

MINUTES OF THE UNDERGRADUATE CURRICULUM COMMITTEE MEETING
March 30, 2005

PRESENT: Byars (MGT), Choi (BIOL), Clark (SGA), Davis (ECE), Guzdial (COC), Kingsley (PUBP), Kohl (ChBE), McIver (REG), Parsons (MGT), Rudolph (ARCH), Schatz (PHYS), Snell (BIOL), Stasko (COC), Williams (ECE), Wills (ECE)

VISITORS: Carson (REG), Hughes (ECE), Lohman (PROV), Marin (ML), Rollins (OIE),

1. A motion was made to approve the Minutes of the February 23, March 9 and March 16, 2005 meetings. The motion was seconded and approved. Unanimous.
2. The COLLEGE OF ENGINEERING requested that the following course be made inactive.

DEACTIVATE
COE 1361

3. The COLLEGE OF MANAGEMENT requested that the following courses be made inactive.

DEACTIVATE
MGT 4901, 4902, 4903

4. The SCHOOL OF ELECTRICAL AND COMPUTER ENGINEERING requested the approval of the following new courses. A motion was made to approve the courses. The motion was seconded and approved. Unanimous.

NEW COURSES
ECE 2699 Undergraduate Research
ECE 4699 Undergraduate Research

5. The SCHOOL OF CHEMISTRY AND BIOCHEMISTRY requested the following new courses. A motion was made to approve the request. The motion was seconded and approved. Unanimous.

NEW COURSES
CHEM 4801-5 Special Topics in Chemistry and Biochemistry 1-5 hours

6. The MUSIC DEPARTMENT requested that the following courses be changed from lecture/supervised lab to lecture/unsupervised lab. A motion was made to approve the change. The motion was seconded and approved. Unanimous.
MUSI 3450, 3500, 4450, 4522, 4630, 4650, 4670.
7. The SCHOOL OF INTERNATIONAL AFFAIRS requested the awarding of a posthumous degree and to have all grades for the student's last two changed to W's. A motion was made to approve the request. The motion was seconded and approved. Unanimous.
8. The SCHOOL of EARTH AND ATMOSPHERIC SCIENCE and the SCHOOL of CHEMISTRY AND BIOCHEMISTRY requested the following new courses. A motion was made to approve the courses. The motion was seconded and approved. Unanimous.

NEW COURSES

EAS 4410 Climate and Global Change (3-0-3).

EAS 2551 Introduction to Meteorological Analysis (0-3-1).

EAS/CHEM 4740 Atmospheric Chemistry (3-0-3)

DEACTIVATE

EAS 4640

9. The DEPARTMENT OF NAVAL SCIENCE requested the following new courses and the deactivation of several courses. A motion was made to approve the request. The motion was seconded and approved. Unanimous

NEW COURSES

NS 4320 – Naval Operations and Seamanship. (3-0-3)

NS 2323 – Navigation. (3-0-3)

NS 3325 – Naval Weapons Systems. (previously NS 4321 Naval Engineering II). (3-0-3)

NS 3326 – Naval Engineering Systems (previously NS 2322 Naval Engineering I).(3-0-3)

DEACTIVATE

NS 2322 – Naval Engineering I (replaced by NS 3326).

NS 3321 – Navigation I (replaced by NS 3325).

NS 3323 – Navigation II (replaced by NS 4320).

NS 4321 – Naval Engineering II (replaced by NS 3325).

10. The SCHOOL OF PUBLIC POLICY requested the following changes to the Pre-Law Certificate and the Law, Science and Technology Minor. A motion was made to approve the changes. The motion was seconded and approved. Unanimous.

Add PUBP 4609, Legal Practice to list of core courses and change the number of hours required for core courses from 6 to 3 hours.

11. The SCHOOL of MODERN LANGUAGES requested the following new courses. A motion was made to approve the request. The motion was seconded and approved. Unanimous.

NEW COURSES

SPAN 4236 Media, Markets and Advertising in the Hispanic World. (3-0-3)

SPAN 4235 Food, Culture and Society. (3-0-3)

SPAN 4242 Latin American Art: Vision and Voice. (3-0-3)

SPAN 4254 Hispanic Film. (3-0-3)

12. The SCHOOL OF CHEMICAL AND BIOMOLECULAR ENGINEERING requested the following new course. A motion was made to approve the request. The motion was seconded and approved. Unanimous.

NEW COURSE

CHBE 4535 Chemical Product Design, Engineering & Optimization (3-0-3)

13. The IUCC discussed a new policy on the preparation and enrollment of undergraduate teaching assistants. After discussion and amendment, the following policy was proposed. A seconded motion to approve was made. Unanimous.

Institute Policy on Undergraduate Teaching Assistants

In an effort to improve undergraduate teaching assistant effectiveness and improve teaching and research activity measurement, the Institute Undergraduate Curriculum Committee recommends the following procedures for all Undergraduate Teaching Assistants (UGTAs) to become effective 1 January 2006.

- Schools which employ UGTAs should no longer allow these students to register for courses primarily intended for other purposes (e.g., 490x, 4951). Instead new courses with standardized institute-wide naming, must be created for all schools employing UGTAs. Examples are given below. This course can be taken multiple times.

ME 2696	Teaching Assistant	audit, non/billable	for those being paid
ME 2697	Teaching Assistantship	credit, billable	for those not paid
ME 4696	Teaching Assistant	audit, non/billable	for those being paid
ME 4697	Teaching Assistantship	credit, billable	for those not paid

- All students employed as UGTAs must take before or during their first term of service "CETL 2000 Undergraduate Teaching Assistant Preparation". This course is taken only once.
 - In circumstances where UGTAs complete complementary work that is graded for course credit (i.e., teaching portfolios, educational software development, etc.), this effort is separately reflected in a special topics course as arranged with departmental faculty.
14. The CENTER FOR THE ENHANCEMENT OF TEACHING AND LEARNING requested the approval for the following new courses. Three of these courses are training courses for tutors and teaching assistants and two are for students working towards teacher certification. A motion was made to approve the request. The motion was seconded and approved. Unanimous

NEW COURSES.

CETL 2000: Undergraduate Teaching Assistant Preparation. (1-0-1)

CETL 2001: Fundamentals of Peer Tutoring(1-0-1)

CETL 2002: Fundamentals of K-12 Tutoring. (1-0-1)

CETL 4001: Principles of Learning and Teaching I. (2-3-3)

CETL 4002: Principles of Learning and Teaching II.(1-6-3)

15. The Undergraduate Research Committee requested approval of the Undergraduate Research Option. This option would appear as a comment on the student's transcript but would not appear on the diploma. To receive this designation the student must complete 9 hours of supervised research over a period of preferably three but at least two terms. In addition the student must complete a 2 hours thesis writing course and an undergraduate thesis or other substantial written report showing the results of the research. After discussion, a motion was made to approve the request. The motion was seconded and approved. Unanimous.
16. The SCHOOL OF LITERATURE, COMMUNICATION, AND CULTURE requested the approval of the following new course. A motion was made to approve the request. The motion was seconded and approved. Unanimous.

NEW COURSE

LCC 4700 Undergraduate Thesis Writing (2-0-2)

17. The SCHOOL OF LITERATURE, COMMUNICATION AND CULTURE requested the following new option in Biomedicine and Culture Option. This track follows the pattern of the STaC Media Studies and Gender Studies options, but substitutes a discipline-specific introductory-level course, substitutes an alternative capstone seminar, and emphasizes work in biomedicine and related STaC issues courses. In addition to the new option, three new courses were submitted for approval. A motion was made to approve the request. The motion was seconded and approved. Unanimous.

NEW COURSES

LCC 2300 Intro to Biomedicine and Culture (3-0-3)

LCC 3218 Literature and Medicine (3-0-3)

LCC 4300 Seminar in Biomedicine and Culture (3-0-3)

18. The SCHOOLS OF ELECTRICAL AND COMPUTER ENGINEERING AND MECHANICAL ENGINEERING requested the following new courses. A motion was made to approve the request. The motion was seconded and approved. Unanimous

NEW COURSES

ECE/ME 4753 Topic in Engineering Practice (3-0-3)

19. The SCHOOL OF MECHANICAL ENGINEERING requested the following changes to the curriculum and new course. A motion was made to approve the request. The motion was seconded and approved. Unanimous

The following is a summary of the changes that have been made without changing the total number of credit hours needed to graduate (126).

ME 2211 will be replaced by COE 2001, a 2 hour statics course and ME 3201 will be replaced by COE 3001, a 3 hour deformable bodies course. These changes allow us to participate in the new common college courses in these areas.

ME 3056 (2 hours) will be replaced by ME 3057, a 3 hour lab and technical writing course. A significant technical writing portion is to be added to the 3056 material. The new course proposal and supporting documentation is attached.

ECE 3301 will no longer be required. We felt that there was extensive overlap with material currently covered in the ME courses.

ME 4055 will no longer be required. This is a one hour senior research lab course. We are pushing an individual undergraduate research experience for students using the ME 4699 (3 hour) designation.

Either ME 3180 (mechanical systems design) or ME 4315 (thermal systems design) is required, but not both. By this point in the curriculum, the students have usually decided which of these two areas of mechanical engineering they will pursue.

Six hours of technical electives will be replaced by 6 hours of ME electives, 3000 level or above. New courses will be developed to increase the number of available ME elective courses as the curriculum is implementation.

Six hours of free electives will be required. These can be any course taught at the Institute, or transferable into the Institute, at the 2000 level or above.

NEW COURSE

ME 3057 Experimental Methodology and Technical Writing (2-2-3)

DEACTIVATE

ME 3056

20. The following requests were made by various schools to revise the curricula to allow their students to participate in the International Plan. A motion was made to approve the requests. The motion was seconded and approved. Unanimous

a) Specific departmental requests:

AE / CEE / EE / CmpE: Modify the Social Sciences requirement to read as follows: Social Sciences, twelve hours: must include HIST 2111, HIST 2112, POL 1101, PUBP 3000, or INTA 1200; must include ECON 2100, ECON 2105, ECON 2106, or a course satisfying the Global Economics requirement of the International Plan degree designation.

EE

(1) Delete LCC 3401 (2 hours)

(2) Reduce Engineering Electives from 9 hours to 8 hours

(3) Increase ECE Electives from 20 hours to 23 hours

Modify the Engineering Electives requirement to read as follows: Engineering electives, eight hours, must include (a) thermodynamics: AE 3450, ME 3322, or ME 3720; (b) probability/statistics: CEE/ISYE/MATH 3770 or ISYE 2027; and (c) AE

2120, BMED 3400, CEE 2020, COE 2001, ME 2211, MSE 2001, or a course at the 3000-level or above in the College of Engineering, outside ECE. All other courses must be approved by the School.

Blanket substitution of 2 credit hours of approved electives for LCC 3401 for students graduating under degree requirements from earlier curriculum years.

Blanket substitution of 1 credit hour of approved electives for 1 credit hour of engineering electives for students graduating under degree requirements from earlier curriculum years.

NOTE: Modify suggested 8-semester schedule as follows: Semester 3: delete LCC 3401, add 3 hours Humanities Elective, 18 total hours Semester 8: delete Humanities Elective, change ECE Elective to 7 hrs, change Engineering Elective to 2 hrs, 15 total hours

CmpE

Delete LCC 3401 (2 hours)

Increase Approved Electives from 6 hours to 9 hours

Decrease ECE/CS Electives from 14 hours to 13 hours

Blanket substitution of 2 credit hours of approved electives for LCC 3401 for students graduating under degree requirements from earlier curriculum years.

NOTE: Modify suggested 8-semester schedule as follows: Semester 3: delete LCC 3401, add 3 hours Humanities Elective, 18 total hours Semester 6: delete Humanities Elective, add 3 hours Approved Elective Semester 7: change ECE/CS electives to 3 hrs, 15 total hours 3. Modify course prerequisites, as follows: a. ECE 2031 – CS 1322 and ECE 2030 b. ECE 4000 – senior standing and ECE 3040 (concurrency allowed) and (ECON 2100 or ECON 2105 or ECON 2106) and (CEE 3770 or ISYE 3770 or MATH 3770 or ISYE 2027)

21. The SCHOOL OF ECONOMICS requested the following curriculum changes and new course. A motion was made to approve the changes. The motion was seconded and approved. Unanimous

Modification of the degree requirements for the Bachelor of Science in Economics.

There is no net change in the credit hours required for the degree.

Reduce the number of Economics Elective from 18 to 9 hours

Increase the number of Free Elective from 11 to 20 hours

NEW COURSE

ECON 2101 The Global Economy (3-0-3)

22. The following changes related to the International Plan were requested by departments:

ARCHITECTURE

The proposal is as follows: Allow students to pursue the International Plan degree designation in conjunction with satisfaction of the BS [Architecture Undesignated] degree requirements.

Students could satisfy the course requirements for the degree designation within the 131 credit hours for the degree through appropriate selection of electives, as follows:

- a. Language courses - Humanities Electives
- b. International Coursework: 1) International Relations - Free Elective; 2) Global Economics - Social Science Elective; 3) Area-Focused Course - Free Elective
- c. International Experience: 26wk minimum
- d. Culminating/Integration Course – Study Abroad Design Studio

The Architecture Program would not impose any additional restrictions on pursuit of the degree designator.

COMPUTER SCIENCE

Allow students to pursue the International Plan degree designation in conjunction with satisfaction of the BS Computer Science degree requirements. The School will not impose any additional restrictions on pursuit of the degree designator.

Students can satisfy the course requirements for the degree designation within the existing credit hours for the degree through appropriate selection of electives. For example:

- a) Global economics, international relations, and area-focused courses – social sciences electives
- b) Culminating course – free elective or incorporated into other coursework
- c) Language courses – humanities electives (6 hours) and, if needed, free electives (6 hours)

AEROSPACE ENGINEERING

1. Modification of the degree requirements for the Bachelor of Aerospace Engineering. There is no net change in the number of credit hours required for the degree.

a. Modify the Social Sciences requirement to read as follows:

Social Sciences, twelve hours: must include HIST 2111, HIST 2112, POL 1101, PUBP 3000, or INTA 1200; must include ECON 2100, ECON 2105, ECON 2106, or a course satisfying the Global Economics requirement of the International Plan degree designation.

2. Allow students to pursue the International Plan degree designation in conjunction with satisfaction of the BSAE degree requirements. The School will not impose any additional restrictions on pursuit of the degree designator.

Students can satisfy the course requirements for the degree designation within the existing credit hours for the degree through appropriate selection of electives. For example:

- a) Global economics, international relations, and area-focused courses – social sciences electives
- b) Culminating course – approved electives or incorporated into capstone design project

- c) Language courses – humanities electives (6 hours) and free electives (6 hours)

CIVIL AND ENVIRONMENTAL ENGINEERING

1. Modification of the degree requirements for the Bachelor of Science in Civil Engineering. There is no net change in the number of credit hours required for the degree.

- a. Modify the Social Sciences requirement to read as follows:

Social Sciences, twelve hours: must include HIST 2111, HIST 2112, POL 1101, PUBP 3000, or INTA 1200; must include ECON 2100, ECON 2105, ECON 2106, or a course satisfying the Global Economics requirement of the International Plan degree designation; refer to pages 31-32 for a list of approved courses to satisfy the remaining hours.

2. Allow students to pursue the International Plan degree designation in conjunction with satisfaction of the BSCE degree requirements. The School will not impose any additional restrictions on pursuit of the degree designator.

Students can satisfy the course requirements for the degree designation within the existing credit hours for the degree through appropriate selection of electives. For example:

- a) Global economics, international relations, and area-focused courses – social sciences electives
- b) Culminating course – approved electives or incorporated into other coursework
- c) Language courses – humanities electives (6 hours) and, if needed, approved electives (6 hours)

ELECTRICAL AND COMPUTER ENGINEERING

1. Modification of the degree requirements for the Bachelor of Science in Electrical Engineering. There is no net change in the number of credit hours required for the degree.

- a. Delete LCC 3401 (2 hours)
- b. Reduce Engineering Electives from 9 hours to 8 hours
- c. Increase ECE Electives from 20 hours to 23 hours
- d. Modify the Social Sciences requirement to read as follows:

Social Sciences, twelve hours: must include HIST 2111, HIST 2112, POL 1101, PUBP 3000, or INTA 1200; must include ECON 2100, ECON 2105, ECON 2106, or a course satisfying the Global Economics requirement of the International Plan degree designation; refer to pages 31-32 for a list of approved courses to satisfy the remaining hours.

- e. Modify the Engineering Electives requirement to read as follows:

Engineering electives, eight hours, must include (a) thermodynamics: AE 3450, ME 3322, or ME 3720; (b) probability/statistics: CEE/ISYE/MATH 3770 or ISYE 2027; and (c) AE 2120, BMED 3400, CEE 2020, COE 2001, ME 2211, MSE 2001, or a course at the 3000-level or above in the College of Engineering, outside ECE. All other courses must be approved by the School.

- f. Blanket substitution of 2 credit hours of approved electives for LCC 3401 for students graduating under degree requirements from earlier curriculum years.
- g. Blanket substitution of 1 credit hour of approved electives for 1 credit hour of engineering electives for students graduating under degree requirements from earlier curriculum years.

NOTE: Modify suggested 8-semester schedule as follows: Semester 3: delete LCC 3401, add 3 hours Humanities Elective, 18 total hours Semester 8: delete Humanities Elective, change ECE Elective to 7 hrs, change Engineering Elective to 2 hrs, 15 total hours

- 2. Modification of the degree requirements for the Bachelor of Science in Computer Engineering. There is no net change in the number of credit hours required for the degree.
 - a. Delete LCC 3401 (2 hours)
 - b. Increase Approved Electives from 6 hours to 9 hours
 - c. Decrease ECE/CS Electives from 14 hours to 13 hours
 - d. Modify the Social Sciences requirement to read as follows:

Social Sciences, twelve hours: must include HIST 2111, HIST 2112, POL 1101, PUBP 3000, or INTA 1200; must include ECON 2100, ECON 2105, ECON 2106, or a course satisfying the Global Economics requirement of the International Plan degree designation; refer to pages 31-32 for a list of approved courses to satisfy the remaining hours.

- e. Blanket substitution of 2 credit hours of approved electives for LCC 3401 for students graduating under degree requirements from earlier curriculum years.

NOTE: Modify suggested 8-semester schedule as follows: Semester 3: delete LCC 3401, add 3 hours Humanities Elective, 18 total hours Semester 6: delete Humanities Elective, add 3 hours Approved Elective Semester 7: change ECE/CS electives to 3 hrs, 15 total hours

- 3. Modify course prerequisites, as follows:
 - a. ECE 2031 – CS 1322 and ECE 2030
 - b. ECE 4000 – senior standing and ECE 3040 (concurrency allowed) and (ECON 2100 or ECON 2105 or ECON 2106) and (CEE 3770 or ISYE 3770 or MATH 3770 or ISYE 2027)
- 4. Allow students to pursue the International Plan degree designation in conjunction with satisfaction of the BSEE or BSCmpE degree requirements. The School will not impose any additional restrictions on pursuit of the degree designator.

Students can satisfy the course requirements for the degree designation within the existing credit hours for the degree through appropriate selection of electives. For example:

- a. Global economics, international relations, and area-focused courses – social sciences electives

- b. Culminating course – approved electives or incorporated into other coursework
- c. Language courses – humanities electives (6 hours) and, if needed, approved electives (6 hours)

INDUSTRIAL AND SYSTEMS ENGINEERING

1. Modification of the degree requirements for the Bachelor of Science in Industrial Engineering. There is no net change in the number of credit hours required for the degree.
 - a. Modify the requirement of ECON 3150 (Economic and Financial Modeling) or MGMT 3078 (Finance and Investments) to ECON 3150 (Economic and Financial Modeling) or MGMT 3078 (Finance and Investments) or a course satisfying the Global Economics requirement of the International Plan degree designation.
2. Allow students to pursue the International Plan degree designation in conjunction with satisfaction of the BSIE degree requirements. Students could satisfy the course requirements for the degree designation within the 128 credit hours for the degree through appropriate selection of electives, as follows:
 - a. Global economics – Economics/Finance elective
 - b. International relations – social science elective
 - c. Language courses – humanities electives (6 hours) and, if needed, approved electives (6 hours)
 - d. Culminating course – incorporated into senior design (ISyE 4106)

The School would not impose any additional restrictions on pursuit of the degree designator.

HISTORY, TECHNOLOGY AND SCIENCE

Allow STUDENTS to pursue the International Plan degree designation in conjunction with satisfaction of the BSHTS degree requirements. The School will not impose any additional restrictions on pursuit of the degree designator.

Because the BSHTS degree allows for 30 hours of free electives, students can satisfy the course requirements for the IP designation within the existing credit hours for the BS degree through appropriate selection of free electives.

INTERNATIONAL AFFAIRS

1. Note that there is no modification of the degree requirements for the Bachelor of Science in International Affairs. There is no net change in the number of credit hours required for the degree. Note that the inclusion of credit for some required courses taken at foreign institutions may count toward degree requirements with advisors' approval.
2. Allow students to pursue the International Plan degree designation in conjunction with satisfaction of the INTA degree requirements. The School will not impose any additional restrictions on pursuit of the degree designator.

Students can satisfy the course requirements for the degree designation within the existing credit hours for the degree through appropriate selection of electives and required courses. For example:

- a) Global economics, international relations, and area-focused courses – social sciences electives, and in many cases these courses typically count toward the INTA degree requirements themselves.
- b) Culminating course – approved electives or incorporated into other coursework
- c) Language courses – humanities electives (6 hours) and, if needed, approved electives (6 hours). These courses typically count toward the degree requirements themselves in the INTA degree.

INTERNATIONAL AFFAIRS AND ECONOMICS

1. For the International Plan we request consideration of the following: 1. Note that there is no modification of the degree requirements for the Bachelor of Science in Economics and International Affairs. There is no net change in the number of credit hours required for the degree. Note that the inclusion of credit for some required courses taken at foreign institutions may count toward degree requirements with advisors' approval.

2. Allow students to pursue the International Plan degree designation in conjunction with satisfaction of the Economics and International Affairs joint degree requirements. The School will not impose any additional restrictions on pursuit of the degree designator. Students can satisfy the course requirements for the degree designation within the existing credit hours for the degree through appropriate selection of electives and required courses. For example: a) Global economics, international relations, and area-focused courses – social sciences electives, and in many cases these courses typically count toward the Economics and International Affairs joint degree requirements themselves. b) Culminating course – approved electives or incorporated into other coursework c) Language courses – humanities electives (6 hours) and, if needed, approved electives (6 hours). These courses typically count toward the degree requirements themselves in the Economics and International Affairs joint degree.

MANAGEMENT

To allow students to pursue the International Plan degree designation in conjunction with satisfaction of the MGT degree requirements. There is no net change in the number of credit hours required for the degree.

1. The School imposes the following restriction on pursuit of the degree designator. In satisfying the Culminating Course requirement, MGT students must take a specially designated section of MGT 4195 Strategic Management (or the equivalent if a new course number is required) that contains a higher concentration of International Business Strategy cases and experiences than the normal MGT 4195 course.
2. Students can satisfy the remaining course requirements for the degree designation within the existing credit hours for the degree through appropriate selection of electives. For example:
 - a) Global economics, international relations, and area-focused courses – MGT required course, MGT Electives, Free Electives

- b) Language courses – humanities electives (6 hours) and, if needed, free electives (6 hours)

BIOLOGY

1. Modification of the degree requirements for the Bachelor of Science in Biology. There is no net change in the number of credit hours or courses required for the degree. 2. Allow students to pursue the International Plan degree designation in conjunction with satisfaction of the BS in Biology degree requirements. The School will not impose any additional restrictions on pursuit of the degree designator. Students can satisfy the course requirements for the degree designation within the existing credit hours for the degree through appropriate selection of electives. For example: a) Global economics, international relations, are international courses and social sciences electives b) International culminating course – approved electives or incorporated into other coursework c) Language courses – humanities electives (6 hours) and, if needed, approved electives (6 hours)

23. A motion was made to approve the list of courses for the International Plan. These courses are in the areas of Global Economics, International Relations and Country and Region. These courses will be identified in Banner using the appropriate attribute. The motion was seconded and approved. Unanimous. (See attached list).

24. The COLLEGE OF COMPUTING requested the following curriculum changes and new courses. A motion was made to approve the request. The motion was seconded and approved. Unanimous

NEW COURSES

CS 1100 CoC Freshman Leap Seminar. (1-0-1)

CS 3630 Introduction to Perception and Robotics. (3-0-3)

CS 4237 Computer and Networking Security. (3-0-3)

CS 4342 Software Generation, Testing and Maintenance (undergrad version of CS 6330). (3-0-3)

CS 4392 Programming Language Design (undergrad version of CS 6390).(3-0-3)

CS 4632 Advanced Intelligent Robotics (replaces CS 4631).(2-3-3)

CS 4770 Mixed Reality Experience Design. (2-3-3)

CS 4793 Integrative Perspectives in Cognitive Science (replaces CS 4790). (3-0-3)

CS 4980 Research Capstone Project (1-21)

CS 4911 Design Capstone Project (1-21)

DEACTIVATE

CS 4790

CS 4631

CS 3901

CS 3911

CURRICULUM CHANGES

Changes to CS Degree Requirements

Blanket substitution for BS CS students:

Allow courses that meet the 3-course science requirement for the 2005-06 catalog to be used by students graduating under previous catalogs.

Amendment to BS CS degree requirements:

Current: Math 3215 (Introduction to Probability and Statistics)

Revised: Math 3215 or CE/ISyE/ Math 3770 (Statistics and Applications) with blanket substitution allowed for students graduating under old catalogs.

Blanket substitution for BS CS students:

Allow ISyE 2027 (Probability with Applications) and ISyE 2028 (Basic Statistical Methods) to be substituted for Math 3215/3770 and 3 hours of free electives.

Remove specific reference to ROTC courses in the Free Electives section of the Computer Science degree description, resulting in the following wording replacing the Free Electives section:

Free Electives

Eighteen hours of free elective courses may be taken at any time during the course of study.

No 1000- or 2000-level Health and Performance Sciences (HPS) hours or precalculus hours (currently MATH 1113) may be used as free electives. No course that covers the same material as other courses in a student's plan of study can be used as a free elective

Changes to Areas of Specialization

Include CS 4340 in the Software Engineering Area of Specialization

Split the Intelligent Systems Area of Specialization as follows:

The Intelligent Systems specialization will be removed, and three specialization areas will be added: Perception and Robotics, Artificial Intelligence, and Cognitive Science. Each area will include 3 courses as follows:

Perception and Robotics: CS 3630: Intro Perception and Robotics (new course), CS 4632: Advanced Intelligent Robotics, and CS 4495: Computer Vision.

Artificial Intelligence: CS 3600 Intro to AI, CS 4641: Machine Learning, and CS 4611 Artificial Intelligence Problem Solving

Cognitive Science: CS 3790: Intro CogSci, CS 4793: Integrative Perspectives in Cog Sci, CS 4752: Philosophical Issues in Computing.

25. The SCHOOL OF HISTORY TECHNOLOGY AND SOCIETY requested the following three new courses and the deactivation of three new courses. This is to change these courses to 3000 level which is more appropriate for the content of the course. A motion was made to approve the request. The motion was seconded and approved. Unanimous

NEW COURSES

HTS 3028 Ancient Greece: Gods, Heroes, and Ruins (3-0-3)

HTS 3029 Ancient Rome: From Greatness to Ruins (3-0-3)

HTS 3030 Medieval Europe: 350 to 1400 (3-0-3)

DEACTIVATE

HTS 2031

HTS 2032

HTS 2033

Adjourned,

M Jo McIver
Registrar

MJM: am