## College of Liberal Arts and Sciences

## Committee on Curricula and Courses

## Minutes of the meeting of 14 March 2006

Approved 11 April 2006

Chair John Manning called the meeting to order at 3:30 PM in Room 162 of the Dodd Research Center.

Present were Bifulco, Bob (Public Policy); Caner, Dan (History); Clark, A (Philosophy); Fairbanks, Hap (English); Gajewski, Jon (Linguistics); Gallo, Bob (PNB); Henning, Robert (Psychology); Gross, David (for Leibowitz, Mathematics); McComiskey, Marita (Women's Studies); Michel, Bob (CHEM); Noll, Ken (MCB); Pressman, Jeremy (Political Science); Rawitscher, George (Physics); Rockwell, Richard (for Dashefsky, Sociology); Rubega, Margaret, (EEB); Travis, Roger (MCL); Vias, Alexander (Geography); Worcester, Wayne (Journalism).

Visiting were Kate Capshaw Smith (English, for Diversity Studies Minor); Mark Boyer (Political Science, for Diversity Minor); Jane Goldman (HDFS); Natalie Munro (Anthropology).

## 1. PRELIMINARIES

a. Roger Travis was appointed secretary for this meeting.
b. The Minutes of the 14 February 2006 meeting were approved, with the revision of "Olivia Morand" to "Olivier Morand."
c. Addition of Family Studies to the College. Thomas Blank, representative for Family Studies, was welcomed to the committee. Chair advised that there are existing Family Studies students who will become part off CLAS. There will be students on two tracks, one differing from standard CLAS programs. New (fall 2006) students will fall under usual CLAS requirements; continuing students will follow their current catalog rules. Continuing students under old FS program will achieve a BS degree.
e. Report of approval by chair during the interval: CAMS 298, HIST 298; approval of editorial change to remove ambiguity in ANTH Major catalog copy, limiting required prerequisite course to ANTH 100 or 106, as before.

## 2. OLD BUSINESS

a. BS Degree: progress report (see appendix, 11 Oct). Interim report received. Full report postponed to the 11 April meeting.

Michel introduced a document that summarizes reactions to the proposal by Ken Noll dated in January. The subcommittee will meet again before the 11 April meeting.
b. Report of W subcommittee. Henning presented a report summarizing progress towards a proposal for replacing the third W. The subcommittee hopes to have a solution in place by Summer 2007, when current moratorium is set to expire. Discussion of possibility of allowing individual programs to decide on peculiar writing requirements. Manning urged committee to respond to subcommittee's work, preferably after consultation with their colleagues.

Other. Chair asked committee to ensure that renumbering spreadsheets are returned to registrar.
c. Departmental Course Proposals (Anthropology) Pending from 8 November, and ILCS:

2005-156 Add ANTH 2XXW.
Approved catalogue copy

ANTH 2XXW. Ecological Anthropology Seminar

Either semester. Three credits.
Interdisciplinary study of the ecology of humans, integrating ecological and anthropological theory with archaeological, historical, and contemporary case-studies.

2005-158 Proposal to Add ANTH 2ZZW
Approved catalogue copy, pending consultation about "Not open to sophomores":

ANTH 2ZZW. Seminar in Archaeology. Either semester. Three credits. Prerequisite: ANTH 214. Consent of instructor required. Not open to sophomores. Adler

Historical development of archaeology and theoretical controversies, past and present, that shape the field.

2005-159 Proposal to Add ANTH 2XY

Approved catalogue copy:
ANTH 2XY. European Prehistory
Either semester. Three credits. Prerequisite: None.
Adler Interdisciplinary survey of the archaeological, biological, cultural, and behavioral evolution of prehistoric humans and their societies across Europe and portions of western Asia.

## 2005-172 Proposal to Add ANTH 3XX

Approved catalogue copy:

## ANTH 3XX. The Neanderthals

Either semester. 3 credits. Instructor's consent required. Adler
Interdisciplinary understanding of the biological, cultural, technological, and behavioral evolution of Neanderthals and their societies.

## 2005-173 Proposal to Add ANTH 3XZ

## Approved catalogue copy:

## ANTH 3XZ. Modern Human Origins.

Either semester. 3 credits. Consent of instructor required. McBrearty
The earliest modern people in Africa: their way of life seen from the archaeological, fossil, and genetic evidence.

## 2005-174 Proposal to Add ANTH 3XY

Approved catalogue copy:

## ANTH 3XY. Modern Human Dispersals

Either semester. 3 credits. Instructor's consent required. Adler
Interdisciplinary understanding of the tempo and mode of modern human dispersals across Europe, Asia, Australia, and the Americas.

## 2005-175 Proposal to Add ANTH 3YZ

Approved catalogue copy:

## ANTH 3YZ. Hunter-Gatherers Past and Present

Either semester. 3 credits. Instructor's consent required.

Investigation of recent and prehistoric hunter-gatherer societies informed by human behavioral ecology, archaeology, and ethnoarchaeology.

2005-184 Proposal to Add ANTH $3 Z Z$
Approved catalogue copy:
ANTH 3ZZ. Quantitative Zooarchaeology

3 credits. Seminar. Consent of Instructor Required.
Archaeological problem solving using zooarchaeological and taphonomic data; the evolutionary ecology of human economies; evaluation and quantification of zooarchaeological data; formation of faunal assemblages.

## 2006-21 Propoasl to Add ILCS 1XY

## Approved catalogue copy:

## ILCS 1xy. Introducing Italy Through Its Regions

Either semester. Three credits. Lectures in English

The diverse cultures of Italy, studied through analysis of literary and cinematic works from and about the different Italian regions and their cultural centers, such as Rome, Naples, Florence, Palermo, Venice.

## 3. NEW BUSINESS -- Departmental Course Proposals

Approved catalogue copy:

## PUBLIC POLICY

The Public Policy Minor provides an overview of public policy processes and the design, management, and evaluation of public policies and programs. The Minor requires 18 credits in total, consisting of one 100 level course and five 200 level courses. Students interested in the Public policy Minor are encouraged to complete Economics 112 and Statistics 101Q (or equivalent).

## REQUIREMENTS FOR THE MINOR

a) PP 101 Introduction to Public Policy
b) PP 220 Public Policy Research Methods I and PP 276 Public Policy
c) Students choose 9 credits of additional PP 200 level courses in consultation with their academic advisors. PP 300 level courses can be used to meet this requirement.

2006-26 Change MATH 286, 287-28
Approved catalogue copy:

## 286. Introduction to Operations Research

(Also offered as STAT 286 and STAT 356.) Either semester. Three credits. Prerequisite: MATH 231 or STAT 220 or 230 . Not open for credit to students who have passed MATH 366, STAT 286, or STAT 356.

Introduction to the use of mathematical and statistical techniques to solve a wide variety of organizational problems. Topics include linear programming, network analysis, queuing theory, decision analysis.

## 287-288. Actuarial Mathematics

(Also offered as MATH 387-388.) Either semester. Three credits each semester. Prerequisite: MATH 231 or STAT 230; and MATH 285, which may be taken concurrently. MATH 287 not open for credit to students who have passed MATH 387; MATH 288 not open for credit to students who have passed MATH 388.

Survival distributions, claim frequency and severity distributions, life tables, life insurance, life annuities, net premiums, net premium reserves, multiple life functions, and multiple decrement models.

Either semester. Three credits. Prerequisite: MATH 285. Also ACCT 131, which may be taken concurrently. Not open for credit to students who have passed MATH 369.

The continuation of MATH 285. Measurement of financial risk, the mathematics of capital budgeting, mathematical analysis of financial decisions and capital structure, and option pricing theory.

## 2006-27 Drop MATH 214, 224 \& 255 Approved

## 2006-28 Change the MATH major

## Approved catalogue copy:

## Mathematics

The Mathematics Department offers programs of study in Mathematics, Applied Mathematical Sciences, Actuarial Science (in cooperation with the School of Business), and Mathematical Statistics (in cooperation with the Department of Statistics).

MATH 242W, 247, and 248 may not be counted in any of the major groups listed below.

The Department offers both a Bachelor of Science and a Bachelor of Arts degree in Mathematics, Applied Mathematical Sciences, Mathematics-Statistics, and Mathematics-Actuarial Science. The Bachelor of Science program provides in-depth training in Mathematics as preparation for graduate study or for participation in scientific and engineering teams in government, industry, or research laboratories. The Bachelor of Arts degree is designed to provide training in contemporary mathematics without the depth and concentrated specialization required for the Bachelor of Science program. To satisfy the writing in the major and information literacy competencies in the Bachelor of Arts in Mathematics, the Bachelor of Science in Mathematics, the Bachelor of Arts in Applied Mathematical Sciences, and the Bachelor of Science in Applied Mathematical Sciences, all students must pass one of the following courses: MATH 201W, 202W, 242W, or 292W.

Bachelor of Science in Mathematics: The requirements for the B.S. in Mathematics are: MATH 220 and 221 (or 210 and 211), 213, 216, 227, 273-274, and at least 6 additional credits from any of the following courses: MATH 204, 215, 217, 223, 225, 231, 232, 235, 237, 250, 252, 258, 272, 277, 278, 281, 282, 286, and approved sections of 297 and 298, and at least 3 additional credits from any of the following courses: MATH 215, 217, 225, 250, and 258. In addition, at least 12 credits at the 200 level in approved related areas are required.

Bachelor of Arts in Mathematics: The requirements for the B.A. in Mathematics are 27 credits of 200-level course work in Mathematics and 12 credits of course work in approved related areas. The required courses are MATH 210 and 211 (or 220 and 221), 213, 216, 227, 273, and at least 3 additional credits from any of the following courses: MATH $215,217,225,250$, and 258 . The remaining credits may come from any 200-level Mathematics courses, except MATH 242W, 247 and 248.

Bachelor of Science in Applied Mathematical Sciences: The requirements for the B.S. in Applied Mathematical Sciences are MATH 220 (or 210 and 211), 213, 227, 272, 273, 281, and 282, and two courses to be selected from MATH 204, 221, 231, 232, 237, 252, 274, 277, 278, and approved sections of 297 and 298, and at least 3 additional credits from MATH 215, 216, 217, 223, 231, 235, 250, 258, 286, and approved sections of 297 and 298. In addition, at least 12 credits at the 200 level in approved related areas are required.

Bachelor of Arts in Applied Mathematical Sciences: The requirements for the B.A. in Applied Mathematical Sciences are 27 credits of 200's level course work in Mathematics and at least 12 credits in approved related areas. The required courses for the degree are MATH 210 or 220, 211 or 221, 215 or $227,272,281$, and 282. The remainder of the 27 credits of Mathematics must be chosen from MATH 204, 213, 231, 232, 237, 252, 273, 277 and 278.

Bachelor of Science or Arts in Mathematics-Statistics: The requirements for the B.S. or B.A. in Mathematics-Statistics degree are 36 credits at the 200's level in Mathematics and Statistics (in addition to MATH 210 or 220), with at least 12 credits in each department. The required courses for the Mathematics-Statistics major are MATH 215 or 227, 211 or 221, and Statistics STAT 230 and 231. To satisfy the writing in the major and information literacy competencies, all students must pass one of the following courses: MATH 201W, 202W, 242W, 292W or STAT 202W.

Bachelor of Science or Arts in Mathematics-Actuarial Science: The requirements for the B.S. or B.A. degree in Mathematics-Actuarial Science are 36 credits at the 200 level in Mathematics, Statistics, Business, and related areas (in addition to MATH 210 or 220). The required courses are MATH 227 or 215, 231, 232 (or STAT 235), 285, 286, 287-288, STAT 230-231, and FNCE 221 or 225. Students should include ECON 111 and 112, a Computer Science course, and ACCT 131 and 200 in their program of study as early as possible. To satisfy the writing in the major and information literacy competencies, all students must pass one of the following courses: MATH 201W, 202W, 242W, 291W or 292W.

Admittance to this program is available only to students who meet at least one of the following requirements:
a total grade point average of 2.75 or higher;
a total grade point average of 3.0 or higher in Mathematics;
a passing score on one or more Actuarial examinations;
acceptance by the Mathematics Department's Actuarial Science Committee.
To remain in the Actuarial Science Major, students are expected to maintain a total grade point average of 2.75 or higher.

A minor in Mathematics is described in the Minors section.

2006-29 Drop prerequisite (MATH 214) from several MATH courses
Approved catalogue copy:
215. Abstract Linear Algebra

Either semester. Alternate years. Three credits.
Prerequisite: MATH 227 or 246; and MATH 213.

Vector spaces and linear transformations over fields.
216. Abstract Algebra I

Either semester. Three credits. Prerequisite: MATH 213 or
244. Recommended preparation: Math 215 or 227 or 246.

The fundamental topics of modern algebra including elementary

Number theory, groups, rings, polynomials and fields.
225. Differential Geometry

Either semester, alternate years. Three credits.
Prerequisite: Either (i) MATH 210 or 230, and 211, and MATH 213 or 244; or (ii) Math 246.

The in-depth study of curves and surfaces in space.

## 235. Introduction to Mathematical Logic

Either semester, alternate years. Three credits. Prerequisite:
MATH 213 or 244 or CSE 207. PHIL 211 is recommended.

Formalization of mathematical theories, elementary model theory with applications to algebra, number theory, and non-standard analysis. Additional topics: Elementary recursion theory and axiomatic set theory. Emphasis on the applications of logic to mathematics rather than the philosophical foundations of logic.

## 237. Theory of Computability

Either semester, alternate years. Three credits. Prerequisite:
MATH 213 or 244 or CSE 254.

Finite automata and regular languages, pushdown automata and context-free languages and grammars. Turing machines, recursively enumerable sets and grammars, Church's thesis, the halting problem, and other undecidable problems. Computational complexity and NP-completeness.
250. Elements of Topology

Either semester, alternate years. Three credits. Prerequisite:
MATH 213 or 244.

Metric spaces, topological spaces and functions, topological properties, surfaces, elementary topics in geometric topology.

Either semester, alternate years. Three credits. Prerequisite:

MATH 213 or 244.

Congruences, unique factorization, primitive roots, numerical
functions, quadratic reciprocity and other selected topics, with emphasis on problem solving.

## 2006-30 Add HIST 298 Special Topics: Approved by chair

HIST 298: Special Topics. Machiavelli and Guicciardini: Crisis in History

## 2006-31 Change the Bioinformatics Minor

## Approved catalogue copy:

Bioinformatics Bioinformatics is a field of science that results from the application of information sciences to biology. Its goals are to facilitate data storage and retrieval, and the extraction of useful information from biological data.

Students wishing a minor in Bioinformatics must take at least 15 credits of the following courses, including at least one course from each of the following four groups. A single course cannot fulfill more than one group requirement. Courses used to satisfy requirements for the student's major may be used to satisfy group requirements but may not be used towards the 15 credits for the Bioinformatics minor.

Group A: Bio-Computing / Computer Science MCB 221, MCB 232, MCB/EEB 372, EEB 348, EEB 462, CSE 207, CSE210W, CSE 230, CSE 233, CSE 237, CSE 255, CSE 259, CSE 277

Group B: Data Banks / Statistics STAT 201Q, STAT 220, STAT 230 and 231 (Note: both courses must be taken to satisfy this group requirement), CSE 255.

Group C: Protein Structure / Biochemistry MCB 203, MCB 204, MCB 209, MCB 221, MCB 311

Group D: Genetics MCB 200, MCB 201, MCB 212, MCB 213, MCB 217, EEB 348.

MCB299, CSE 298, and CSE 299 can be counted towards the 15 credit requirement, if approved by a member of the bioinformatics oversight committee.

2006-32 Add INTD 2xx -- Intro to Diversity Studies
Approved catalogue copy:
INTD 2XX, Introduction to Diversity Studies in American Culture
Either semester. Four credits. Open to sophomores or higher.
An interdisciplinary introduction to comparative multicultural studies in the United States. Topics may include: African American, Asian American, Latino/a, and Native American cultures; gender, feminism, religious, and sexual identities; and disability studies. The course includes a service learning component, placement to be approved by instructor.

2006-33 Add Minor in Diversity Studies
Approved catalogue copy:

## DIVERSITY STUDIES IN AMERICAN CULTURE

Students should consider taking appropriate 100-level courses in preparation for upper-level coursework in Diversity Studies. These might include Sociology 125/W (Sociology - Race, Class and Gender), as well as English 175, History 121, Philosophy 107, Pyschology 132 and 133/135, Women's Studies 104, and Women's Studies 105.

## REQUIREMENTS FOR THE MINOR

16 credit hours. No more than one course in Diversity Studies can be counted towards both the student's major and the Diversity Studies in American Culture minor. No more than two courses may be taken within a single department. Classes not listed below, such as three-credit "Special Topics" courses, may be used to fulfill Diversity Studies requirements with the approval of the Director of Diversity Studies in American Culture. (If possible, students should seek such permission before taking the course.)

Students will take one required four-credit course: INTD 2XX: Introduction to Diversity Studies in American Culture. Course offerings are organized under three categories. Students must take four courses which must include at least one from each category to fulfill the remaining twelve credits. (Please note that some of these courses have prerequisites.)
A) One required four-credit course: INTD 2XX: Introduction to Diversity Studies in American Culture.
B) To fulfill the twelve remaining credits, students must take four courses which must include at least one from each of the following categories:
I. Gender, Physicality, and Sexual Identities

DRAM 230 Women in Theatre

ENGL 269 Introduction to LGTB Literature

ENGL 285 Women in Literature

HDFS 201 Diversity Issues in Human Development and Family Studies
HDFS 259 Men and Masculinity: A Social Psychological Perspective

POLS 204 Women and Politics

PRLS 231/WS 259 Fictions of Latino Masculinity
PRLS 251 Latinos: Sexuality and Gender
PSYC 246/246W/WS 246/246W Psychology of Women
SOCI 221/AASI 221 Sociological Perspectives on Asian American Women

SOCI 241/WS 241 Women and Health

SOCI 245/245W Sociology of Sexualities

SOCI 252/252W Sociology of Gender
WS 252 Genders and Sexualities

WS 266 Women and Ethnicity: Changing Roles in a Changing Society
WS 267 Women and Poverty

WS 269 The Women's Movement
II. Ethnicity, Culture, and Race

AASI 201 Introduction to Asian American Studies

DRAM 231/231W African-American Theatre

ENGL 261/PRLS 232 Latina/o Literature

ENGL 262/PRLS 233 Studies in Latina/o Literature
ENGL 272 Native American Literature
ENGL 274/AASI 274 Asian American Literature
ENGL 276 Black American Writers I

ENGL 277 Black American Writers II

ENGL 278W Ethnic Literature of the United States

PRLS 210 Contemporary Issues in Latino Studies
PRLS 230/WS 258 Latina Narrative

PSYC 270/270W Black Psychology
PSYC 275 Introduction to Multicultural Psychology
PSYC 276 Social Psychology of Multiculturalism
SOCI 235 African Americans and Social Protest
SOCI 236 White Racism
SOCI 240/240W Ethnicity and Race
SOCI 242/242W American Jewry
SOCI 243/243W Prejudice and Discrimination
III. History and Politics

HIST 215/WS 215 History of Women and Gender in the United States, 1790-Present
HIST 237 American Indian History
HIST 238 African American History to 1865
HIST 246 African American History Since 1865
HIST 268/AASI 268 Japanese Americans and World War II
HIST 278/PRLS 220 History of Latinos/as in the US

HIST 284/PRLS 221 Latinos/as and Human Rights
HIST 294/AASI 294 Asian-American Experience Since 1850
POLS 247/WS 247 Black Feminist Politics

## POLS 248 African American Politics

POLS 249 Latino Political Behavior
SOCI 268/268W Class, Power, and Inequality

2006-34 Add Minor in Marine Archaeology: Returned for clarification of approvals and sponsorship

2006-35 Add CHIN 1XX - Elem Chin I

Approved Catalogue copy:

CHIN 1xy. Elementary Chinese I. First semester. Four credits each semester. Four class periods and additional laboratory practice. Not open for credit to students who have had three or more years of Chinese.

Development of ability to communicate in Chinese, orally and in writing.

2006-36 Add CHIN 1XY - Elem Chin II
Approved Catalogue copy:

CHIN 1xy. Elementary Chinese II. Second semester. Four credits each semester. Four class periods and additional laboratory practice. Not open for credit to students who have had three or more years of Chinese.

Development of ability to communicate in Chinese, orally and in writing.

2006-37 Add CHIN 1YX - Interm Chin I
Approved Catalogue copy:

CHIN 1yx. Intermediate Chinese I. First semester. Four credits each semester. Four class periods and additional laboratory practice. Not open for credit to students who have had three or more years of Chinese.

Development of ability to communicate in Chinese, orally and in writing.

## 2006-38 Add CHIN 1YY - Interm Chin II

## Approved Catalogue copy:

CHIN 1yy. Intermediate Chinese II. Second semester. Four credits each semester. Four class periods and additional laboratory practice. Not open for credit to students who have had three or more years of Chinese.

Development of ability to communicate in Chinese, orally and in writing.

## 2006-39 Add CHIN 1ZX - Trad Chin Cult

Approved Catalogue copy:
CHIN 1zx. Traditional Chinese Culture. Either semester. Three credits.

Introduction to traditional Chinese culture prior to the $20^{\text {th }}$ century. Survey of institutions, philosophy, art, literature, and social customs seen through a variety of media.

2006-40 Add CHIn 1ZY - Mod Chin Cult

Approved Catalogue copy:
CHIN 1zy. Modern Chinese Culture. Either semester. Three credits.

Introduction to modern Chinese culture from the fall of the Qing Dynasty to the present period. Survey of institutions, philosophy, and social customs seen through literature and films.

2006-41 Add ARAB 1XX - Elem Arab I
Approved Catalogue copy:

ARAB 1xx. Elementary Arabic I. First semester. Four credits each semester. Four class periods and additional laboratory practice. Not open for credit to students who have had three or more years of Arabic.

Development of ability to communicate in Arabic, orally and in writing.

## Approved Catalogue copy:

ARAB 1xy. Elementary Arabic II. Second semester. Four credits each semester. Four class periods and additional laboratory practice. Not open for credit to students who have had three or more years of Arabic.

Development of ability to communicate in Arabic, orally and in writing.

2006-43 Add ARAB 1 YX - Interm Arab I

Approved Catalogue copy:

ARAB 1yx. Intermediate Arabic I. First semester. Four credits each semester. Four class periods and additional laboratory practice. Not open for credit to students who have had three or more years of Arabic.

Development of ability to communicate in Arabic, orally and in writing.

## 2006-44 Add ARAB 1 YY - Interm Arab II

Approved Catalogue copy:

ARAB 1yy. Intermediate Arabic II. Second semester. Four credits each semester. Four class periods and additional laboratory practice. Not open for credit to students who have had three or more years of Arabic.

Development of ability to communicate in Arabic, orally and in writing.

2006-45 Add ARAB 1ZX - Trad Arab Cult

Approved Catalogue copy:
ARAB 1ZX. Traditional Arab Literatures, Cultures, and Civilizations

Either semester. Three credits.

Representative works from the cultures of the Arab world. Pre-Islamic poets to later writers and thinkers. Relation of literary and artistic forms to their historical contexts.

Approved Catalogue copy:
ARAB 1zy. Modern Arabic Culture.
Either semester. Three credits.

Introduction to modern Arabic culture from Napoleon's Egyptian Campaign to modern Islamism. Survey of institutions, philosophy, and social customs seen through the medium of literature.

2006-47 Add CAMS 298 Special Topics: approved by Chair
CAMS 298 Special Topics. Ethnicity and Identiy in the Hellenistic World

2006-48 Change POLS 212 \& add W variant
Approved Catalogue copy:
POLS 212: Globalization and Political Change
Either semester. Three credits
Origins and contested definitions of globalization, and its impact on national, regional and international institutions and political processes.

Designed for upper-level undergraduate students with a solid grounding in comparative politics and international relations.

POLS 212 W: Globalization and Political Change

Prerequisite: ENGL 110 or 111 or 250

2006-49 Drop JOUR 101: Approved

Meeting adjourned at 5:30 PM.

Submitted by Roger Travis, Secretary pro tempore.

