

**College of Liberal Arts and Sciences
Committee on Curricula and Courses**

Minutes of the meeting of 10 October 2006

[Approved 17 October 2006]

Chair John Manning called the meeting to order at 3:31 PM in Room 162 of the Dodd Research Center.

Present: Buck, Ross (COMS); Caner, Dan (HIST); Clark, Austen (PHIL); Cromley, Robert (GEOG); Dudas, Jeff (POLS); Fairbanks, Hap (ENGL); Gajewski, Jon (LING); Gallo, Bob (PNB); Goldman, Jane (HDFS); Hamilton, Doug (Assoc. Dean, CLAS); Henning, Robert (PSYC); Langlois, Dick (ECON); Leibowitz, Gerald, (MATH); McComiskey, Marita (WS); Michel, Bob (CHEM); Noll, Ken (MCB); O'Donnell, Jim (MARN), Rawitscher, George (PHYS); Rockwell, Richard (SOCL); Travis, Roger (MCL); Worcester, Wayne (JOUR).

Visitors: Buckley, Roger (AASI), Kremer, Patricia (MARN)

1. PRELIMINARIES

a. Roger Travis was appointed secretary for this meeting.

b. The Minutes of the 12 September 2006 meeting were approved

c. Report of approvals by chair during the interval: none. None. But see 2006-197, below.

d. Chair's report: **Interdepartmental & Interdisciplinary Course Concerns.** Further to last month's brief notice, the chair brought to committee's attention items found on the INTD committee website:

1. 1. INTD 170 (Walden) Honors core course; proposed as INTD but obviously CLAS content.
2. 2. INTD 298 298's traditionally used for development of courses, with expectation that course will eventually receive regular number. In this case there a sponsoring department in not clearly identifiable.
3. 3. INTD 241 (Intro to diversity studies in Am cult) Proposal is to change from 4 credits to 3 credits. This is an approved CLAS course, on modifications to which INTD appears to claim jurisdiction. (Merits of any proposed change not discussed).
4. 4. Chair distributed a sermon (attached below) and a paradigmatic resolution.

Cross-Listing matters: Concerns summarized, discussion deferred.

On-Line Course Approvals: Similarly treated. Newly-developed routing sheet seeks 'acknowledgement' of new on-line course by CLAS C&C chair. Discussion of committee's role in such matters deferred.

e. Report of W subcommittee: None

f. BS Degree: Report: No official report. Committee has met again; Michel is composing guidelines.

2. DEPARTMENTAL COURSE PROPOSALS

a. Departmental Course Proposals postponed from September for lack of departmental representation

2006 - 78 Change Coastal Studies major:approved.

Bachelor of Science in Coastal Studies:

The B.S. in Coastal Studies requires a foundation of courses including 28 credits of Marine Science courses, and 12 credits of defined social science courses constituting the Related Area. Coastal Studies majors must pass the following courses.

I. 100's Level: [BIOL 107, 108](#); [CHEM 127Q-128Q or CHEM124Q, 125Q and 126Q](#); [MATH 115Q, 116Q or MATH112Q, 113Q and 114Q](#); [PHYS 131Q, 132Q](#) or [PHYS 121Q, 122Q and 123Q](#); [MARN 170 or 171](#)
Coastal Studies requires a course in data analysis and interpretation. This requirement may be fulfilled with [STAT110Q](#) or another course approved by the Department. Students are encouraged to fulfil some of their General Education requirements with the following choices:

[HIST 206/SCI206](#); and either [ECON 112](#) or [ARE 150](#)

II. Coastal Studies B.S. Major Requirements

The following courses constitute the major requirements:[MARN 210, 211, 212C, 220Q, 255W, 256](#), and 3 electives. The electives must represent different areas of Marine Sciences. At least one course must be chosen from each of the following groups:

Group 1: [MARN 230, 270](#);

Group 2: [MARN 236, 282, 294, 241, 242](#);

Group 3: [MARN 236, 282, 275, 280](#).

Note: only one of [MARN 236](#) and [282](#) may be counted as an elective. It can satisfy either the [Group 2](#) or [3](#) requirement, but not both.

III. Coastal Studies B.S. Related Area

In consultation with their faculty advisor and a social science faculty member, students choose Related Area courses appropriate to their interests. The department maintains a list of courses acceptable for this requirement.

Bachelor of Arts in Coastal Studies: The B.A. in Coastal Studies requires a foundation of courses including 25 credits of Marine Science courses, and 18 credits of defined social science courses constituting the Related Area.

The B.A. plan of study allows interested students to take additional social science courses. Coastal Studies majors must pass the following courses.

I. 100's Level: [BIOL 107, 108](#); [CHEM 127Q, 128Q or CHEM 124Q,125Q and 126Q](#); [MATH 109Q and 118Q or 106Q, or MATH112Q and 113Q](#); [PHYS 121Q, 122Q](#); [MARN 170 or 171](#)

Coastal Studies requires a course in data analysis and interpretation. This requirement may be fulfilled with [STAT110Q](#) or another approved course. Students are encouraged to fulfil some of their General Education requirements with the following choices: [HIST 206/SCI206](#); and either [ECON 112](#) or [ARE 150](#).

II. Coastal Studies B.A. Major Requirements

The following courses constitute the major requirements:[MARN 210, 211, 212C, 255W, 256](#), and 3 electives. The electives are: [MARN 220Q, 230, 236](#) or [282, 241, 242, 270,275, 280, 294](#).

III. Coastal Studies B.A. Related Area

In consultation with their faculty advisor and a social science faculty member, students choose Related Area courses appropriate to their interests. The department maintains a list of acceptable courses .

Competency Requirements (B.S. and B.A. programs)

The University's General Education competency requirements for computer technology and information literacy will be satisfied by completing the major requirements above, in particular [MARN](#)

[210](#), [211](#), [212C](#) for computer technology, and [211](#), [255W](#) and [256](#) for information literacy. The writing in the major requirement will be satisfied by MARN [255W](#).

Note: Some Marine Sciences courses may be offered only at the Avery Point campus. Others may be partially available through Distance Learning. Please check the Directory of Courses in this *Catalog*.

Both a minor in [Marine Biology](#) and a minor in [Oceanography](#) are described in the [Minors](#) section.

2006 - 80 Change MARN 296: approved.

296. Variable Topics

Either semester. One to three credits. With a change in topic, may be repeated for credit. Prerequisites and recommended preparation vary.

2006 - 81 Add MARN 295W: approved.

MARN 295W: Senior Research Thesis

Either semester. Three credits. Hours by arrangement. Prerequisite: Three credits of MARN 299, which may be taken concurrently. Recommended preparation: MARN 255W. Open only with consent of instructor. Not limited to honors students.

Senior thesis reflecting independent research.

2006 - 82 Add MARN 333: approved.

MARN 333: Plankton Ecology. First Semester. 3 credits. Class Periods: Three (Two 50 min lectures and one 3h lab/recitation period). Recommended preparation: The equivalent of one year of biology, chemistry and physics course. Consents/Exclusions: Consent of instructor for graduate students in lieu of recommended preparation. Students who have taken both MARN 331 and MARN 332 cannot take this course for credit. Dam.

Ecology of planktonic organisms (bacteria, protista and metazoa). The evolutionary ecology concept, methods of research, special features of aquatic habitats; adaptations to aquatic environments; population biology; predation, competition, life histories, community structure, and role of plankton in ecosystem metabolism.

2006 - 83 Add MARN 267: approved.

MARN 267: Plankton Ecology. First Semester. Three credits. Class Periods: Three (Two 50 min lectures and one 3h lab/recitation period). Prerequisites: MATH 109Q or MATH 115, PHYS 121Q or PHYS 131Q, CHEM 122 or equivalent, BIO 107/108. Recommended preparation: MARN 170. Consents/Exclusions: Consent of instructor for graduate students in lieu of requirements. Students who have taken both MARN 331 and MARN 332 cannot take this course for credit. Dam.

Ecology of planktonic organisms (bacteria, protista and metazoa). The evolutionary ecology concept, methods of research, special features of aquatic habitats; adaptations to aquatic environments; population biology; predation, competition, life histories, community structure, and role of plankton in ecosystem metabolism.

2006 - 84 Change MARN 212C: approved.

212C. Measurement and Analysis in Coastal Ecosystems

First semester (Avery Point). Four credits. Two 1-hour lectures and two 3-hour laboratories. Required field trips. Prerequisites: both [MARN](#) 210 and MARN 211, or consent of instructor.

Examination of oceanographic processes in local coastal systems; collection and analyses of samples from field trips and lab experiments; data analysis using computers.

2006 - 85 Change PNB 264-265 [Sept proposal revised] : approved.

264-265 Human Physiology and Anatomy. Both semesters. Four credits each semester. Three class periods and one 3-hour laboratory. Prerequisite: BIOL 107 and one of CHEM 122 or 124 or 127Q.

Open to sophomores or higher. Not open to students who have passed PNB 274-275. These courses must be taken in sequence to obtain credit, and may not be counted toward the Biological Sciences or Physiology and Neurobiology majors. *Chapple, Kimball, Moiseff, Nishiyama, Rubio*

Fundamentals of human anatomy and physiology for students in medical technology, physical therapy, nursing and education (Sport Science). A fee of \$20 is charged for each course.

2006 - 86 Change PNB 274-275 [Sept proposal revised] : approved (with one nay).

274-275. Enhanced Human Physiology and Anatomy

Both semesters. Four credits each semester. Three class periods and one 3-hour laboratory. Prerequisite: BIOL 107 and either CHEM 124 or 127Q. Not open to students who have passed PNB 264-265. These courses must be taken in sequence to obtain credit. Open to sophomores or higher. . *Chapple, Kimball, Moiseff, Nishiyama, Rubio*

Fundamentals of human physiology and anatomy enhanced through inquiry-based laboratories. A fee of \$20 is charged for each course.

2006 - 89 Change the COGS Major [Sept proposal revised]: approved.

Cognitive Science

Cognitive Science is the study of how intelligent beings (including people, animals, and machines) perceive, act, know, and think. It explores the process and content of thought as observed in individuals, distributed through communities, manifested in the structure and meaning of language, modeled by algorithms, and contemplated by philosophies of mind. Its models are formulated using concepts drawn from many disciplines, including psychology, linguistics, logic, computer science, anthropology, and philosophy, and they are tested using evidence from psychological experiments, clinical studies, field studies, computer simulations, and neurophysiological observation.

This program is intended to prepare students for graduate training in cognitive science and related disciplines or to work in the information sciences. **The distribution requirements ensure that students will acquire a truly interdisciplinary education.** The research and formal systems requirements provide basic knowledge concerning the experimental and theoretical foundations of cognitive science. Finally, majors are encouraged to learn about theory building and testing in a variety of natural and physical sciences. One way to achieve this is to fulfill the requirements of the Bachelor of Science degree.

General Requirements

The requirements for the cognitive science major include 39 200-level credits, no more than 21 of which may be taken in any one department. There are several 100-level courses that are required preparation for the 200-level requirements. These courses should be taken during the first four semesters and may fulfill general education requirements.

Core Courses (15 credits)

COGS 201 and four of the following courses: ANTH 244; CSE 282; LING 202; PHIL 250; PSYC 256

Research Courses (6 credits)

Statistics (one of the following for at least 3 credits):

PSYC 202Q; STAT 201Q, 220Q (Calculus level)

Research Methods (one of the following for at least 3 credits):

ANTH 268 (if elected for 3 credits); LING 215; PSYC 210W, 211W, 215, 232W, 267/267W

Formal Systems Courses (3 credits)

CSE **237*†**, 254, 257, 259†; LING **205†, 206†**; MATH 211Q, 215, 216, 227Q, 231, **237*†**, 279; PHIL 211Q, 214

Advanced Courses (12 credits)

Must include courses from at least 3 departments. Can include core courses not needed to satisfy the core course requirement.

ANTH 232; CDIS 202/202W*, 244/244W, 253; CSE 237*†, 259†, 298; LING 205Q†; 206Q†, 244W; MATH 237*†; PHIL 210, 212/212W*, 241, 247/247W, 249/249W, 256/256W; PNB 251; PSYC 206, 220, 221, 236, 239*, 254, 257, 260, 291/291W; SCI 240**

Electives (3-6 credits)

One or two† additional courses (from above lists or other related courses from any department), chosen with the approval of the advisors.

* Due to content overlap, no more than one of each of the following pairs may be counted toward the major: (i) CDIS 202/202W and PSYC 239; (ii) PHIL 212/212W and SCI 240; (iii) CSE 237 and MATH 237.

† The following courses may be used to fulfill both the Formal Systems and Advanced Courses requirements: CSE 237, CSE 259, LING 205, LING 206, and MATH 237. In this event, two electives are required.

Competency and Writing Requirements

The exit requirements for computer technology and information literacy will be met by satisfaction of the Research Methods Requirement. The exit requirements for writing in the major can be met by taking one of the following courses: CDIS 202W, 244W; LING 244W; PHIL 212W, 247W, 249W, 256W; PSYC 202WQ, 210W, 232W, 267W, 291W.

Students in the program will have an advisor and an associate advisor, each in different departments contributing to the cognitive science program. Students will consult with both of them to plan a course of study.

For further information, contact [Professor Letty Naigles, Director of Undergraduate Studies in Cognitive Science, 141 BOUS \(Psychology Building\)](#).

b. New Departmental Course proposals

2006 - 90 Change URBN Major: tabled.

2006 - 91 Add URBN 2xx: tabled.

2006 - 92 Drop HDFS 183: approved.

2006 - 93 Change HRTS Minor: approved.

This minor provides interdisciplinary instruction in theoretical, comparative, and historical perspectives on human rights through classroom courses, and valuable practical experience in the human rights field through a supervised internship. Fifteen credits at the 200 level are required. Six credits from Group A, Core Courses, six credits from Group A or B, Electives, and three credits from Group C, Internship. More than six credits may not be taken in one department. A student may petition the Director of the Human Rights Minor to allow a course not on the following list to count as an Elective (Group B).

*Group A. Core Courses: (SAME as above)
HRTS/POLS 205, POLS 258, HIST/HRTS 226, HIST 253

*Group B. Electives.
AFAM/HIST/HRTS 238; AFAM/HRTS/SOCI 235, 236; **ANTH 280W/HRTS280W**; ANTH 226, 231;
ANTH/HRTS 228; AASI 268; AASI/HRTS/SOCI 221, 222; ECON 202, 207, 247; **ENGL 241/HRTS241**; HIST 215, 224, 237, 268, **202**; HIST 284/HRTS 220/PRLS 221; **PHIL 219/HRTS219**;

HRTS/POLS 225; HRTS/SOCI 249, 268, 269; HRTS/WS 263; PHIL 215, 218, 245; POLS 244; **POLS 256/HRTS 256; SOCI215/HRTS 215**; SOCI 243, 258

* Group C. Internship: HRTS 245

Human Rights Minor Plan of Study

NOTE: Completion of a minor requires that a student earn a C (2.0) or better in each of the required courses for that minor. A maximum of 3 credits towards the minor may be transfer credits of courses equivalent to University of Connecticut courses. Substitutions are not possible for required courses in a minor.

Consult your advisor while completing this plan. An approved **final plan of study** must be filed with the registrar **during the first four weeks of classes of the semester in which a student expects to be graduated.**

The Human Rights Minor:

Fifteen (15) credits at the 200 level are required. Six (6) credits from Group A, Core Courses, six (6) credits from Group A or B, Electives, and three (3) credits from Group C, Internship. More than six (6) credits may not be taken in one department. Substitutes for courses in any group are not allowed under University policy.

Group A	Credits	Group B	Credits	Group C	Credits
Core Courses (at least two from 200-level)	(total 6-9)	Electives (at least one)	(total 3-6)	Internship (one)	(total 3)
POLS/HRTS125				HRTS 245	
POLS/HRTS 205	_____	_____	_____		_____
POLS/HRTS 258	_____	_____	_____		
HIST/HRTS 226	_____				
HIST/HRTS 253	_____				

This plan is for the requirements of the _____ catalogue.

Date you expect to complete degree requirements: _____.

SID#: _____

Name of Student: _____

I approve the above program for the (B.A. or B.S.) Minor in Human Rights.

(signed) _____ Date _____

Director of Human Rights Minor
Richard P. Hiskes, Professor, Dept. of Political Science

Revised 10/06

2006 - 94 Change ECON 221: approved.

ECON 221. Urban Development and Policy Second semester. Three credits. Prerequisite: [ECON 112](#) or [102](#). Open to sophomores or higher. Education, housing, anti-poverty, economic development, and transportation policies for American cities and metropolitan areas. Emphasis on different roles of policies that act upon people versus places. Analysis tools for regional economic development such as input-output matrices and cost-benefit analysis.

2006 - 95 Change ECON 202/W: approved.

202/W. Topics in Economic History and Thought. Either semester. Three credits. Prerequisite: ECON 111 and 112 , or 102 or 113, or consent of the instructor; ENGL 105 or 110 or 111 or 250 . Open to Sophomores or higher. May be repeated for credit, with change of topic. *Carstensen, Cosgel, Langlois, Minkler*

2006 - 96 Change ECON 205/W: approved.

205/W. History of Economic Thought. Second semester. Three credits. Prerequisite: ECON 111 and 112 , or 102 or 113; ENGL 105 or 110 or 111 or 250 . Open to sophomores or higher.

2006 - 97 Change ECON 206: approved.

206. Philosophy and Economics (Also offered as [PHIL 245](#).)

Either semester. Three credits. Prerequisite: [ECON 102](#), or [112](#), or 113. Open to sophomores or higher
An examination of the normative assumptions and implications of modern economics (for example, the connections between Classical Utilitarianism and Welfare Economics). Attention to methodological controversies in contemporary economic theory.

2006 - 98 Change ECON 207/W: approved.

207/W. Beyond Self-Interest

First semester. Three credits. Prerequisite: [ECON 102](#) or [112](#) or 113. Open to sophomores or higher *Minkler*

A contrast to the assumptions, values, methodology, and philosophical underpinnings of mainstream economic analysis. Altruism, role of social norms and culture, importance of work, moral assessment of economic systems, feminist and ecological economics.

2006 - 99 Change ECON 213WC: approved.

213WC. Empirical Methods in Economics II

Second semester. Three credits. Prerequisite: [ECON 212C](#); [ENGL 105](#) or [110](#) or [111](#) or [250](#). Open to sophomores or higher. *Lott, Ray, Tripathi*

Analysis of economic time series, estimation of single- and simultaneous-equation economic models, and statistical decision theory.

2006 - 100 Change ECON 214: approved.

214. Mathematical Economics

First semester. Three credits. Prerequisite: ECON 111, 112, or 102, or 113; MATH 106Q or 113Q or 115Q or 118Q. Open to sophomores or higher. *Heffley, Knoblauch, Lott, Ray, Segerson, Zimmermann*
Application of mathematical techniques to economic problems. Methods studied: set theory, linear algebra, equilibrium analysis, unconstrained and constrained optimization, comparative statics, and linear programming.

2006 - 101 Change ECON 215/W: approved.

ECON 215/W. Applied Regional Analysis: The Connecticut Economy

Either semester. Three credits. Prerequisite: ECON 102 or both ECON 111 and 112; STAT 100Q or 110Q. Recommended preparation: Math 105Q. Open to sophomores or higher.

Methods of regional economic analysis applied to Connecticut. Descriptive statistics, input-output models, economic indexes, linear regression, forecasting and related tools are used to explore labor markets, housing, public policy and other topics.

2006 - 102 Change ECON 216C: approved.

216C. Operations Research

First semester. Three credits. Two 75-minute classes per week. Seven of the classes will be held at the computer lab. Recommended preparation: [ECON 111](#), [112](#), or [102](#) or 113. Open to sophomores or higher.

Extensive use of computer spreadsheets to find efficient solutions to problems faced by managers in both the public and private sectors. Optimization of input and output mixes, of delivery routes, and communication networks.

2006 - 103 Change ECON 217: approved.

217. Information Technology for Economics

Either semester. Three credits. Prerequisites: [ECON 111,112](#), or [102](#) or 113. and [STAT 100QC](#) or [110QC](#). Open to sophomores or higher. *Ahking, Cosgel, Lott*

The presentation of economic data and testing of economic theory through the use of appropriate computer based tools. Analysis of macroeconomic concepts such as the consumption function, influence of the money supply, budget deficits, and interest rates on macroeconomic equilibrium, and the tradeoff between unemployment and inflation. Analysis of microeconomic concepts such as demand, supply, elasticity, the achievement of equilibrium price and quantity, and analysis of several industries and the stock market. Analysis of historical data such as aggregate and specific price levels, sectoral shifts in the economy, and changes in income distribution.

2006 - 104 Change PSYC 281: approved

PSYC 281. Psychological Testing

Either semester. Three credits. Prerequisite: [PSYC 202Q](#) or [PSYC 202WQ](#).

Practical and theoretical interpretation of common personality, industrial, educational, cognitive, and attitude tests. Evaluating utility, test bias, and error. Using tests in clinical, educational, and workplace settings.

2006 - 105 Change HDFS 273: approved:

HDFS 273/2300. Family Interaction Processes (Formerly offered as HDFR 273.) Either semester. Three credits. Open to sophomores and higher.

Family interaction: Communication processes, bonding behaviors, management of conflict and aggression, negotiation of family crisis.

2006- 106 Drop AASI 239: approved.

2006- 107 Add AASI Special Topics Course:tabled.

2006- 108 Change COGS 201: approved change to prerequisites

COGS 201. Foundations of Cognitive Science

Either semester. Three credits. Open to sophomores or higher.

Origins of and current developments within scientific study of the mind-brain. Topics include: computational theories of mind, artificial and natural intelligence, cognitive neuroscience and the mind/body problem, embodied and distributed cognition, neural networks, self-organizing cognitive systems, learning and innateness.

2006- 109 Cross-list ENGL / INTD 165 with HIST 165: tabled

2006- 110 Cross-list ENGL / INTD 265W with HIST 2XXW: tabled.

2006- 111 Change MATH 276, 280, 283, 284, 291W (Actuarial Science)

Math 276. Actuarial Models

Either semester. Three credits. Prerequisite: [MATH 231](#) or [STAT 220](#) or [230](#); and [MATH 285](#).

Introduction to the design of computerized simulations for analyzing and interpreting actuarial and financial problems. This course, together with Math 392, Math 393, and Math 395, helps the student prepare for the actuarial examination on the construction and evaluation of risk models.

Math 280. Financial Mathematics Problems

Both semesters. One credit. Two class periods. Prerequisite: [MATH 285](#) and MATH 284, which may be taken concurrently

Preparation for the financial mathematics actuarial examination, which tests a student's knowledge of the theory of interest and financial economics at an introductory level.

Math 283. Probability Problems

Either semester. One credit. Two class periods. Prerequisite: [MATH 210](#), [230](#) or [245](#); and [MATH 231](#).

Preparation through problem solving for the probability actuarial examination, which tests a student's knowledge of the fundamental probability tools for quantitatively assessing risk. Recommended prior knowledge: a thorough command of probability, as well as basic concepts in insurance and risk management.

Math 284. Advanced Financial Mathematics

Either semester. Three credits. Prerequisite: [MATH 285](#) and [MATH 231](#).

Advanced topics in financial mathematics such as single period, multi-period and continuous time financial models; Black-Scholes formula; interest rate models; and immunization theory.

Math 291W. Technical Writing for Actuaries

Second semester. Three credits. Prerequisite: [ENGL 105](#) or [110](#) or [111](#) or [250](#). Consent of Director of Actuarial Science required.

Students will write a technical report on an advanced topic in actuarial science.

4. Adjournment at 5:29pm

Roger Travis, secretary pro tem