

TTU Curriculum Committee

Tennessee Technological University

The University Curriculum Committee met February 18, 2010 at 3:00 p.m. in the Deans Conference Room, Derryberry Hall.

Members Present

Dr. Jack Armistead	Dr. Homer Kemp
Dr. Curtis Armstrong	Mr. Ted LaBar
Dr. Pat Bagley	Dr. Marketta Laurila
Dr. Sue Bailey	Dr. Roy Loutzenheiser
Dr. Rita Barnes	Dr. Allan Mills
Dr. Dan Combs	Ms. Deanna Nipp-Kientz
Mr. Ward Doubet	Dr. James Raymondo
Ms. Edith Duvier	Dr. Stephen Robinson
Dr. Kurt Eisen	Ms. Beth Rogers
Dr. Susan Elkins	Dr. Matt Smith
Ms. Julie Galloway	Dr. Mark Stephens
Dr. Sheila Green	Dr. Doug Talbert
Dr. Bruce Greene	Ms. Janet Whiteaker
Dr. Bobby Hodum	Ms. Jerri Winningham
Dr. Sharon Huo	Mr. Matthew Bedford
Dr. Steve Isbell	Mr. Nick Reed
Dr. Pat Jordan	Ms. Ashley Wisekal
Dr. James Jordan-Wagner	

Members Absent

Dr. Jeff Boles	Dr. Francis Otuonye
MAJ Scott Dickey	Dr. Stephen Parke
Dr. David Elizandro	Dr. Larry Peach
Dr. Ahmed Elsayy	Dr. Paul Semmes
Dr. Darrell Hoy	Mr. Caleb Petty

Dr. David Huddleston
Ms. Beth Mannle

Ms. Laura Horton

Official Representatives

Dr. Holly Stretz for Dr. Arce
Dr. Robert Elmore for Dr. Fesler

Dr. Larry Knox for Dr. Harrison
Dr. Wali Kharif for Dr. Roberts

Guests

Dr. Rhonda Folio
Dr. Billey Foster
Dr. Laura Graves

Mr. Charlie Wilkerson
Dr. Brenda Wilson

SUMMARY OF PROCEEDINGS

- I. Approval of agenda as revised
- II. Approval of October 29, 2009 minutes
- III. Appointment of nominating committee for 2010-2011 chairperson
- IV. Catalog Changes to Accommodate new ESL Program - Information Only
- V. Approval of curriculum changes for Mild/Moderate Special Education from the Department of Curriculum and Instruction
- VI. Approval of course changes for ECSP 3200 from the Department of Curriculum and Instruction
- VII. Approval of curriculum changes for Comprehensive Special Education from the Department of Curriculum and Instruction
- VIII. Approval of curriculum changes for Art Education from the Department of Music and Art
- IX. Approval of curriculum changes for Painting from the Department of Music and Art
- X. Approval of course change for ACCT 3330 from the Department of Accounting
- XI. Approval of WCB curriculum changes from the Department of Foreign Languages
- XII. Approval of course addition for BMGT 4150 from the Department of Decision Sciences and Management
- XIII. Approval of course and curriculum changes from the Department of Physics
- XIV. Approval of curriculum changes from the Department of History
- XV. Approval of course changes from the Department of Chemical Engineering
- XVI. Approval of course changes from the School of Agriculture
- XVII. Approval of curriculum changes from the Department of English and Communications

XVIII. Approval of course and curriculum changes from the Department of Computer Science

XIX.

Additions:

SPED 4200 Autism Disorders (3)

Electives (2)

Deletions:

EXPW 2430 First Aid and CPR (2)

SPED 3810 Practicum for Assessment (1)

SPED 2821 Practicum for Procedures/Methods (1)

SPED 3811 Practicum for Applied Behavior Analysis (1)

Motion. Dr. Smith moved to approve the changes effective Fall 2010. The motion was seconded by Dr. Jordan and carried.

VI. Approval of Course Change from the Department of Curriculum and Instruction

In a memorandum dated January 15, 2010, approval was requested for the following:

Course Change for ECSP 3200:

From:

Prerequisites: CFS 2200, 2400, and ECED 3000 or the equivalents. Corequisite ECSP (ECED) 3210.

To:

Prerequisites: CFS 2200, 2400, and ECSP (ECED) 3001 or the equivalents.

Corequisite ECSP (ECED) 3211.

Motion. Dr. Smith moved to approve the change effective Summer 2010. The motion was seconded by Dr. Jordan and carried.

VII. Approval of Curriculum Changes from the Department of Curriculum and Instruction

In a memorandum dated February 1, 2010, approval was requested for the following:

Curriculum Changes:

Program of Study for Comprehensive Special Education Majors

Additions:

SPED 4200 Autism Disorders (3)

READ 3312 Literacy II (5)

ROED 3810 Field Experience (1)

Deletions:

Electives (4)

EXPW 2430 First Aid and CPR (2)

SPED 3810 Practicum for Assessment (1)

SPED 2821 Practicum for Procedures/Methods (1)

5.

Curriculum Changes:

Course Changes:

From:

PHYS 2110 Calculus-based Physics I Lec. 3, Cr. 3

Prerequisite or Corequisite: MATH 1920. Introduction to classical mechanics, mechanical waves.

To:

PHYS 2110 Calculus-based Physics I Lec. 3, Cr. 3

Prerequisite MATH 1920 (May be taken concurrently). Introduction to classical mechanics, mechanical waves.

From:

PHYS 2111 Calculus-based Physics Laboratory I Lec. 3, Cr. 1

Prerequisite or Corequisite: PHYS 2110. Experiments in classical mechanics, mechanical waves.

To:

PHYS 2111 Calculus-based Physics Laboratory I Lec. 3, Cr. 1

Prerequisite: PHYS 2110 (May be taken concurrently). Experiments in classical mechanics, mechanical waves.

From:

PHYS 2120. Calculus-based Physics II. Lec. 3. Credit 3.

Prerequisite: PHYS 2110. Prerequisite or Corequisite: MATH 2110 or MATH 2120. Introduction to classical electromagnetism and optics.

To:

PHYS 2120. Calculus-based Physics II. Lec. 3. Credit 3.

Prerequisite: PHYS 2110 and either MATH 2110 or MATH 2120 (MATH 2110 or MATH 2120 may be taken concurrently.) Introduction to classical electromagnetism and optics.

From:

PHYS 2121. Calculus-based Physics Laboratory II. Lab. 3. Credit 1.

Prerequisite: PHYS 2111. Prerequisite or Corequisite: PHYS 2120. Experiments in classical electromagnetism and optics.

To:

PHYS 2121. Calculus-based Physics Laboratory II. Lab. 3. Credit 1.

Prerequisite: PHYS 2111, PHYS 2120 (PHYS2120 may be taken concurrently). Experiments in classical electromagnetism and optics.

From:

PHYS 2920. Mathematical Physics. Lec. 3. Credit 3.

Corequisite: PHYS 2120 and MATH 2110. Mathematical methods for classical and modern physics. Selected topics from vector analysis, complex analysis and vector spaces, with emphasis on applications to physical systems.

To:

PHYS 2920. Mathematical Physics. Lec. 3. Credit 3.

Prerequisite: PHYS 2120 and MATH 2110 (Both may be taken concurrently.)

Mathematical methods for classical and modern physics. Selected topics from vector analysis, complex analysis and vector spaces, with emphasis on applications to physical systems.

From:

PHYS 3810-20. Quantum Mechanics. Lec. 3. Credit 3.

Prerequisites: PHYS 2420 and PHYS 2920. Prerequisite or Corequisite: MATH 4510. Introduction to principles of quantum mechanics and applications to simple systems.

To:

PHYS 3810. Quantum Mechanics I. Lec. 3. Credit 3.

Prerequisites: PHYS 2420, PHYS 2920, and MATH 4510 (MATH 4510 may be taken concurrently.) Introduction to principles of quantum mechanics.

PHYS 3820. Quantum Mechanics II. Lec. 3. Credit 3.

Prerequisite: PHYS 3810. Application of quantum mechanics to simple systems.

From:

PHYS 4610. Classical Electricity and Magnetism. Lec. 3. Credit 3.

Prerequisites: PHYS 2920. Prerequisite or Corequisite: MATH 4510. Theory of electrostatics, electrodynamics, Maxwell's equations. Prerequisites: PHYS 2420, PHY18345 Corequisite: MATH 4510.

1. In the physics curriculum, show PHYS 3120 and PHYS 3610 as being taken in either junior or senior year. In future, these courses will be offered in the fall semester on an alternating year schedule.
2. Show PHYS 4710 and PHYS 4720 as being available in both the junior and senior years. In future these two courses will be offered concurrently each spring semester. Option I students must take both courses; one in junior year and the other in senior year. Option II students need take only one of these two and so may choose to take it in either their junior or senior year.

Motion. Dr. Robinson moved to approve the changes effective immediately. The motion was seconded by Dr. Talbert and carried.

XIV. Approval of Curriculum Changes from the Department of History

In a memorandums dated December 2, 2009 and December 3, 2009, approval was requested for the following:

December 2 Memo

Curriculum Changes:

History majors pursuing both the BA and BS are currently required to take 3 hours English (Upper Division). We propose to change that to 3 hours English and Communications (ENGL, JOUR, LING, SPCH, SPCH COM, THEA or WEBD) (Upper Division).

History majors pursuing both the BA and BS are currently required to take 3 hours Political Science (Upper Division). We propose to change that to 3 hours Political Science, Sociology, Social Work or Criminal Justice (CJ, POLS, SOC or SW) (Upper Division).

December 3 Memo

Course Deletion:

History 3800 Main Currents in Modern European History Cr. 2

Motion. Dr. Kharif, representing Dr. Roberts, moved to approve the changes effective immediately. The motion was seconded by Dr. Stretz and carried.

XV. Approval of Course and Curriculum Changes from the Department of Chemical Engineering

In a memorandum dated February 2010, approval was requested for the following:

Course Changes:

FROM:

CHE 3111. Transfer Science I: Conduction, Radiation, and Diffusion. Lec. 3. Lab. 2. Credit 4.

Prerequisites: ~~CHE 2011, MATH 2110.~~ Energy and mass conservation principles. Experimental studies of heat and diffusive mass transfer. Design and operation of

systems for heat and mass transfer with applications to heat exchange and diffusive motion. ~~CHE 2011, MATH 2110 may be taken concurrently.~~

TO:

CHE 3111. Transfer Science I: Conduction, Radiation, and Diffusion. Lec. 3. Lab. 2. Credit 4.

Prerequisites: CHE 2011 AND MATH 2120. Energy and mass conservation principles. Experimental studies of heat and diffusive mass transfer. Design and operation of systems for heat and mass transfer with applications to heat exchange and diffusive motion. CHE 2011, MATH 2120 may be taken concurrently.

FROM:

CHE 3121. Transfer Science II: Fluid Mechanics. Lec. 3. Lab. 2. Credit 4.

Prerequisite: CHE 2011 and CHE 3111

FROM:

Individual Curricula, Chemical Engineering. Note 5.

Three hours of CHE Technical Electives must come from one of the following courses:

1. CHE 4950 – MEMS
2. CHE 4661– Transport in Biochemical and Biological Processes
3. CHE 4990 – Introduction to Research

TO:

Individual Curricula, Chemical Engineering. Note 5.

Three hours of CHE Technical Electives must come from one of the following courses:

1. CHE 4330 – Polymer Engineering
2. CHE 4661 – Transport in Biochemical and Biological Processes
3. CHE 4950 – MEMS
4. CHE 4990 – Undergraduate Research

FROM:

Individual Curricula, Chemical Engineering, Biomolecular Engineering Concentration. Note 3.

This technical elective can be any of the following courses:

- a. BIOL 4750 Medical Microbiology
- b. CHE 4990 Introduction to Research
- c. BIOL 4850 Applied Microbiology
- d. BIOL 4740 Pollution Microbiology
- e. BIOL 4040 Immunology
- f. BIOL 3810 General Genetics

TO:

This technical elective can be any of the following courses:

- a. BIOL 3810 - General Genetics
- b. BIOL 4040 – Immunology
- c. BIOL 4740 – Pollution Microbiology
- d. BIOL 4750 – Medical Microbiology
- e. BIOL 4850 – Applied Microbiology
- f. CHE 4330 Polymer Engineering
- g. CHE 4990 – Undergraduate Research

Prerequisite: Consent of instructor. Special study in an approved area of agricultural education under the supervision of a member of the School of Agriculture faculty.

AGET 4940-4950-~~4960-4970-4980~~ (5940-5980). Agricultural Engineering Technology Topics. Credit 1-4.

Prerequisite: Consent of instructor. Special study in an approved area of agricultural engineering technology under the supervision of a member of the School of Agriculture faculty.

AGRN 4940-4950-~~4960-4970-4980~~ (5940-5980). Agronomy Topics. Credit 1-4.

Prerequisite: Consent of instructor. Special study in an approved area of agronomy under the supervision of a member of the School of Agriculture faculty.

AGRN ~~4945- 4955-4965-4975-4985~~ (5945-5985). Soil Science Topics. Credit 1-4.

Prerequisite: Consent of instructor. Special study in an approved area of soil science under the supervision of a member of the School of Agriculture faculty.

ANS 4940-4950-~~4960-4970-4980~~ (5940-5980). Animal Science Topics. Credit 1-4.

Prerequisite: Consent of instructor. Special study in an approved area of animal science under the supervision of a member of the School of Agriculture faculty.

AGHT 4940-4950-~~4960-4970-4980~~ (5940-5980). Horticulture Topics. Credit 1-4.

Prerequisite: Consent of instructor. Special study in an approved area of horticulture under the supervision of a member of the School of Agriculture faculty.

Motion. Dr. Greene requested that the dashes between the course numbers be replaced with a comma. He moved to approve the changes effective August 1, 2010. The motion was seconded by Dr. Isbell and carried.

XVII. Approval of Curriculum Changes from the Department of English and Communications

Lec. 3. Credit 3.

An introduction to the technical, aesthetic and ethical aspects of digital photography with an emphasis on photojournalism and visual storytelling.

Program of Study Revision

Last year the journalism curriculum was revised to offer several emphasis areas in order for students to meet their personal and professional goals. After implementation of the new options, journalism advisors recognized the need for better clarity in describing the journalism program of study to students pursuing the options and to graduation analysts. Attached is the current program of study along with the proposed/revised program of study. Changes include the following:

- a. we specifically list under option F the literature courses that can be taken (formerly the traditional track)
- b. we are adding a course to the writing track option, ENGL 4531 Grammar and Language
- c. we are moving the Math requirement to the freshman year
- d. we are moving the humanities/fine arts elective to the junior year
- e. we are moving ENGL 2330 to the sophomore year
- f. we are moving POLS 3330 to the junior year (in the news editorial sequence)
- g. we are moving SOC 4430 to the junior year (in the public relations sequence)
- h. we are deleting the 1-hour elective listed under the sophomore year because of the credit hour addition in JOUR 3370.

Curriculum Change

- a. Delete EXPW2142 Teaching of Team and Individual Sports (2 hours) in the Sports Media Option class list and
- b. Delete JOUR 3400 Introduction to Broadcast Journalism (3 hours) in the Sports Media Option class list.

Replace with EXPW4171 Exercise and Sport Psychology; EXPW 4540 Ethical Issues in Sport; and EXPW 4550 Sport Governance.

Motion. Dr. Kemp moved to approve the changes effective immediately. The motion was seconded by Dr. Robinson and carried.

XVIII. Approval of Course and Curriculum Changes from the Department of Computer Science

In a memorandum dated January 26, 2010, approval was requested for the following:

Course Deletions:

CSC 3620 File Processing

CSC 4955/5955 Information Assurance and Security Case Studies

XX. Approval of Curriculum Change from the Department of Sociology and Political Science

In a memorandum dated January 22, 2010, approval was requested for the following:

Curriculum Change:

From:

ELECTIVES 6 hours (listed in the junior year)

To:

HIST 3 hours Upper Division

ENGL 3 hours Upper Division

Motion. Dr. Raymondo moved to approve the change effective Fall 2010. The motion was seconded by Dr. Eisen and carried.

Other Such Matters

Dr. Loutzenheiser reminded committee members that revisions for the undergraduate catalog need to be to Jerri Winningham by February 26.

The meeting was ajourned.

This page maintained by [Lorrie McCracken](#)

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