

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

Minutes for the meeting of October 21, 2003

Last revised: Tuesday, October 28, 2003

Chairman Tom Terry called the meeting to order in room 162 of the Dodd Center at 3:30 PM.

Present were: Roy D'Andrade (ANTH), Alexander Vias (GEOG), Jeff Ladewig (POLS), Roger Travis (MCL), Carl David (CHEM), Carl Coelho (COMS), Lanse Minkler (ECON), Kent Wells (EEB), Albert Fairbanks (ENGL), Robert Thorson (GEOL), Nancy Shoemaker (HIST), Wayne Worcester (JOURN) William Snyder (LING), Gerald Leibowitz (MATH), Annelie Skoog (MARN), Thomas Terry (MCB & Committee Chair), Paul Bloomfield (PHIL), George Rawitscher (PHYS), Joe Crivello (PNB), Robert Henning (PSYC), Marita McComiskey (WS), and Veronica Makowsky (Associate Dean, CLAS).

Also present during part of the meeting as a guest: Arthur Van Lear, COMS

### **1. PRELIMINARIES**

- a. Kentwood D. Wells appointed secretary for this meeting.
- b. Minutes of Oct. 14, 2003 meeting approved
- c. Updates from the chair: New links have been added to the CLAS C&C website relating to General Education.
- d. 298 courses approved by chair:  
**2003-125 SOCI 298.** Interaction and Ethics in Social Research (for Fall 2004)

### **2. UNFINISHED BUSINESS**

**2003-102 Change:** drop prerequisites from a list of CAMS courses. Approved.  
**Nature of proposed change:** drop language prerequisites from a group of CAMS courses.

Approved catalog copy:

#### **CAMS 207. Greek Philosophical Writings**

(Formerly offered as CLAS 207.) Either semester, alternate years. Three credits.  
Selections from Plato and Aristotle.

#### **CAMS 208. Homer**

(Formerly offered as CLAS 208.) Either semester, alternate years. Three credits.  
Selections from the *Iliad* or *Odyssey*.

#### **CAMS 211. Greek Drama**

(Formerly offered as CLAS 211.) Either semester, alternate years. Three credits.  
Selected plays of Aeschylus, Sophocles, Euripides, and Aristophanes.

#### **CAMS 212. Greek Historical Writings**

(Formerly offered as CLAS 212.) Either semester, alternate years. Three credits.  
Selections from Herodotus and Thucydides.

**CAMS 214. Greek Lyric Poetry**

(Formerly offered as CLAS 214.) Either semester, alternate years. Three credits.  
Selections from the early Greek lyric, elegiac, and iambic poets, including but not limited to Archilochus, Mimnermus, Solon, Sappho, Alcaeus, Anacreon, Xenophanes, Theognis, and Simonides.

**CAMS 215. The Greek New Testament**

(Formerly offered as CLAS 215.) Either semester, alternate years. Three credits.  
Selected readings, ordinarily including Acts of the Apostles and at least one Pauline letter.

**CAMS 213. Ovid and Mythology**

(Formerly offered as CLAS 213.) Either semester, alternate years. Three credits.  
Selections from Ovid, mainly from the *Metamorphoses*, and a study of the myths of Greece and Rome.

**CAMS 221. Survey of Classical Latin Literature**

(Formerly offered as CLAS 221.) Either semester, alternate years. Three credits.  
Extensive reading of a relatively wide range of authors of representative classical Latin prose and poetry.

**CAMS 224. Vergil and the Roman Epic**

(Formerly offered as CLAS 224.) Either semester, alternate years. Three credits.  
Books VII-XII of the *Aeneid* and a study of the relation of the *Aeneid* to earlier Greek epic and to the later epic tradition.

**CAMS 225. Latin Drama**

(Formerly offered as CLAS 225.) Either semester, alternate years. Three credits.  
Selected plays of Plautus, Terence, and Seneca, with lectures on Roman theatre and the development of drama.

**CAMS 226. Latin Lyric Poetry**

(Formerly offered as CLAS 226.) Either semester, alternate years. Three credits.  
Selections from the lyrics of Horace and Catullus, with lectures on metrical patterns and the influence of Greek lyrics.

**CAMS 227. Latin Historical Prose**

(Formerly offered as CLAS 227.) Either semester, alternate years. Three credits.  
Selections from Sallust, Livy, and Tacitus.

**CAMS 230. Latin Philosophical Prose and Poetry**

(Formerly offered as CLAS 230.) Either semester, alternate years. Three credits.  
Selections from Lucretius, Cicero, and Seneca.

**CAMS 231. Latin Elegiac Poetry**

(Formerly offered as CLAS 231.) Either semester, alternate years. Three credits.  
Selections from Tibullus, Propertius, and Ovid's *Amores*.

**2003-103 Add:** CAMS 2xy. The Ancient World in Cinema. Approved.

Approved catalog copy:

**CAMS 2xy. The Ancient World in Cinema.**

Either semester, three credits.

Representations of the ancient Mediterranean world in contemporary cinema.

**2003-108 Add:** PNB 4XX. Seminar in research and journal presentations in physiology and neurobiology. Approved.

Approved catalog copy:

**†PNB 4XX. Seminar in research and journal presentations in physiology and neurobiology.**

Provides the opportunity for graduate students to present journal articles and their laboratory research in physiology and neurobiology to the department.

*1 credit, Seminar. May be repeated for credit.*

**2003-109 Add:** PNB 2XX. Molecular Neuroanatomy. Approved.

Approved catalog copy:

**PNB 2XX. Molecular Neuroanatomy.**

First semester. Three credits. Prerequisite: PNB 251 or consent of instructor. Recommended preparation: MCB 203 or 204.

Introduction to molecular neurobiology and the anatomy of the brain, and integration of the molecular systems with anatomical structure and function.

**2003-110 Add:** PNB 2XY. Physiological Model Systems. Approved.

Approved catalog copy:

**PNB 2XY. Physiological Model Systems.**

Second semester, alternate years. Three credits. Prerequisite: PNB 250, PNB 274/275, or consent of instructor. Recommended preparation: undergraduate class in basic comparative animal physiology.

Advanced, in-depth examination of animal comparative physiology.

**2003-111 Change Major:** Psychology

Nature of proposed change: List courses required of majors in groups. List W versions of courses in catalog copy. Make explicit requirement to complete Psych 132 and 133/135 before taking 200-level courses.

Approved catalog copy:

### **Psychology**

The Psychology Department recommends that its majors take a broad selection of psychology courses and electives to obtain a well-rounded introduction to the science. The Department encourages students to participate in its research activities, including laboratory courses, research seminars, and independent study experiences.

The Department advises students planning to major in psychology to secure a background in the basic sciences and relevant social sciences, preferably before their junior year. Suggested courses

include Biology 102, 107, or 108; ANTH 106 or 220; and SOCI 107. If at all possible, majors should take STAT 110 (or 100) by their third semester.

The following core curriculum is required: Our two introductory-level courses—General Psychology I 132 and either General Psychology II 133 or General Psychology II (Enhanced) 135— followed by at least twenty-four 200 level Psychology credits including:

**Group I. Foundation.** Both courses: Principles of Research in Psychology 202Q and The History and Systems of Psychology 291/291W.

**Group II. Social and applied science perspective.** Two courses chosen so that two of the following four areas are represented: (a) Developmental Psychology 236; (b) Social Psychology 240; (c) Personality 243 or Abnormal Psychology 245/245W; (d) Industrial/Organizational Psychology 268.

**Group III. Natural science perspective.** Two courses (Bachelor of Arts degree) or three courses (Bachelor of Science degree) chosen so that two of the following five areas are represented: (a) Learning 220; (b) Cognitive Psychology 256; (c) Psychology of Language 221; (d) Animal Behavior 253 or Physiological Psychology 257/257W; (e) Sensation-Perception 254.

**Group IV. Laboratory courses.** Two courses from the following (Bachelor of Science degree only): Laboratory in Cognition 210W, Psycholinguistics Laboratory 211W, Laboratory in Sensation and Perception 215W, Laboratory in Developmental Psychology 232W, Laboratory in Social Psychology 242/242W, Laboratory in Personality 244/244W, Laboratory in Animal Behavior and Learning 263/263W, Laboratory in Physiological Psychology 267/267W.

**Additional 200-level Psychology Courses.** (At least six credits for the Bachelor of Arts degree; optional for the Bachelor of Science degree.) May include any courses taken for Groups I, II, and III that are not used to fulfill those “core” requirements, as well as any Psychology course in the Catalog. Up to three credits of PSYC 297 or 299 can be used, and PSYC 294 cannot be used.

**Related 200-level non-psychology courses.** At least 12 credits. Must be approved by advisor prior to registration. Because of content overlap, COMM 210 (Persuasion), EPSY 221 (Educational Psychology), and HDFS 202 (Human Development: Infancy Through Adolescence) may not be used.

There is a minor in Psychology. A minor in Neuroscience is also offered jointly by the Psychology Department and the Physiology and Neurobiology Department. Both programs are described in the *Minors* section.

**2003-112 Add:** COMM 301. Introduction to Graduate Communication Research Methods. Approved.

Approved catalog copy:

**COMM 301. Introduction to Graduate Communication Research Methods.**

Introduction to quantitative research methods and statistics. Issues of measurement and design of communication studies as well as basic descriptive and inferential statistics are covered.  
*3 Credits, Lecture. Consent of instructor required.*

**2003-113 Change:** PNB 351. Advanced Electron Microscopy. Approved.  
Nature of proposed change: course title and prerequisites.

Approved catalog copy:

**PNB 351. Projects in Electron Microscopy.**

Electron microscopy as a research method in biological sciences.  
*1-3 credits, Independent Study. Instructor consent required.*

**2003-114 Add:** EEB 2xx: African Field Ecology and Renewable Resources Management.  
Approved.

Approved catalog copy:

**EEB 2xx: African Field Ecology and Renewable Resources Management**

(Also offered as NRME 2XX and EEB 3XX). Second semester, alternate years. Four credits.  
One class period during the semester, followed by three weeks in the field in South Africa.  
Recommended Preparation: EEB 244. Consent of instructor required.

An intensive, field oriented methods course conducted primarily in South Africa at the Basil Kent Field Station, Great Fish River Reserve in collaboration with the University of Fort Hare. An introduction to South Africa culture and history, ecology, and natural resources is provided in weekly meetings during the semester. This is followed by 3 weeks in South Africa. Topics covered include vegetation and faunal surveys, data collection and analysis, biodiversity monitoring, and conservation management. A research paper relating to an independent study conducted by the student in the field is required.

**2003-115 Add:** EEB 3xx: African Field Ecology and Renewable Resources Management.  
Approved.

Approved catalog copy:

**EEB 3xx: African Field Ecology and Renewable Resources Management**

An intensive, field oriented methods course conducted primarily in South Africa at the Basil Kent Field Station, Great Fish River Reserve in collaboration with the University of Fort Hare. An introduction to South Africa culture and history, ecology, and natural resources is provided in weekly meetings during the semester. This is followed by 3 weeks in South Africa. Topics covered include vegetation and faunal surveys, data collection and analysis, biodiversity monitoring, and conservation management. A research paper relating to an independent study conducted by the student in the field is required.  
*4 credits. One class period during the semester, followed by three weeks in the field in South Africa. Consent of instructor required.*

**2003-116 Add:** EEB 490. Seminar in Behavioral Ecology. Approved.

Approved catalog copy:

†**EEB 490. Seminar in Behavioral Ecology.**

Analysis and discussion of current literature in behavioral ecology.

*1 credit, Seminar. May be repeated for credit.*

**2003-117 Change:** MATH 215Q. Linear Algebra. Approved.

Nature of proposed change: description and prerequisite

Approved catalog copy:

**MATH 215. Abstract Linear Algebra.**

Either semester. Alternate years. Three credits. Prerequisite: MATH 227 and MATH 213 or 214.

Vector spaces and linear transformations over fields.

**2003-118 Change Major:** Mathematics. Tabled until October 28.

**2003-119 Change:** MATH 109Q. Algebra and Trigonometry. Tabled until October 28.

**2003-120 Add:** HIST 2xx: Gender and Sexuality in Modern Europe. Approved (see also item 2003-126).

Approved catalog copy:

**HIST 2xx: Gender and Sexuality in Modern Europe.**

(Also offered as WS 2XX.) Either semester. Three credits. *Shafer*

The construction of gender difference and ideas about sexuality in western Europe since 1789. Masculinity and femininity; sexuality, identity and the state; European power and personhood in global context.

**2003-121 Change:** MATH seven courses, changes in prerequisites and/or exclusions related to MATH 114Q. Approved.

Nature of Proposed Changes: all are changes in prerequisites and/or exclusions related to MATH 114Q

Approved catalog copy (1):

**MATH 114Q. Introductory Calculus 3**

Either semester. Four credits. Four class periods. Prerequisite: MATH 113. Recommended preparation: grade of C- or better in MATH 113. Note: MATH 115 is not adequate preparation for MATH 114. Not open for credit to students who have passed MATH 116 or 121.

The transcendental functions, formal integration, polar coordinates, infinite sequences and series, lines and planes in three dimensions, vector algebra.

Approved catalog copy (2):

**MATH 116Q or V. Calculus II**

Either semester. Four credits. Four class periods. Prerequisite: MATH 113 or 115 or 120, or advanced placement credit for calculus (a score of 4 or 5 on the Calculus AB exam or a score of 3 on the Calculus BC exam). Recommended Preparation: A grade of C- or better in MATH 113 or MATH 115. Not open to students who have passed MATH 114 or 121. May be used in place of MATH 114 or 121 to fulfill any requirement satisfied by MATH 114 or 121.

Transcendental functions, formal integration, polar coordinates, infinite series and sequences, vector algebra and geometry, with applications to the physical sciences and engineering. Sections with V credit integrate computer-laboratory activity.

Approved catalog copy (3):

**MATH 210Q. Multivariable Calculus**

Either semester. Four credits. Four class periods. Prerequisite: MATH 116 or 121 or a score of 4 or 5 on the Advanced Placement Calculus BC exam. Recommended Preparation: A grade of C- or better in MATH 116. Not open for credit to students who have passed MATH 220. Open to sophomores.

Two- and three-dimensional vector algebra, calculus of functions of several variables, vector differential calculus, line and surface integrals.

Approved catalog copy (4):

**MATH 211Q. Elementary Differential Equations**

Either semester. Three credits. Prerequisite: MATH 116 or 121. Recommended preparation: A grade of C- or better in MATH 116; and MATH 210 or 220. Not open for credit to students who have passed MATH 221. Open to sophomores or higher.

Introduction to ordinary differential equations and their applications, linear differential equations, systems of first order linear equations, numerical methods.

Approved catalog copy (5):

**MATH 227Q. Applied Linear Algebra**

Either semester. Three credits. Prerequisite: MATH 116 or 121. Recommended Preparation: A grade of C- or better in MATH 116. Not open for credit to students who have passed MATH 215. Open to sophomores or higher.

Systems of equations, matrices, determinants, linear transformations on vector spaces, characteristic values and vectors, from a computational point of view. The course is an introduction to the techniques of linear algebra with elementary applications.

Approved catalog copy (6):

**MATH 220Q. Enhanced Multivariable Calculus**

Either semester. Four credits. Prerequisite: MATH 121 or consent of the instructor. Open to sophomores or higher. Not open to students who have passed MATH 210. MATH 220 satisfies any requirement met by MATH 210, and provides superior preparation for prospective mathematics, science, and engineering majors.

The subject matter of MATH 210 in greater depth, with emphasis on the underlying mathematical concepts.

Approved catalog copy (7):

**MATH 221Q. Enhanced Differential Equations**

Either semester. Three credits. Prerequisite: MATH 121 or consent of the instructor. Open to sophomores or higher. Not open to students who have passed MATH 211. MATH 221 satisfies any requirement met by MATH 211, and provides superior preparation for prospective mathematics, science, and engineering majors.

The subject matter of MATH 211 in greater depth, with emphasis on the underlying mathematical concepts.

### 3. NEW BUSINESS

**2003-122 Add:** ANTH 2XX. Zooarchaeological Method and Theory. Approved.

Approved catalog copy:

**ANTH 2XX. Zooarchaeological Method and Theory.**

Either semester. Three credits. *Munro.*

Method and theory of archaeological faunal analysis, including training in the identification of skeletal materials, the formation of the zooarchaeological record, and the interpretation of zooarchaeological data.

**2003-123 Add:** ANTH 2XY. The Origins of Agriculture. Approved.

Approved catalog copy:

**ANTH 2XY. The Origins of Agriculture**

Either semester. Three credits. *Munro*

The origins and spread of agriculture worldwide. Economic, social and ideological ramifications of the agricultural transition. Processes of plant and animal domestication.

**2003-124 Add:** ANTH 2XZ. Experimental Archaeology. Approved.

Approved catalog copy:

**ANTH 2XZ. Experimental Archaeology.**

Either semester. Three credits. Prerequisite: ANTH 214. *Munro, McBrearty*

Method and theory of experimental archaeology, including hands-on study of past human behavior through experimentation with modern material cultural, and the execution of an experimental research project addressing an archaeological question.



**2003-125** SOCI 298. Interaction and Ethics in Social Research (Approved by the chair)

**2003-126 Cross-list:** HIST 2xx and WS 2xx. Gender and Sexuality in Modern Europe. Approved.

Approved catalog copy:

**HIST 2xx. Gender and Sexuality in Modern Europe**

(Also offered as WS 2xx.) Either semester. Three credits. *Schafer*

Construction of gender difference and ideas about sexuality in western Europe since 1789. Masculinity and femininity; sexuality, identity and the state; European power and personhood in global context.

**WS 2xx: Gender and Sexuality in Modern Europe**

(Also offered as HIST 2xx.) Either semester. Three credits. *Schafer*

Construction of gender difference and ideas about sexuality in western Europe since 1789. Masculinity and femininity; sexuality, identity and the state; European power and personhood in global context.

**2003-127 Add existing course to CLAS Gen Ed Group 7:** WS 105. Gender in Everyday Life. Approved.

Approved catalog copy: (General Education list for CLAS, p. 51 of 2002-03 catalog)

***Social Scientific and Comparative Analysis (Group 7)***

Bachelor of Arts (BA) three courses from:

Bachelor of Science (BS) one course from:

ARE 110, 150,

ANTH 106, 220

COMM 100

ECON 101, 102, 111, 112,

GEOG 104, 200

LING 102

POLS 132, 173

PSYC 133/135

SOCI 107, 115, 125

WS 103, 105

**2003-128 Add:** GEOL 323. Glacial Processes and Materials. Approved.

Approved catalog copy:

**GEOL 323. Glacial Processes and Materials**

Reconstruction of former glaciers and the interactive processes leading to the character and distribution of unconsolidated surface materials in glaciated regions. Techniques for interpreting subsurface unconsolidated materials.

*3 credits, Lecture. Recommended Preparation: A course in geomorphology or earth surface processes, or equivalent*

**2003-129 Add:** GEOL 228. Applied Geophysics for Geologists and Engineers. Approved.

Approved catalog copy:

**GEOL 228. Applied Geophysics for Geologists and Engineers**

First semester. Three credits. One 3-hour lecture period during which geophysical field demonstrations may be performed. Prerequisite: GEOL 101 or GEOL 102 or consent of instructor. *Liu*

Introductory survey of surface and borehole geophysical methods and their application to hydrogeologic, environmental monitoring, and geotechnical engineering studies. Laboratory involve geophysical field measurement, data reduction and geologic interpretation.

**2003-130 Add:** GEOL 328. Applied Geophysics for Geologists and Engineers. Approved.

Approved catalog copy:

**GEOL 328. Applied Geophysics for Geologists and Engineers**

Introductory survey of surface and borehole geophysical methods and their application to hydrogeologic, environmental monitoring, and geotechnical engineering studies. Laboratory involves geophysical field measurement, data reduction and geologic interpretation.

*3 credits, Lecture*

**2003-131 Add:** EEB 471. Systematic Botany. Approved.

Approved catalog copy:

**EEB 471. Systematic Botany**

Classification, identification, economic importance, evolution and nomenclature of flowering plants. Laboratory compares vegetative and reproductive characters of major families. A research paper and class presentation are required on a topic pre-approved by the instructor.

*4 credits, Lecture and Laboratory. Instructor consent required.*

**2003-132 Change:** remove CHEM prerequisite from EEB 245 & EEB 245W. Evolutionary Biology. Approved.

Approved catalog copy:

**EEB 245. Evolutionary Biology**

Second semester. Three credits. Prerequisite: Six credits of college biology. Open to sophomores or higher. *Caira, Henry, Holsinger, Jockusch, Simon*

Introduction to evolutionary mechanisms, biogeography, and the history of major groups of plants and animals.

**EEB 245W. Evolutionary Biology**

Second semester. Four credits. Prerequisite: Six credits of college biology; [ENGL 105](#) or [110](#) or [111](#) or [250](#). Open to sophomores or higher.

Content as in EEB 245; requires major writing assignment.

**2003-133 Change:** remove prerequisite from MARN 255W. Coastal Studies Seminar.  
Approved.

Approved catalog copy:

**MARN 255W. Coastal Studies Seminar**

Second semester (Avery Point). Two credits. Prerequisite: MARN 210 and 211, or consent of instructor.

Scientific analysis of coastal-zone issues and their interdisciplinary implications. Written analysis and discussion of primary literature.

**2003-134 Change:** add prerequisite to MARN 211. Coastal Systems Science II.  
Tabled until October 28.

**4. ADJOURNMENT**

The meeting was adjourned at 5:30 PM.