD:** Starting with the 2007 calendar year, new graduate applications will normally be reviewed once per year during the early part of Spring Semester. Should an advisor have a particular reason for wishing an applicant to be reviewed at a different time, he/she may present a case to the Graduate Studies Committee, explaining the reason[s] the student's file should be reviewed at
On a motion by Dr. Letzring seconded by Dr. Scott the following request from the Journalism department was approved:

DELETE: JOUR 657: SEMINAR IN HUMAN COMMUNICATION THEORY. Readings in human communication theory from anthropology, philosophy, psychiatry, psycho-linguistics, psychology, neurophysiology, and sociology. (3).

On a motion by Dr. Letzring seconded by Dr. Scott, the following catalog change was approved:

On page 67 of the 2006-07 Graduate Catalog:

CHANGE: Thesis or thesis-project option • Students take a 30-semester-hour program of study, as follows: JOUR 651, 652, 654 and 655; 6 hours of graduate-level JOUR electives; 6 hours of graduate course work in an area of concentration outside the department; and 6 hours of JOUR 697 to complete a thesis or thesis project. A thesis project must be a professional work in an appropriate medium equal in scope to a formal thesis, i.e., based on a formal proposal encompassing problem analysis, literature review, method statement and bibliography. Both the thesis and the project require approval of a written prospectus and an oral examination. Students pursuing the thesis/thesis-project option must pass a written comprehensive examination before registering for thesis credits.

Nonthesis option • Students take a 30-semester-hour program of study, as follows: JOUR 651, 652, 654 and 655; 9 hours of graduate-level JOUR electives; and 9 hours of graduate course work in an area of concentration outside the department. Nonthesis students also must pass a written comprehensive examination.

TO: Thesis or thesis-project option • Students take a 30-semester-hour program of study, as follows: JOUR 651, 652, 654 and 655; 6 hours of graduate-level JOUR electives; 6 hours of graduate course work in an area of concentration outside the department; and 6 hours of JOUR 697 to complete a thesis or thesis project. A thesis project must be a professional work in an appropriate medium equal in scope to a formal thesis, i.e., based on a formal proposal encompassing problem analysis, literature review, method statement and bibliography. Both the thesis and the project require approval of a written prospectus and an oral examination. Students pursuing the thesis/thesis-project option must pass a written comprehensive examination before registering for thesis credits.

Nonthesis option • Students take a 30-semester-hour program of study, as follows: JOUR 651, 652, 654 and 655; 9 hours of graduate-level JOUR electives; and 9 hours of graduate course work in an area of concentration outside the department. Nonthesis students also must pass a written comprehensive examination.

On a motion by Dr. Eagles seconded by Dr. Letzring the following requests from the Math Department were approved:

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. (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).

On a motion by Dr. Letzring seconded by Dr. Hallam the following course addition was approved:

ADD: SPAN 561. ADVANCED TOPICS IN CINEMA OF THE SPANISH-SPEAKING WORLD. Advanced study of topics related to films made in Spanish from Spain or Spanish America. The topics may be in culture, aesthetics, language use, the history of film, cinema production, or other areas. In Spanish. (3)

On a motion by Dr. Letzring seconded by Dr. Noble addition of the following courses was approved:

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).

ADD: MUS 548. PSYCHOLOGY OF MUSIC. Study of cognitive, emotional, and social aspects of music; acoustics of music and relationship to hearing; and processing of music by the brain. Prerequisite: Graduate Standing. (3)

On a motion by Dr. Letzring seconded by Dr. Noble the request from the Music Department to seek IHL board approval to add the Ph.D. program in Music Education was approved.
4. On a motion by Dr. Hallam seconded by Dr. Scott following request from the Department of Communicative Disorders was approved:

ADD: CD 631. COMMUNICATION CHANGES IN AGING. Typical and atypical communication and swallowing abilities in the aging population. Emphasis will be placed on the underlying systemic changes and differential diagnosis of disorders in cognition, communication, and swallowing. Prerequisite CD 505. (3).

5. The meeting was adjourned.

______________________________________________
Maurice Eftink, Dean

______________________________________________
Robert C. Khayat, Chancellor

The minutes of the Graduate Council are unofficial until approved by the Chancellor.