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GRADUATE CURRICULUM COMMITTEE
THURSDAY, NOVEMBER 4, 2004, 3:30 P.M.
4th FLOOR CONFERENCE ROOM, ANDY HOLT TOWER

Present: Paul Frymier (Chair), Charles Collins, Amy Elias, Nan Gaylord, Tom George, David Golden, Charles Hamilton, Stefanie Ohnesorg, Brenda Rayman, Kay Reed, Lloyd Rinehart, Susan Smith, Bobbi Suttles.

Paul Frymier called the meeting to order at 2:00 p.m. The following agenda items were presented for information or approved by the committee as recommendations to the Graduate Council:

- Informational item – Correction of departmental name (insert comma after Sport)
Department of Exercise, Sport, and Leisure Studies
- Correction: October 7, 2004 Graduate Council Minutes – page G488
Law (613)
850 Securities Regulation (3)
Correction: Prereq or Coreq 827.
- Curricular Proposals
College of Education, Health and Human Sciences
- Courses Not Taught in Four or More Years to be dropped Fall 2005

The meeting adjourned at 5:00 p.m.

INFORMATIONAL ITEM – Department of Exercise, Sport, and Leisure Studies

Correction of departmental name (add comma after Sport):

From: "Tom George" <tgeorge1@utk.edu>
To: "Brenda Rayman" <brayman@utk.edu>
Date: 10/8/04 3:57PM
Subject: September 28 minutes

Brenda:

In the dept name change that just went through both councils, there is a missing "comma" between Sport and Leisure Studies. The dept takes its names from its three distinct programs: **Exercise, Sport, & Leisure Studies**. Without the comma, it looks like two. Sorry, I didn't catch this earlier.

Tom

Memo

To: Graduate Council
From: Tom George, College of Education, Health & Human Sciences
Date: October 21, 2004
Re: Graduate Curricular Changes for Next Council Meeting

The attached curricular changes were approved by the College of Education, Health & Human Sciences' Graduate Curricular Review Committee and are submitted to the Graduate Council for consideration. The following is a summary of these proposals:

- **Child & Family Studies:** Revise the Early Childhood Education Concentration requirements.
- **Health and Safety:** Revise two courses and add a graduate certificate in Applied Epidemiology. Drop the M.S. in Health Promotion and Health Education.
- **Instructional Technology and Educational Studies:** Revise one course.
- **Theory & Practice in Teacher Education:** Add two new courses, revise one existing course, and add a concentration to the Teacher Education major (M.S.) – Track 1: Science Education (Environmental Education).

In addition to the changes outlined above, we are also requesting approval to offer one Instructional Technology course and five Public Health courses in an **electronically mediated format**.

Please contact me if you have any questions or need additional information. Thank you.

COLLEGE OF EDUCATION, HEALTH AND HUMAN SCIENCES

DEPARTMENT OF CHILD AND FAMILY STUDIES

REVISE REQUIREMENTS FOR THE MS WITH A MAJOR IN CHILD AND FAMILY STUDIES, EARLY CHILDHOOD EDUCATION CONCENTRATION

- On page 184 of the 2004-2005 Graduate Catalog, 1st column, revise the description of the Early Childhood Education Concentration.

TO

Early Childhood Education Concentration

REQUIREMENTS

The early childhood education concentration is designed for students seeking a MS along with initial teacher licensure in early childhood education (pre-K through grade 4). At the University of Tennessee, Knoxville, students interested in the MS with a major in child and family studies (early childhood education concentration) must apply for admission to graduate study through the procedures outlined above. (Application for admission to the Teacher Education program in child and family studies, early childhood education, is a part of the application process to the graduate program and is described in the Undergraduate Catalog. Admission to the Teacher Education program is concurrent with admission to the child and family studies master's program.) The course of study (39 hours) for the child and family studies major with a concentration in early childhood teacher education includes: 9 credit hours in the child and family studies foundation courses; 24 credit hours in the early childhood education core (including completion of a research project in Child and Family Studies 569); 3 credit hours of computation- or consumer-based graduate statistics (Statistics 531, 537; Social Work 605; or Educational Psychology 550); 3 credit hours in early childhood education specialization electives; and a written comprehensive examination.

	Hours Credit
¹ Child and Family Studies Foundation Courses.....	9
² Childhood Education Core (includes licensure)	24
³ Computation or Consumer-base Statistics	3
⁴ Childhood Education Specialization Elective	3
Total	39

¹ Child and Family Studies 510, 511, 550.*

² Child and Family Studies 512 (3), 569 (3) 574 (2), 575 (12), 591 (4).

³ Statistics 531 or 537 or Social Work 605 or Counselor Education 520.

⁴ Select from list of courses with prior committee approval.

* Students complete an action research project in CFS 569, which is included in the Childhood Education Core.

Effective: Fall 2005

HEALTH AND SAFETY PROGRAMS (FORMERLY DEPARTMENT OF HEALTH AND EXERCISE SCIENCE)

I. Course Changes

Public Health (839)

ADD PREREQ

510 Environmental and Occupational Health (2) Prereq: Admission to MPH or Public Health Nutrition (MS) programs or consent of instructor.

Effective: Fall 2005

REVISE PREREQ

530 Biostatistics (3) Prereq: Admission to MPH or Public Health Nutrition (MS) programs or consent of instructor, and introductory statistics. (Formerly: Prereq: Introductory statistics or consent of instructor.)

Effective: Fall 2005

REQUEST FOR ELECTRONICALLY-MEDIATED FORMAT (**all effective: Fall 2005**)

520 Public Health Policy and Administration (3)

- Total Number of Weeks: 14
- Total Expected Student Time Commitment: 9 hours per week
- Course Designation: Tennessee On-line Course
- Student Site Requirements: This course requires weekly off-campus access to asynchronous reading materials and assignments plus once a week off-campus access to synchronous online student discussion board.
- What is the nature and quantity of structured student/instructor interaction?
The instructor interacts mainly through a one to two hour weekly synchronous online discussion board.
- What is the nature and quantity of structured student/student interaction?
Weekly scheduled online student discussion boards that require the posting of individual questions and answers to classmates' questions.

530 Biostatistics (3)

- Total Number of Weeks: 14
- Total Expected Student Time Commitment: 9 hours per week
- Course Designation: Tennessee On-line Course
- Student Site Requirements: Off campus access to asynchronous readings and assignments weekly and off campus access to synchronous online discussion board weekly.
- What is the nature and quantity of structured student/instructor interaction?
This course requires weekly discussion board participation of one to two hours, which provides a platform for a student question and answer period as well as general student/instructor interaction.
- What is the nature and quantity of structured student/student interaction?
A weekly discussion board of one to two hours is required and facilitates student/student interaction

540 Principles of Epidemiology (3)

- Total Number of Weeks: 14
- Total Expected Student Time Commitment: 9 hours per week
- Course Designation: Tennessee On-line Course
- Student Site Requirements: This course requires once a week off-campus access to synchronous online discussion board and weekly off-campus access to asynchronous reading material, quizzes and assignments.
- What is the nature and quantity of structured student/instructor interaction?
One-hour weekly synchronous online discussion board which allows for a question and answer session. Also, weekly assignments and quizzes will be evaluated by instructor.
- What is the nature and quantity of structured student/student interaction?
One-hour weekly scheduled online student discussion board that requires participation.

542 Advanced Epidemiologic Methods (3)

- Total Number of Weeks: 14
- Total Expected Student Time Commitment: 9 hours per week
- Course Designation: Tennessee On-line Course
- Student Site Requirements: This course requires weekly off campus access to asynchronous discussions and reading materials.
- What is the nature and quantity of structured student/instructor interaction?
Faculty interacts online with students daily Monday-Friday. Students submit homework papers each week which instructor comments on, grades, and returns weekly.
- What is the nature and quantity of structured student/student interaction?
Students are required to post initial discussion comments on Monday of each week, then submit follow-up comments throughout the work week. Students are assigned to either lead seminar questions or participate in these discussions.

580 Special Topics: Statistical Software for the Health Professional (3)

- Total Number of Weeks: 14
- Total Expected Student Time Commitment: 9 hours per week
- Course Designation: Tennessee On-line Course
- Student Site Requirements: This course will require weekly off-campus access to asynchronous reading material, assignments and activities.
- What is the nature and quantity of structured student/instructor interaction?
The instructor interacts mainly through a one to two hour weekly synchronous online discussion board.
- What is the nature and quantity of structured student/student interaction?
Weekly scheduled online student discussion boards that require the posting of individual questions and answers to classmates' questions.

II. Program Changes

DROP HEALTH PROMOTION AND HEALTH EDUCATION MAJOR – MASTER OF SCIENCE

- Revise Graduate Catalog to reflect this change on the following pages:
Page 13 - Graduate Degrees, Majors and Certificate Programs Chart
Page 201 – Majors list
Page 203 – Health Promotion and Health Education Major text

Effective: Fall 2005

ADD GRADUATE CERTIFICATE PROGRAM IN APPLIED EPIDEMIOLOGY

- On page 204 of the 2004-2005 Graduate Catalog, 1st Column following “Gerontology minor”, add certificate description as follows:

Certificate in Applied Epidemiology

The University of Tennessee MPH program, in a Consortium arrangement with East Tennessee State University, The University of Tennessee Health Science Center, and The Tennessee Department of Health, offers a graduate certificate in applied epidemiology for Health Department staff seeking continuing education and career advancement opportunities in the public health area of epidemiology. Delivered exclusively through electronically-mediated courses, the certificate is focused on the application of state-of-the-art epidemiological approaches to the prevention, detection and management of diseases in the population.

The 15-credit hour certificate is available by completing Public Health 520, 530, 540, 542, and 580, which may be satisfied by taking equivalent courses offered by East Tennessee State University and the University of Tennessee Health Science Center. For certificate students holding the MPH degree, other identified elective coursework may be used to satisfy certificate requirements, by petition.

- On page 180 of the 2004-2005 Graduate Catalog, 1st column under Graduate Certificate Programs, revise list of certificate offerings.

Graduate Certificate Programs

Four certificate programs are available in the college. The certificate in urban education is available through the Department of Theory and Practice in Teacher Education. The Department of Consumer Services Management offers a certificate in services management and a certificate in tourism development. A certificate in applied epidemiology is offered by the Master of Public Health Program.

Effective: Fall 2005

DEPARTMENT OF INSTRUCTIONAL TECHNOLOGY AND EDUCATIONAL STUDIES

I. Course Changes

Instructional Technology (569)

REVISE DESCRIPTION, ADD PREREQUISITE, AND REQUEST FOR ELECTRONICALLY-MEDIATED FORMAT

TO

575 Internet: Implications for Teaching and Learning (3) Investigation of Internet, its origin and historical development. Hands-on use of Internet for consuming, sharing, and publishing information. Relevant issues regarding legal and ethical issues, evaluation, responsible use, proprietary rights. Participants will need unrestricted access to a personal computer connected to the Internet to complete all course activities. Prereq: Admission to an ITES program or permission of instructor.

Description, Prerequisite Revision: Effective: Fall 2005

Electronically-Mediated Format: Effective Summer 2005

- Total Number of Weeks: 15 (full semester)
- Total Expected Student Time Commitment: in excess of 180 hours
- Course Designation: Tennessee-Online Course

- Student Site Requirements: This course will meet totally on-line via the Internet and WWW. The instructor will be available for face-to-face office hours, as needed. This meeting space will be the only physical site requirement for the course.
- What is the nature and quantity of structured student/instructor interaction?
The students will be required to work through a series of text-based tutorials on the HTML language. These lessons will be augmented by instructor examples and enhancements throughout the term. Additionally, the students will complete a series of 7 activities that require them to conduct independent research using the Internet and to collaborate by using various telecollaboration tools. The quantity of work required during the on-line course will be comparable to that previously required by this course when delivered in a face-to-face format.
- What is the nature and quantity of structured student/student interaction?
Students will interact via the course listserv, personal email and through threaded discussion groups and real time chats.

DEPARTMENT OF THEORY AND PRACTICE IN TEACHER EDUCATION

I. Course Changes

Education of the Deaf and Hard of Hearing (285)

REMOVE PREREQ

529 Teaching Reading to Deaf/Hard of Hearing (3)

(Formerly: Prereq: 415).

Effective: Fall 2005

Science Education (899)

ADD

509 Education for Sustainable Development: Making Connections (3) Holistic and interdisciplinary approach that encourages educators and learners to engage in dialogue in order to acquire through experiences and creativity skills and knowledge needed to maintain a balance between socio-economic, political and environmental goals.

Effective: Fall 2005

ADD

510 Theoretical Foundations of Environmental Education (3) Study of history and philosophy of environmental education (EE), pedagogical approaches, and current status, including model programs and standards for EE. Addresses implementation of EE in formal and non-formal educational settings. A technology-enhanced course with both online and fieldwork components.

Effective: Fall 2005

II. Program Changes

ADD NEW CONCENTRATION TO THE TEACHER EDUCATION MAJOR: **SCIENCE EDUCATION (ENVIRONMENTAL EDUCATION)** TRACK 1 (THESIS AND NON-THESIS) – MASTER OF SCIENCE

- On p. 220, insert the showcase for the new concentration after Reading Education Concentration (Non-Thesis Option) Track 1 showcase

Science Education (Environmental Education) Concentration Track 1 (Thesis Option)

	Hours	Credit
¹ Core.....	9	
² Concentration.....	12	
³ Related Studies	3	
Thesis: Theory and Practice in Teacher Education 500.....	6	
	Total	30

¹ Curriculum, Educational Research, and Evaluation 580; Theory and Practice in Teacher Education 517; 3 hours determined by student and advisor.

² Science Education 506, 509, 510; 3 hours determined by student and advisor.

³ Determined by student and advisor.

**Science Education (Environmental Education) Concentration Track 1
(Non-Thesis Option)**

	Hours	Credit
¹ Core.....	12	
² Concentration.....	15	
³ Related Studies	6	
	Total	33

¹ Curriculum, Educational Research, and Evaluation 580; Theory and Practice in Teacher Education 517; 6 hours determined by student and advisor.

² Science Education 506, 509, 510; 6 hours determined by student and advisor.

³ Determined by student and advisor.

Effective: Fall 2005

**Graduate Courses Not Taught in Four or More Years
TO BE DROPPED FALL 2005**

Note: See November 2, 2004 Undergraduate Council Minutes (page U571) for dropped 400-level courses.

COLLEGE	ACADEMIC DISCIPLINE CODE	COURSE
ARTS AND SCIENCES		
	(122)	Anthropology 514 (Anthropology of Development)
	(160)	Audiology/Spch Pathology 609 (Seminar in Speech Science)
	(198)	Botany 507 (Biological Illustration)
	(198)	Botany 585 (Methods and Instrumentation in Field Investigation)
	(266)	Computer Science 532 (Boolean Algebra, Logic Design and Microprocessors)
	(266)	Computer Science 536 (Theoretical Aspects of Computer-Aided Design)
	(266)	Computer Science 538 (Computer Networks)
	(278)	Ecology & Evolutionary Biology 520 (Ecology for Planners and Engineers)
	(424)	Geology 550 (Regional Geomorphology)
	(424)	Geology 620 (Seminar in Paleontology)
	(745)	Philosophy 547 (Ethical Issues in Mental Health)
	(782)	Planning 548 (Tourism Planning)
	(782)	Planning 560 (Strategic Planning and Policy Development)
	(801)	Political Science 615 (Formal Political Analysis)
	(830)	Psychology 557 (Applied Psychological Measurement)
	(830)	Psychology 575 (Psycho-pharmacology)
	(976)	Theatre 554 (Studies in Scenic Design)
BUSINESS ADMINISTRATION		
	(205)	Bus Admin 510 (Customer Responsive Management)
	(625)	Management 610 (Seminar in Advanced Organization Theory)
	(625)	Management 611 (Seminar in Strategic Management I)
	(625)	Management 612 (Seminar in Strategic Management II)
	(625)	Management 613 (Seminar in Strategic Management III)
COMMUNICATION AND INFORMATION		
	(560)	Information Sciences 522 (Organization and Representation of Multimedia Information Resources)
EDUCATION, HEALTH, AND HUMAN SCIENCES		
	(271)	Cultural Studies in Educ 546 (Topics in History of Education)
	(271)	Cultural Studies in Educ 547 (Topics in Philosophy of Education)
	(271)	Cultural Studies in Educ 648 (Topics in Sociology of Education)
	(726)	Nutrition 508 (Culture, Food, and Nutrition)
	(726)	Nutrition 524 (Nutrition Education: Principles, Implementation, and Evaluation)
ENGINEERING		
	(018)	Aerospace Engineering 516 (Air Vehicle Aerodynamics and Performance)
	(018)	Aerospace Engineering 529 (Rarefied Gasdynamics)
	(018)	Aerospace Engineering 631 (Magnetohydro-dynamics I)
	(018)	Aerospace Engineering 632 (Magnetohydro-dynamics II)
	(254)	Civil Engineering 555 (Public Transit Planning)
	(335)	Engineering Science 529 (Fatigue of Engineering Materials)
	(344)	Environmental Engineering 510 (Environmental Protection)
	(638)	Materials Science & Engineering 523 (Plastic Deformation of Metals)
	(638)	Materials Science & Engineering 622 (Theoretical Metallurgy)
	(638)	Materials Science & Engineering 623 (Solidification and Crystal Growth)
	(638)	Materials Science & Engineering 641 (Advanced Rheology and Viscoelastic Theory)
	(650)	Mechanical Engineering 514 (Phase Change Heat Transfer)