

UNIVERSITY CURRICULUM COMMITTEE
September 19, 2013

The University Curriculum Committee met on Thursday, September 19 at 3:00 p.m. in the Dean's Conference Room, Derryberry Hall, Room 200.

Members present:

Dr. Melinda Anderson	Dr. Linda Null
Dr. Curtis Armstrong	Dr. Richard Rand
LTC Dominic Ciaramitaro	Dr. Mohan Rao
Dr. Kristine Craven	Dr. James Raymondo
Mr. Ward Doubet	Dr. Jeff Roberts
Ms. Edith Duvier	Dr. Joe Roberts
Dr. Kurt Eisen	Dr. Stephen Robinson
Dr. Ahmed Elsayy	Ms. Beth Rogers
Dr. Steve Frye	Mr. Steve Smith
Dr. Julie Galloway	Dr. Barry Stein
Dr. Mark Groundland	Dr. Jeremy Wendt
Dr. Mike Harrison	Ms. Janet Whiteaker
Dr. Bobby Hodum	Ms. Jerri Winningham
Dr. Sharon Huo	Ms. Christina Bechard
Dr. Steve Isbell	Ms. Jessica Henkle
Dr. Wayne Johnson	
Dr. Allan Mills	
Dr. Ben Mohr	

Members absent:

Mr. Jeff Adams	Dr. Liz Mullens
Dr. Pedro Arce	Dr. Paul Semmes
Dr. Rita Barnes	Dr. Matt Smith
Dr. Jeff Boles	Dr. Mark Stephens
Dr. Billye Foster	Mr. Westlee Walker
Dr. Bahman Ghorashi	Ms. Andrea Shook
Dr. James Jordan-Wagner	Ms. Kelsey Jozwik
Dr. Roy Loutzenheiser	Ms. Alicen
Dr. Joseph Rencis	Ms. Casey Willmore

Official representatives:

Ms. Demetria Mells for Dr. Baker	Ms. Kim Hanna for Ms. Russell
Ms. Sharon Holderman for Dr. Bates	Dr. Michael Clark for Dr. Shank
Dr. Chris Brown for Dr. Cook	Dr. David Hume for Dr. Talbert
Dr. Tammy Boles for Dr. Geist	Dr. Russ Witcher for Dr. Wilson

Guests:

Ms. Denise Burgess	Ms. Cari Williams
Ms. Brandi Hill	Dr. Jack Matson

SUMMARY OF PROCEEDINGS

Announcements

1. Approval of Agenda as revised
2. Approval of March 21, 2013 minutes
3. Approval of course additions, deletion, changes and curriculum changes from the Department of Electrical Engineering and Computer Science
4. Approval of course addition, change and curriculum changes from the Department of Communication (SPCH)
5. Approval of course additions, changes and curriculum changes from the Department of Communication (JOUR)
6. Approval of course changes from the Department of Mathematics
7. Approval of course additions and curriculum changes from the Department of Sociology and Political Science
8. Approval of course addition and change from the Department of Foreign Languages
9. Approval of addition and curriculum changes from the Department of Curriculum & Instruction
10. Approval of course change from the Department of Curriculum & Instruction
11. Approval of course change from the Department of Biology
12. Approval of course change from the Department of Basic Engineering
13. Approval of course additions and curriculum changes from the Department of Manufacturing and Engineering Technology
14. Postpone proposal from Chemical Engineering to October 31st meeting
15. General Education course change – Mathematics and Geology – Information only
16. Approval of course change from the Department of Decision Sciences and Management
17. Approval of course prerequisite or co-requisite change from the Department of Decision Sciences and Management
18. Approval of curriculum change from the Department of Decision Sciences and Management
19. Approval of change of concentration name from the Department of Decision Sciences and Management
20. Approval of new concentration from the Department of Decision Sciences and Management
21. Approval of course addition from the School of Interdisciplinary Studies
22. Approval of course additions from the School of Interdisciplinary Studies
23. Approval of course addition from the School of Environmental Studies
24. Approval of course changes from the School of Environmental Studies
26. Approval of course addition and curriculum change from the Department of History
27. Appointment of Ad Hoc Subcommittee for the Definition of a Credit Hour

PROCEEDINGS

1. Approval of Agenda as Revised

Dr. Anderson requested the following revisions to the agenda. 1) withdraw memorandum from the Department of Curriculum and Instruction (READ 6600); 2) item 16-change title from Environmental and Sustainability Studies to School of Environmental Studies; 3) move item #7 to Item #6 and item #6 to item #7; 4) move item #11 to item #3, moving all other item down one position.

Motion. Dr. Elsayy moved to approve the agenda as revised. The motion was seconded by Dr. Isbell and carried.

2. Approval of March 21, 2013 Minutes as Revised

Dr. Anderson requested a non-substantive editorial revision for NURS 4990 to be repeatable by adding the following statement – “Students may take a total of up to 6 hours of Special Topics hours with no more than 3 hours on a single topic. Up to 6 hours may be taken for upper division.”

Motion. Dr. Mills moved to approve the minutes as revised. The motion was seconded by Dr. Elsayy and carried.

3. Approval of Course Additions, Changes and Curriculum Changes from the Department of Electrical and Computer Engineering

In a memorandum dated September 5, 2013, approval was requested for the following:

Course Additions

ECE 4931 - Research Topics. Credit 1.

Prerequisite: Consent of instructor. Development of research proposal including problem definition, literature review, and identification of potential research approaches.

ECE 4932 - Research Topics. Credit 2.

Prerequisite: Consent of instructor. Execution of research proposal developed in ECE 4931, culminating in a final report including experimental or simulation results.

ECE 4933 - Research Topics. Credit 3.

Prerequisite: Consent of instructor. Development of research proposal including problem definition, literature review, and identification of potential research approaches. Execution of research proposal developed, culminating in a final report including experimental or simulation results.

Course Deletions

ECE 4930 - Research and Design. Credit 3.

Prerequisite: Senior ECE standing and consent of instructor. Problems in the field of electrical engineering having considerable scope as a research and design problem. (Because of the impossibility of duplicating the conditions on special research and design problem(s), this course may not be repeated for improvement of a grade.)

Course Changes

FROM:

ECE 3010 - Signals and Systems. Lec. 3. Credit 3.

Prerequisite: ECE 2001, ~~ECE 2010~~, ECE 2020 and MATH 2120 (~~ECE 2001 and/or ECE 2020 may be taken concurrently~~). Time-domain and frequency-domain analysis of signals and systems, applications of Fourier series, Fourier transform, and Laplace transform in circuits and systems; Analog filters.

TO:

ECE 3010 - Signals and Systems. Lec. 3. Credit 3.

Prerequisite: ECE 2001, ECE 2020 and MATH 2120. Time-domain and frequency-domain analysis of signals and systems, applications of Fourier series, Fourier transform, and Laplace transform in circuits and systems; Analog filters.

FROM:

ECE 4610 (5610) - Power System Analysis. Lec. 3. Credit 3.

Prerequisite: ECE 3610. Power system components modeling in steady state, per unit calculations, power flow analysis, applications of commercial software.

TO:

ECE 4610 (5610) - Power System Analysis. Lec. 3. Credit 3.

Prerequisite: ECE 3610. Power system components modeling in steady state, per unit calculations, **transmission line steady state operation**, power flow analysis, applications of commercial software.

FROM:

ECE 4620 (5620) - Power System Operation and Control. Lec. 3. Credit 3.

Prerequisite: ECE 4610 (5610). Symmetrical components, fault analysis, system protection, power system controls including: automatic generation control, voltage regulation, and economic dispatch, ~~switching transient stability~~.

TO:

ECE 4620 (5620) - Power System Operation and Control. Lec. 3. Credit 3.

Prerequisite: ECE 4610 (5610). Symmetrical components, fault analysis, system protection, **transient stability**, power system controls including: automatic generation control, voltage regulation, and economic dispatch.

Curriculum Changes

CmpE: None

EE: None

EE with Mechatronics Concentration:

- Move ECE 4140 from the Senior year to the Junior year.
- Move MATH 3470 from the Junior year to the Senior year.

Motion. Dr. Johnson moved to approve the changes effective Spring 2014. The motion was seconded by Dr. Elsayy and carried.

4. Approval of Course Addition, Change and Curriculum Change from the Department of Communication

In a memorandum dated August 26, 2013, approval was requested for the following:

Course Addition

SPCH 2430 Interpersonal Communication Lec. 3, Credit 3

Prerequisite: SPCH 2410 Introduction to Speech Communication. This course examines basic verbal and nonverbal elements affecting communication between individuals in family, peer group, and work contexts. Students are presented with the principles, concepts, attitudes, skills, and techniques necessary for successful interaction in one-to-one settings. The main emphasis is placed on effective management of personal and professional relationships.

Course Change

From: SPCH 4430 Interpersonal Communication

To: SPCH 4430 Interpersonal Communication, Prerequisite: SPCH 2430 or consent of instructor

Curriculum Changes:

In the Junior year delete JOUR 3760 History and Law of Journalism and replace with the **new** course JOUR 3750 History of Journalism

In the Sophomore year put **new** SPCH 2430 Interpersonal Communication course in place of SPCH 3610 Foundations of Speech. Move SPCH 3610 Foundations of Speech into Junior year. Change the number of Electives from 9 hrs. to 6 hrs. in Junior year.

Motion. Dr. Witcher, representing Dr. Wilson, moved to approve the changes effective Fall 2014. The motion was seconded and carried.

5. Approval of Course Additions, Changes and Curriculum Changes from the Department of Communication

In a memorandum dated August 26, 2013, approval was requested for the following:

Course Additions

JOUR 3750 History of Journalism Lec. 3, Credit 3

Prerequisite: JOUR 2220 Mass Communication in a Changing Society. The history of the press from colonial times to the present. Emphasis on major trends, persons, events.

JOUR 3770 Law of Journalism Lec. 3, Credit 3

Prerequisite: JOUR 2220 Mass Communication in a Changing Society. The law of the press from colonial times to the present.

Course Deletion

JOUR 3670 History and Law of Journalism

EFFECTIVE: Fall 2014

Course Changes

From: JOUR 4460 (5460) Public Relations-Cases and Practices Lec. 3, Credit 3
Prerequisite: JOUR 3460. Practical aspects of public relations emphasized. Case studies considered. Builds on knowledge and expertise acquired in JOUR 3460.

To: JOUR 4460 (5460) Public Relations-Cases and Practices Lec. 3, Credit 3
Prerequisites: JOUR 3460 and either JOUR 3350 Newspaper Production and Design OR JOUR 4360 Magazine Production and Design. Practical aspects of public relations emphasized. Case studies considered. Builds on knowledge and expertise acquired in JOUR 3460.

Change in the prerequisite for JOUR 4460 Public Relations-Cases and Practices to include **as well JOUR 3350** Newspaper Production and Design **or JOUR 4360** Magazine Production and Design.

EFFECTIVE: Spring 2014

Curriculum Changes

In the junior year, delete POLS 3330 State and Local Government and replace with the **new** course JOUR 3750 History of Journalism in the news editorial option.

In the junior year, delete SOC 4430 People in Organizations and replace with the **new** course JOUR 3750 History of Journalism in the public relations option.

In the junior year, delete JOUR 3760 History and Law of Journalism and replace with the **new** course JOUR 3770 Law of Journalism in both the news editorial and public relations options.
In the senior year, delete SOC 1650 Social Problems and replace with SOC elective in both the news editorial and public relations options.

In the senior year, delete SOC 2660 Criminology and replace with SOC elective in the news editorial option.

In the sophomore year, delete SPCH 4430 Advanced Interpersonal Communication and replace with the **new** course SPCH 2430 Interpersonal Communication in both the news editorial and public relations options.

EFFECTIVE: Fall 2014

Motion. Dr. Witcher moved to approve the changes. The motion was seconded by Mr. Doubet and the motion carried.

6. Approval of Course Changes from the Department of Mathematics

In a memorandum dated August 29, 2013, approval was requested for the following:

Course Changes

FROM:

MATH 1710. Pre-calculus I. Lec. 3. Credit 3.

Review of algebra; relations and functions and their graphs, including polynomial and rational functions; conic sections; inequalities, arithmetic, and geometric sequences and series. Credit will not be given for both MATH 1710 and MATH 1730.

MATH 1720. Pre-calculus II. Lec. 3. Credit 3.

Circular functions and radian measure, graphs of the trigonometric functions, trigonometric identities, and equations, the inverse trigonometric functions, polar coordinates. Applications involving triangles, vectors in the plane and complex numbers. Credit will not be given for both MATH 1720 and MATH 1730.

MATH 1730. Pre-Calculus Mathematics. Lec. 5. Credit 5.

Prerequisites: Two years of high school algebra, one year of high school geometry, and 12 weeks of trigonometry. Review of algebra and trigonometry; relations and functions and their graphs, including polynomial and rational functions; conic sections; inequalities; polar coordinates; complex numbers; and advanced topics in algebra. Credit will not be given for both MATH 1730 and any of MATH 1710 and MATH 1720.

TO:

MATH 1710. Pre-calculus I. Lec. 3. Credit 3.

Prerequisites: ACT Math score of 22 or higher or equivalent COMPASS score or C or better in MATH 1000.

Review of algebra; relations and functions and their graphs, including polynomial and rational functions; conic sections; inequalities, arithmetic, and geometric sequences and series. Credit will not be given for both MATH 1710 and MATH 1730.

MATH 1720. Pre-calculus II. Lec. 3. Credit 3.

Prerequisites: ACT Math score of 22 or higher or equivalent COMPASS score or C or better in MATH 1000.

Circular functions and radian measure, graphs of the trigonometric functions, trigonometric identities, and equations, the inverse trigonometric functions, polar coordinates. Applications involving triangles, vectors in the plane and complex numbers. Credit will not be given for both MATH 1720 and MATH 1730.

MATH 1730. Pre-Calculus Mathematics. Lec. 5. Credit 5.

Prerequisites: ACT Math score of 25 or higher or equivalent COMPASS score. Two years of high school algebra, one year of high school geometry, and 12 weeks of trigonometry.

Review of algebra and trigonometry; relations and functions and their graphs, including polynomial and rational functions; conic sections; inequalities; polar coordinates; complex numbers; and advanced topics in algebra. Credit will not be given for both MATH 1730 and any of MATH 1710 and MATH 1720.

Motion. Dr. Mills moved to approve the changes effective Fall 2014. The motion was seconded by Dr. Isbell and carried.

7. Approval of Course Additions and Curriculum Changes from the Department of Sociology and Political Science

In a memorandum dated August 23, 2103, approval was requested for the following:

Course Additions

POLS 4901 Independent Study Credit 1 hour

Prerequisite: Consent of instructor. Supervised research and reading in any area where there is no appropriate course offering. May be taken twice, provided the topic is different.

POLS 3130 Moot Court Lec. 3, Credit 3

Prerequisite: POLS 1000 or consent of the instructor. A study of the legal research, logic, appellate strategies, courtroom behavior, and etiquette associated with preparing, presenting, and arguing cases before an appellate court judge or justices.

POLS 4250 Political Communication Lec. 3, Credit 3

Prerequisite: POLS 1000 or consent of the instructor. An analysis of the relationship between the news media and politics. How do news organizations determine what is newsworthy? How do they report news? Do those reports affect the political opinions of viewers? Do they affect political outcomes? Students will learn theories and debates that have emerged in top political science journals within the past 15 years, ultimately gaining a broad understanding of the effect of mass communication on the political system.

Motion. Dr. Raymondo moved to approve the additions effective Fall 2014. The motion was seconded by Dr. Stein and carried.

Curriculum Changes

Proposed changes in the POLS Concentration in International Relations Comparative Government (IRCG):

FROM IRCG Concentration:

Junior Year:

Political Science (9 hours) from:

POLS 4100 or 3610 or 3670 or 3650 or 3200 or 4510

Senior Year:

Political Science (9 hours) from:

POLS 3100 or 3101 or 3300 or 3310 or 3320 or 3500 or 4220 or 4520 or 4920 or 4960 or 4950 or
POLS Special Topics in International or Comparative content

TO IRCG Concentration:

Junior Year:

Political Science (9 hours) from:

POLS 4100 or 3610 or 3670 or 3650 or 3200 or 4510 or **POLS Special Topics in International or Comparative content.**

Senior Year:

Political Science (9 hours) from:

POLS 3100 or 3101 or 3300 or 3310 or 3320 or 3500 or 4220 or **4250** or 4520 or 4920 or 4960 or 4950 or POLS Special Topics in International or Comparative content.

Motion. Dr. Raymondo moved to approve the changes effective as soon as possible. The motion was seconded by Dr. Stein and carried.

8. Approval of Course Addition, Change and Curriculum Change from the Department of Foreign Languages

In a memorandum dated August 26, 2013, approval was requested for the following:

Course Addition

FREN/GERM/SPAN 4925 Teaching Licensure Senior Capstone Lec. 2, Credit 2

Prerequisite: Senior standing. Restricted to and required for all students pursuing a degree in Bachelor of Arts in French, German, or Spanish with SEED Licensure. This course is taken in the fall semester of the senior year. Exceptions must be approved by the Chair of the Department of Foreign Languages. In accordance with the School of Education, this course must be completed before entering teaching residency.

Students will work individually, under the guidance of a faculty member, to create a portfolio and prepare a presentation to faculty and other students. In this course, students will integrate, enhance, and demonstrate the knowledge and skills learned during their undergraduate education in the areas of: speaking, listening comprehension, reading, writing and cultural literacy in the target language. Students will demonstrate knowledge/competency in the state knowledge and skills requirements as described below.

Curriculum Change (footnote)

For French-option 1, German-option 1, and Spanish-option 1

ADD the following footnote to FREN/GERM/SPAN 4920 course in senior year:

“Students pursuing Teacher Licensure must take SPAN 4925: Teaching Licensure Senior Capstone instead of SPAN 4920: Senior Capstone.” Students pursuing teaching licensure will take FOED 3800 for 1 credit hour in the spring semester of their junior year.

Motion. Dr. Groundland moved to approve the addition and footnote change effective Spring 2014. The motion was seconded by Dr. Stein and carried.

Course Change:

From:

FREN/GERM/SPAN 4920 Senior Capstone Ind. 3. Credit 3.

Prerequisite: Senior standing. This course is normally taken during the last semester before graduation. Exceptions must be approved by the chair of the Department of Foreign Languages.

Students will work individually, under the guidance of a faculty member, to create a portfolio and prepare a presentation to faculty and other students. In this course, students will enhance and demonstrate their cultural literacy, knowledge, and skills in the target language, integrating the three modes of communication: interpretive (listening and reading), presentational (speaking and writing), and interpersonal (listening, speaking, reading, and writing). Students' achievements will reflect a level of competency comparable to the Tennessee knowledge and skills goals as described below. This course is required for all majors.

To:

FREN/GERM/SPAN 4920 Senior Capstone Ind. 3. Credit 3.

Prerequisite: *Consent of the Chair of the Foreign Language Department. Senior Standing required, normally taken during the last semester before graduation.*

Students will work individually, under the guidance of a faculty member, to create a portfolio and prepare a presentation to faculty and other students. In this course, students will enhance and demonstrate their cultural literacy, knowledge, and skills in the target language, integrating the three modes of communication: interpretive (listening and reading), presentational (speaking and writing), and interpersonal (listening, speaking, reading, and writing). Students' achievements will reflect a level of competency comparable to the Tennessee knowledge and skills goals as described below. **This course is required for all foreign language majors, except for those students pursuing teaching licensure. They are required to take 4925: Teaching Licensure Senior Capstone.**

Motion. Dr. Groundland moved to approve the change effective Spring 2014. The motion was seconded. Dr. Groundland requested a friendly amendment to the motion to revise the prerequisite, as shown in italics. The revision was acceptable to the seconder and the motion carried.

9. Approval of Curriculum Addition and Changes from the Department of Curriculum and Instruction

In a memorandum dated September 4, 2013, approval was requested for the following:

Curriculum Changes

Addition:

FOED 3800 Field Experience in Education (1) add to SEED French, SEED German, SEED Spanish Programs of Study.

Changes:

SEED French Program of Study:

Please change FREN 4920-Senior Capstone, 3 credit hours, to

FREN 4925-Teaching Licensure Senior Capstone, 2 credit hours.

SEED German Program of Study:

Please change GERM 4920-Senior Capstone, 3 credit hours, to

GERM 4925-Teaching Licensure Senior Capstone, 2 credit hours.

SEED Spanish Program of Study:

Please change SPAN 4920-Senior Capstone, 3 credit hours, to

SPAN 4925-Teaching Licensure Senior Capstone, 2 credit hours.

Motion. Dr. Wendt moved to approve the changes effective Fall 2013. The motion was seconded by Dr. Groundland and carried.

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

In a memorandum dated September 4, 2013, approval was requested for the following:

Course Change

From:

READ 3312 Literacy II Lec. 5, Credit 5

Prerequisite: Full admission to the Teacher Education Program. This course is an integration of concepts fundamental to the development of literacy from birth through middle grades. It includes a study of language development and communication skills, language arts, content area reading, and the assessment and selection of appropriate instructional strategies based upon student need.

To:

READ 3312 Literacy II – Middle School Reading Program Lec. 7, Credit 7

Prerequisite: Full admission to the Teacher Education Program. This course is an integration of concepts fundamental to the development of literacy from birth through middle grades. It includes a study of language development and communication skills, language arts, content area reading, and the assessment and selection of appropriate instructional strategies based upon student need.

Motion. Dr. Wendt moved to approve the change effective immediately. The motion was seconded by Dr. Eisen and carried.

11. Approval of Course Change from the Department of Biology

In a memorandum dated August 26, 2013, approval was requested for the following:

Course Change

From:

BIOL 1115 General Zoology

To:

BIOL 1114 General Zoology

Motion. Dr. Brown, representing Dr. Cook, moved to approve the change effective Spring 2014. The motion was seconded by Dr. Roberts and carried.

12. Approval of Course Change from the Department of Basic Engineering

In a memorandum received September 9, 2013, approval was requested for the following:

Course Change

FROM:

ENGR 1210. Introduction to Engineering. Lec. and Lab. 2. Credit 1.

Introduction to engineering and engineering technology, the engineering problem solving method, introduction to design, basic problem solving and computer skills, study, and personal development skills.

TO:

ENGR 1210. Introduction to Engineering. Lec. and Lab. 2. Credit 1.

Introduction to engineering and engineering technology, the engineering problem solving method, ~~introduction to~~ engineering design, ~~basic problem solving and computer skills, study, and personal development skills~~ and engineering ethics.

Motion. Dr. Cravens moved to approve the change effective Spring 2014. The motion was seconded by Dr. Elsayy and carried.

13. Approval of Course Additions and Curriculum Change from the Department of Manufacturing and Engineering Technology

In a memorandum dated September 5, 2013, approval was requested for the following:

Course Additions

MET 4550/5550 Maintenance, Replacement and Reliability Engineering Lec. 3, Credit 3
Prerequisite: Senior or graduate standing in engineering, engineering technology or business.
Reliability networks, failure mode and effect analysis, apportionment, availability, maintainability, fault trees and human reliability. *Design project required.*

MET 4650/5650 Lean Six Sigma Manufacturing Lec. 3, Credit 3
Prerequisites: Senior or graduate standing in engineering, engineering technology or business.
Review of current engineering and technology techniques relevant to manufacturing, service, quality and productivity. Design project required.

Curriculum Change

Add to the list of courses in the MET curriculum – Emphasis II – Technology Management

Motion. Dr. Elsayy moved to approve the changes effective Spring 2014. The motion was seconded by Dr. Rao.

Dr. Elsayy requested that “Design project required” be included in the MET 4550/5550 course description. This was accepted as a friendly amendment and the motion carried.

14. Proposal from the Department of Chemical Engineering

Motion. Dr. Elsayy moved to postpone the proposal until the October 31 meeting, as there was not a representative from the Department of Chemical Engineering to present the proposal. The motion was seconded by Dr. Rand and carried.

15. General Education Course Changes – Informational Only

Dr. Eisen presented the following changes to the General Education list of classes:

General Education – Mathematics

Remove MATH 1410 Survey of Elementary math I from the list of TTU general education mathematics courses

Add MATH 1420 Survey of Elementary Math II to the list of TTU general education mathematics courses

General Education – Natural Sciences

Add GEOG 2010 Introduction to Meteorology to the TTU general education list for natural Sciences

Effective: Fall 2014

16. Approval of Course Change from the Department of Decision Sciences and Management

In a memorandum dated August 30, 2013, approval was requested for the following:

Course Change

From:

DS 3620 Management Science Lec. 3, Credit 3

Prerequisite: ECON 3610. Applications of management science methods to business problem solving. Enrollment in junior- or senior-level DS courses requires junior standing. All business majors must have completed the Basic Business Program.

To:

DS 3620 Business Analytics: Data Driven Decision Making Lec. 3, Credit 3

Prerequisites: DS 2810, ECON 3610. Business Analytics is the use of data and quantitative methods to help managers gain insight about business operations. This course will provide the fundamental concepts and tools needed to understand the role of business analytics in organizations.

Motion. Dr. Armstrong moved to approve the changes effective Spring 2014. The motion was seconded by Dr. Rand and carried.

17. Approval of Course Prerequisite or Co-requisite Change from the Department of Decision Sciences and Management

In a memorandum dated August 23, 2013, approval was requested for the following:

Addition of Prerequisite or co-requisite

From:

BMGT 4930

Prerequisites: FIN 3210, MKT 3400, BMGT 3510

To:

BMGT 4930

FIN 3210, MKT 3400, BMGT 3510, **DS 3520**

Motion. Dr. Armstrong moved to approve the change effective Spring 2014. The motion was seconded by Dr. Stein and carried.

18. Approval of Curriculum Change from the Department of Decision Sciences and Management

In a memorandum dated August 30, 2013, approval was requested for the following:

Curriculum Change – Production and Operations concentration

From:

Six hours of approved college credit in ISE or MIT

To:

Six hours of approved college credit in MET

Motion. Dr. Armstrong moved to approve the change effective Spring 2014. The motion was seconded by Dr. Stein and carried.

19. Approval of Concentration Name Change from the Department of Decision Sciences and Management

In a memorandum dated August 30, 2013, approval was requested for the following:

Change in the name of the Management Information Systems concentration

From:

Management Information Systems within the Business Management major

To:

Business and Information Technology within the Business Management major

Motion. Dr. Armstrong moved to approve the change effective Spring 2014. The motion was seconded by Dr. Rand and carried.

20. Approval of New Concentration from the Department of Decision Sciences and Management

In a memorandum dated August 30, 2013, approval was requested for the following:

New Concentration – Business Intelligence and Analytics within the Business Management major

The new concentration will require the addition of one course and the revision of two existing courses. The titles and descriptions are listed below.

Additional Course – DS 4510:

Course Number and Title: DS 4510 – Business Intelligence and Analytics Capstone

Course Description: Prerequisite DS 4210; Prerequisite or Co-requisite DS 4220. This course brings together foundations of business intelligence and analytics by using a wide array of techniques to solve real-world business problems and support business decision-making.

Additional Course – DS 4210:

Course Number and Title: DS 4210 – Business Intelligence

Course Description: Prerequisite DS 3860. Business Intelligence (BI) is the process of collecting data from a variety of sources and providing it to decision-makers in a form that enhances business value. This course will provide an understanding of data organization, BI processes and techniques, and how to transform data to support business decision-making.

Additional Course – DS 4220:

Course Number and Title: DS 4220 – Advanced Business Analytics

Modified Course Description: Prerequisite DS 3620. This course provides an in-depth examination of the benefits and challenges of implementing analytics in a business environment. It also covers advanced topics in data analysis that will assist managers in making better decisions.

(NOTE: On file in Academic Affairs Office – course syllabi, TBR form, TBR cover, TTU cover, financial sheet, BI&A curriculum)

Motion. Dr. Armstrong moved to approve the new concentration effective Fall 2014. The motion was seconded by Dr. Stein and carried.

21. Approval of Course Addition from the School of Interdisciplinary Studies

In a memorandum dated September 4, 2013, approval was requested for the following:

Course Addition

LIST 4100 Adult Learning Lec. 3, Credit 3

Prerequisite: None. Jr/Sr status is recommended

Introduction to principles of adult learning and the application of these principles to teaching, training, and personal development.

Motion. Dr. Frye moved to approve the addition. The motion was seconded by Dr. Joe Roberts and carried.

22. Approval of Course Additions from the School of Interdisciplinary Studies

In a memorandum dated September 6, 2013, approval was requested for the following:

Course Additions

LIST (SPED) 4050 Sign Language I Lec. 3, Credit 3

Introduction to and development of a basic vocabulary in Signed English concepts in the use of alternative methods of communication.

LIST 4090 (SPED) Sign Language II Lec. 3, Credit 3

Prerequisite: LIST 4050. Continuation of vocabulary development in Signed English and appreciation of practical situations in various professional fields.

Motion. Dr. Frye moved to approve the additions. The motion was seconded by Dr. Joe Roberts and carried.

23. Approval of Course Addition from the School of Environmental Studies

In a memorandum dated August 27, 2013, approval was requested for the following:

Course Addition

ESS 4900 Internship Credit 3

Prerequisite: At least 9 hours in ESS coursework and junior standing.

Students are placed in a public or private agency or organization which is compatible with their interests in environmental and sustainability studies.

Motion. Dr. Tammy Boles, representing Dr. George, moved to approve the addition effective Spring 2014. The motion was seconded by Dr. Frye and carried.

24. Approval of Course Changes from the School of Environmental Studies

In a memorandum dated August 27, 2013, approval was requested for the following:

Course Changes

From:

ESS 1100. Introduction to Environmental Studies. Credit 3.

This course is an introductory course to the field of environmental studies. Environmental problems are complex, involving interconnections between people, ecosystems and the biosphere. The solution to these problems requires an understanding of diverse areas of study, including chemistry, biology, ecology, toxicology, hydrology, psychology, sociology, anthropology, economics, ethics, history, law, politics, literature and communication.

To:

ESS 1100. Introduction to Environmental Studies. Lec. 3. Credit 3.

This course is an introductory course to the field of environmental studies. Environmental problems are complex, involving interconnections between people, ecosystems and the biosphere. The solution to these problems requires an understanding of diverse areas of study, including chemistry, biology, ecology, toxicology, hydrology, psychology, sociology, anthropology, economics, ethics, history, law, politics, literature and communication.

From:

ESS 3000 - Introduction to Environmental Law. Credit 3.

The course presents the basics of environmental laws from local governments to international

agreements emphasizing U.S. laws and the roles of federal and state agencies in our domestic legal.

To:

ESS 3000 - Introduction to Environmental Law Lec. 3 Credit 3.

Prerequisite: Junior standing or consent of instructor. The course presents the basics of environmental laws from local governments to international agreements emphasizing U.S. laws and the roles of federal and state agencies in our domestic legal. **The interaction of law with policy formulation, implementation and enforcement, and opportunities for citizen involvement are reviewed.**

From:

ESS 4001 - Society and the Environment: Capstone Experience Part I Credit 3.

Prerequisite: Senior standing. The course is the first semester of a two semester sequence that will be a case study to learn about the environmental issues and possible solutions. The first semester course will address interdisciplinary approaches to environmental issues, research methods and grantsmanship.

To:

ESS 4001 - Society and the Environment: Capstone Experience Part 1.
Lec. 3 Credit 3.

Prerequisite: Senior standing. The course is the first semester of a two semester sequence that will be a case study to learn about the environmental issues and possible solutions. The first semester course will address interdisciplinary approaches to environmental issues, research methods and grantsmanship.

From:

ESS 4002 - Society and the Environment: Capstone Experience Part 2.
Credit 3.

Prerequisite: ESS 4001. The course topic will focus on a specific environmental issue facing society. The course will be conducted as a case study to learn about the environmental issues and possible solutions.

To:

ESS 4002 - Society and the Environment: Capstone Experience Part 2.
Lec. 3 Credit 3.

Prerequisite: ESS 4001. The course topic will focus on a specific environmental issue facing society. The course will be conducted as a case study to learn about the environmental issues and possible solutions.

From:

ESS 4300 - Environmental Management System Credit 3.

The course is a case study that presents the student with the techniques, technologies, regulations and strategies that define industrial pollution prevention.

To:

ESS 4300 - Environmental Management System Lec. 3 Credit 3.

The course is a case study that presents the student with the techniques, technologies, regulations and strategies that define industrial pollution prevention.

Curriculum Changes

All ESS Majors

From:

ECON 2010. Principles of Microeconomics Credit: 3. or

AGBE 2010. World Food and Society Credit: 3.

To:

ECON 2010. Principles of Microeconomics Credit: 3.

From:

AGBE 2010. Is not required for the option.

To:

AGBE 2010. World Food and Society is required for the ESS-SCI-NR curriculum and the number of elective hours will be reduced by 3 credits to reflect the change.

ESS – SCI-NR only

From:

AGRN 3020. Crops in Sustainable Systems is an optional course for the ESS-SCI-NR curriculum.

To:

AGRN 3020. Remove from the ESS-SCI-NR curriculum and increase the number of elective hours by 3.

From:

AGET 3110. Natural Resource System. Credit 2 is an optional course in the ESS-SCI-NR curriculum.

To:

AGET 3110. Natural Resource System. Credit 2 and **AGET 3115**. Natural Resource Systems Lab. Credit 1 which is a co-requisite to AGET 3110 Natural Resource Systems together should count as 1 optional course for a total of 3 credit hours.

ESS – TECH only

From:

ENGR 1310. Excel/Visual Basic-Engrs. Credit 2 is required for the Environmental Technology curriculum.

To:

ENGR 1310. Excel/Visual Basic-Engrs. Credit 2 Remove and replace with PHYS 2010 Algebra-based Physics I. Credit 4 and reduce number of elective hours by 2 credits to reflect the change.

Motion. Dr. Tammy Boles moved to approve the changes effective immediately. The motion was seconded by Dr. Frye and carried.

25. Approval of Course Addition and Curriculum Change from the Department of History

In a memorandum dated August 28, 2013, approval was requested for the following:

Course Addition

HIST 4880-4889 Studies in Legal History Lec. 3, Credit 3
Considers issues relating to legal history.

Motion. Dr. Jeff Roberts moved to approve the addition effective immediately. The motion was seconded by Dr. Raymondo and carried.

Curriculum Change

Program change for HIBA and HIBS

Change the HIST 4990 requirement on both the HIBA and HIBS degrees to 499x

Motion. Dr. Jeff Roberts moved to approve the change effective immediately. The motion was seconded by Dr. Joe Roberts and carried.

26. Appointment of Ad Hoc Subcommittee for the Definition of a Credit Hour

Dr. Huo stated that in connection with TTU's upcoming SACSCOC Reaffirmation, TTU is required to review and redefine the definition of a credit hour.

Dr. Anderson announced the Subcommittee members: Mr. Ward Doubet, chairperson; Dr. Brad Cook; Dr. Bedelia Russell; Dr. Ben Mohr; Dr. Michael Best

The subcommittee will submit the new language at the next University Curriculum Committee meeting on Thursday, October 31.

The meeting adjourned at 4:30.