

*College of Liberal Arts and Sciences*  
*Committee on Curricula and Courses*  
**Minutes of the meeting of Nov. 9, 2004**

Approved by e-mail ballot: Nov. 29, 2004

Chairman Terry called the meeting to order in Room 162 of the Dodd Center at 3:33 pm. Present were: Robert Michel (CHEM), Anne Hiskes (CLAS Dean's office), Ross Buck (COMS), Lanse Minkler (ECON), Kentwood Wells (EEB), Albert Fairbanks (ENGL), Nancy Shoemaker (HIST), Roger Travis (MCL), Gerald Leibowitz (MATH), Annelie Skoog (MARN), Thomas Terry (MCB and Chair), George Rawitscher (PHYS), Jeremy Pressman (POLS), Robert Henning (PSYC), Arnold Dashefsky (SOC), and Marita McComiskey (WS). Also present as a guest was Eric Schultz (Environmental Science)

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## **1. PRELIMINARIES**

- a. Harris Fairbanks was appointed Secretary *pro tempore*.
- b. The Minutes from the meeting of 26 October 2004 were approved.
- c. The Minutes from the meeting of 2 November 2004 were amended and approved.
- d. Updates from the Chair:
  - (i) Chairman Terry announced that the draft revision of CLAS requirements previously approved by this committee were also approved at the College meeting of Nov. 3. A proposed amendment to reduce the W requirement from three courses to two was defeated.
  - (ii) **The Committee appointed a “Task Force on Writing”** to investigate resources and performance in W courses. Members appointed: Michel, Pressman, Henning, and Hiskes (chair).
  - (iii) On a motion from Hiskes, the Committee **approved two editorial changes in the CLAS requirements passed by the College on Nov. 3** in order to eliminate the possibility that students might satisfy the CLAS requirements without satisfying the University requirements:
    - (a) Following the paragraph on “Quantitative Reasoning” insert the following paragraph:  
**The courses in Content Areas One, Two, and Three below must be taken in at least eight different academic units. This distribution ensures that students also satisfy University General Education requirements.**
    - (b) Following the general statement of Arts and Humanities requirements for the BS and before the list of arts courses insert the following:  
**Courses must be from at least four different academic units.**

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## **2. UNFINISHED BUSINESS**

**2004-139. Add: PSYC 4XX. Research in Clinical Psychology. Committee action: approved. Approved Catalog Copy:**

**PSYC 4XX. Research in Clinical Psychology**

*1-6 credits, Seminar. Instructor consent required. With change of content, may be repeated for credit.*

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**2004-144. Add: ANTH 283. Theories of Society. Committee action: approved.****Approved Catalog Copy:****ANTH 283. Theories of Society**

Either semester. 3 credits. Recommended Preparation: upper division social science course work.

Theories about human culture and society. Attempts to formulate general theories that integrate cultural, social, and psychological factors in the ethnographic investigation of human life.

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**2004-149A. Change Minor: History. Committee action: approved.****Approved Catalog Copy:**

Students must pass five courses (15 credits), by completing either (A) five courses across at least three distribution groups, or (B) HIST 211 and four courses across at least three distribution groups.

**List of Courses**

**Group A** - Ancient, Medieval, and Early Modern: HIST 203, 212 (or ANTH 257), 213 (or CAMS 253), 214 (or CAMS 254), 216 (or CAMS 255), 217 (or CAMS 243), 218 (or CAMS 256, HEB 218, JUDS 218), 219, 220, 250, 251, 255, 257 (or CAMS 250), 261, 267, 271, 272, 273, 274.

**Group B** - Modern Europe: HIST 203, 206 (or SCI 206), 208 (or WS 208), 209 (or HDFS 279), 225, 228, 229, 252, 253, 254, 256, 258, 259, 262, 264, 265, 269, 279, 291.

**Group C** - United States: HIST 206 (or SCI 206), 207, 210 (or WS 210), 215 (or WS 215), 227, 233, 234, 235, 236, 237, 238, 239, 240, 241 (or URBN 241), 242, 243, 244, 245, 246, 247, 248, 249, 253, 260, 266, 268 (or AASI 268), 278 (or PRLS 220), 284 (or PRLS 221), 294 (or AASI 294).

**Group D** - Africa, Asia, Latin America, and Middle East: HIST 204, 205, 221, 222, 223, 224, 226, 253, 266, 275, 276, 277 (or AASI 277), 278 (or PRLS 220), 280, 281, 282, 283, 285, 286, 287 (or AASI 287), 288 (or AASI 288), 289, 290.

**Variable Topics Courses** (HIST 201, 270, 292, 293, 295, 296, 297, 298, 299, or a graduate level History course) may be applied to any of the four distribution groups as determined by course content and with the Undergraduate Director's consent. The minor is offered by the History Department.

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**2004-149B. Change Major: History. Committee action: approved.****Approved Catalog Copy:**

The study of history aims at the understanding and disciplined reconstruction of past human activities, institutions, ideas, and aspirations in the light of present knowledge and in the hope of usefulness for the future. History belongs both to the humanities and to the social sciences. It is studied both for its own sake and for the light it throws on the present problems and future prospects of particular societies and of humankind in general.

A major in history in combination with work in foreign languages, philosophy, literature, and the social sciences provides a broad foundation for informed citizenship. History majors find employment in many fields of human endeavor from arts and business to public service and zymurgy. Specialization in history is especially valuable as pre-professional training for law, government, diplomacy, and journalism and for library, archival, and museum administration.

**Requirements for the Major in History:** Undergraduate majors are required to take at least 27 credits in 200-level courses, which must include one three-credit course from each of Groups A, B, and C, and two three-credit courses from Group D. All majors must take HIST 211 in the semester following their declaration as majors, and all majors except Honors students must take HIST 297W in their senior year. Honors students should take in sequence 297W and 200W or 299 and 200W. With the consent of the undergraduate major's advisor, 300-level courses may be used to fulfill the distribution requirement. HIST 211 and 297W satisfy the Information Literacy Competency. HIST 200W or 297W satisfy the "Writing in the Major" requirements.

**Group A - Ancient, Medieval, and Early Modern:** HIST 203, 212 (or ANTH 257), 213 (or CAMS 253), 214 (or CAMS 254), 216 (or CAMS 255), 217 (or CAMS 243), 218 (or CAMS 256, HEB 218, JUDS 218), 219, 220, 250, 251, 255, 257 (or CAMS 250), 261, 267, 271, 272, 273, 274.

**Group B - Modern Europe:** HIST 203, 206 (or SCI 206), 208 (or WS 208), 209 (or HDFS 279), 225, 228, 229, 252, 253, 254, 256, 258, 259, 262, 264, 265, 269, 279, 291.

**Group C - United States:** HIST 206 (or SCI 206), 207, 210 (or WS 210), 215 (or WS 215), 227, 233, 234, 235, 236, 237, 238, 239, 240, 241 (or URBN 241), 242, 243, 244, 245, 246, 247, 248, 249, 253, 260, 266, 268 (or AASI 268), 278 (or PRLS 220), 284 (or PRLS 221), 294 (or AASI 294).

**Group D - Africa, Asia, Latin America, and Middle East:** HIST 204, 205, 221, 222, 223, 224, 226, 253, 266, 275, 276, 277 (or AASI 277), 278 (or PRLS 220), 280, 281, 282, 283, 285, 286, 287 (or AASI 287), 288 (or AASI 288), 289, 290.

**Variable Topics Courses** (HIST 200, 201, 270, 292, 293, 295, 296, 297, 298, 299, or a graduate level History course) may be applied to any of the four distribution groups as determined by course content and with Advisor consent.

A minor in [History](#) is described in the [Minors](#) section.

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**2004-165. Change Major: Anthropology. Committee action: approved.**  
**Approved Catalog Copy:**

Anthropology studies human beings of all times and places. It examines human biological, cultural and social similarities and differences, and tries to explain them. Because of its broad perspective - which stresses writing, critical thinking, and social analysis - anthropology provides

an excellent preparation for a variety of professional and business careers. Anthropology can also be an integral part of the training for life that is the goal of the University's liberal arts program.

All majors must take the following courses: a 100 level Anthropology course, as well as [ANTH 214](#), [220](#), [233](#), and [244](#). Students must take at least one course in an ethnographic area ([ANTH 221](#), [222](#), [223](#), [225](#), [226](#), [227W](#), [228](#), [229](#), [230](#), [238](#), [241](#), [270](#)). Finally, to satisfy the Writing in the Major competency, all majors must pass at least one of the department's designated 200-level writing courses: ANTH 212W, 220W, 246W, 257W, 262W, 263W, or 288W.

In addition, majors must take at least three 200 level anthropology courses two of which are not ethnographic area courses. We strongly recommend that majors take [ANTH 212](#) and a course in research methods (ANTH 249 or ANTH 268). These courses should be taken during the student's senior year, if possible.

A minor in Anthropology is described in the [Minors](#) section.

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**2004-168. Change:** SOCI 356. Gender and Society (title and allow repetition for credit).

**Committee action: approved.**

**Approved Catalog Copy:**

**SOCI 356. Seminar in Gender and Society**

Critical appraisal of social scientific perspectives on women and men. Feminist theory and current social science research on gender. Emphasis on interdisciplinary approaches.

*3 credits, Seminar. With a change in content, this course may be repeated to a maximum of 9 credits.*

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**2004-169. Add:** JUDS 300. Topics in Biblical Studies. **Committee action: approved.**

**Approved Catalog Copy:**

**JUDS 300. Topics in Biblical Studies**

Topics in the historical, literary and philosophical study of the Bible with special emphasis on current methodological issues.

*3 credits, Lecture. Instructor consent required.*

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**2004-170. Add:** JUDS 305. Bible and Archaeology. **Committee action: approved.**

**Approved Catalog Copy:**

**JUDS 305. Bible and Archaeology**

Chronological and cultural structure of the Ancient Near East from the third millennium (3000 BCE) through the beginnings of the Byzantine period (4th century CE) with an emphasis upon the textual information presented by the Bible.

*3 credits, Lecture. Instructor consent required.*

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**2004-171. Add: JUDS 313. Israel and the Ancient Near East. Committee action: approved.**  
**Approved Catalog Copy:**

**JUDS 313. Israel and the Ancient Near East**

History, literature, religion and archaeology of the Ancient Near East emphasizing the role Israel played within the context of Mesopotamia and Egyptian history and culture.  
*3 credits, Lecture. Instructor consent required.*

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**2004-172, Add: JUDS 315. Ancient Jewish Fictions. Committee action: approved.**  
**Approved Catalog Copy:**

**JUDS 315. Ancient Jewish Fictions**

Hellenistic Jewish Literature in the context of ancient fictions.  
*3 credits, Lecture. Instructor consent required. 3 class periods and additional meetings as needed.*

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**2004-173. Add: JUDS 353. Modern European Jewish History. Committee action: approved.**  
**Approved Catalog Copy:**

**JUDS 353. Modern European Jewish History**

Selected topics in modern European Jewish history between the Enlightenment and the establishment of the state of Israel.  
*3 credits, Lecture. Instructor consent required.*

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**2004-174. Add: JUDS 355. Topics in Jewish Ethics. Committee action: approved.**  
**Approved Catalog Copy:**

**JUDS 355. Topics in Jewish Ethics History**

Topics in Jewish ethics as reflected in literature and history, including social ethics, political ethics, economic and business ethics, sexual ethics, medical and bioethics, and others.  
*3 credits, Seminar. Instructor consent required.*

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**4. NEW BUSINESS**

**2004-175. Change: ENGL 297. Writing Internship (change conditions for repeating for credit).**  
**Committee action: approved.**  
**Approved Catalog Copy:**

**ENGL 297. Writing Internship**

Either semester. Credit and hours by arrangement, not to exceed six credits per semester.

Prerequisite: ENGL 105 or 110 or 111 or 250. May be repeated for credit. Open only with consent of instructor. No more than eight credits may be earned in a single placement, and no more than three credits may be counted towards completion of requirements for the English major. Students taking this course will be assigned a grade of S (satisfactory) or U (unsatisfactory).

Training in writing in a supervised field placement.

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**2004-176. Add:** SCI 1XX. Geoscience through American Studies; **Change:** GEOL 103 and GEOL 105 (SCI 1XX and GEOL 103 or 105 not both to be taken for credit). **Committee action: approved.**

**Approved Catalog Copy:**

**SCI 1XX. Geoscience through American Studies.**

Either semester. Three Credits. Open only to Honors Students. Not open for credit to students who have passed GEOL 103 or 105. *Thorson.*

Reading-intensive foundation course in geology taught from the perspective of American Studies. A small-group, honors-only enhancement of GEOL 103. Readings from American history and literature will be linked to the geology course content. An individual project in the student's area of interest is required.

**GEOL 103. Earth and Life through Time**

Both semesters. Three credits. Three class periods. Not open to students enrolled in or having passed GEOL 105 or SCI 1XX. For students who later complete GEOL 107, this course will be converted from a Group III Non-laboratory course to a Group III Laboratory course.

History of planet Earth, emphasizing how rock, air, water, and life interact at different scales to produce the earth's crust, landforms, life systems, natural resources, catastrophes, and climatic regimes. Provides a scientific context for human-induced global change.

**GEOL 105. Earth and Life through Time with Laboratory**

Both semesters. Four credits. Three class periods and one three-hour laboratory period. Not open to students enrolled in or having passed GEOL 103 or SCI 1XX.

History of planet Earth, emphasizing how rock, air, water, and life interact at different scales to produce the earth's crust, landforms, life systems, natural resources, catastrophes, and climatic regimes. Provides a scientific context for human-induced global change. Includes laboratory component (see GEOL 107).

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**2004-177. Change Major:** Biophysics. **Committee action: approved.**

**Approved Catalog Copy:**

**Biophysics** (BPHY) [Note: CLAS CC&C approved a proposal to change this name to "**Structural Biology & Biophysics**". That change must be approved the Board of Trustees before the name change will be official, and the paperwork is in process.]

This B.S. program emphasizes the physical and chemical foundations of molecular biology. A

total of 36 credits at the 200-level or above from the following courses are required for the major.

### Required Courses

General Chemistry: CHEM 127 and 128, OR CHEM 129 and 130, OR CHEM 124, 125 and 126

Calculus: MATH 115 and 116, OR MATH 112, 113, and 114

Multivariable Calculus: MATH 210

Elementary Differential Equations: MATH 211, OR Applied Linear Algebra: MATH 227

General Physics with Calculus: PHYS 131 and 132, OR PHYS 141 and 142, OR PHYS 121, 122 and 123

Organic Chemistry: CHEM 243 and 244

Physical Chemistry: CHEM 263 and 264

Physical Chemistry Laboratory: CHEM 265, OR Organic Chemistry Laboratory: CHEM 245

Biochemistry: MCB 204

Techniques of Biophysical Chemistry: MCB 208, OR Techniques in Structural Biology: MCB 338, OR Special Topics: MCB 298 (with Biophysics Program approval)

Structure and Function of Biological Macromolecules: MCB 209

### Recommended Courses

Senior Research Thesis in Molecular and Cell Biology: MCB 292W

Independent Study: MCB 299

Advanced Biochemistry Laboratory: MCB 226W

Introduction to Molecular Evolution and Bioinformatics: MCB 221

Protein Folding: MCB 335

Cell Biology: MCB 201, MCB 210

Genetics: MCB 200, 212, 213, 215

Microbiology: MCB 217, 229, 235

Quantitative Analytical Chemistry: CHEM 232

Introduction to Quantum Chemistry: CHEM 251

Introduction to Numerical Computation: CSE 110C

Introduction to Computing: CSE 123C

Fundamentals of Computation: CSE 130C

Linear Algebra: MATH 215

**To satisfy the Writing and Information Literacy competency requirements, all students must take one of the following courses: MCB 222W, MCB 226W, MCB 241W, MCB 292W, CHEM 270W, CHEM 297W.**

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**2004-178. Change:** INTD 265. Seminar in American Studies (convert to W; drop non-W).

**Committee action: approved.**

**Approved Catalog Copy:**

### **INTD 265W. Seminar in American Studies**

(Also offered as ENGL 265W.) Second semester. Three credits.

An in-depth study of an event, historical period, or cultural production from an interdisciplinary perspective.

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**2004-179. Add:** MARN 200. The Hydrosphere. **Committee action: approved.**

**Approved Catalog Copy:**

#### **MARN 200. The Hydrosphere**

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

Interactions of the hydrological, chemical and biological components of the hydrosphere.

Transport, reservoirs and dynamics of water in environmental systems

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**2004-180. Change Major:** Environmental Science (effective fall 2005). **Committee action: approved.**

**Approved Catalog Copy:**

#### **Environmental Science**

The major in Environmental Science is based in the physical and biological sciences, but also includes course work in selected areas of the social sciences. The major leads to a Bachelor of Science degree, and may be adopted by students in either the College of Agriculture and Natural Resources or the College of Liberal Arts and Sciences. This curriculum offers a comprehensive approach to the study of environmental problems, including not only a rigorous scientific background, but also detailed analyses of the social and economic implications of environmental issues. The complexity and interdisciplinary nature of environmental science is reflected in the core requirements of the major. These courses, assembled from several different academic departments representing two colleges, provide both breadth and depth, preparing students for careers that deal with environmental issues and for graduate study in environmental science and related fields.

A. Required Courses in Basic Science: ARE 150; BIOL 107, 108 or 107, 110; CHEM 127Q, 128Q or 124Q, 125Q, 126Q; MATH 115Q, 116Q or 112Q, 113Q, 114Q; PHYS 131Q, 132Q or 121Q, 122Q, 123; STAT 100Q or 110Q or 220Q.

B. Required Courses in Introductory Environmental Science: Select any two from GEOG 205, GEOL 105, MARN 170, NRME 100.

C. Required Courses in Upper-level Environmental Science:

ANSC 226 Environmental Health

EEB 244 or 244W General Ecology

GEOL 251 Earth Surface Processes

NRME 241 Meteorology



## MARN 200 The Hydrosphere

D. Capstone course: GEOG 286W Environmental Evaluation and Assessment

E. Competency requirements:

Completion of the courses listed in A.-D. will satisfy the competency requirements. Completion of GEOG 286W will satisfy the Writing in the Major requirement. Students enrolled in GEOG 286W will receive instruction from the Library staff on information retrieval and computer research methods related to Environmental Science, which will satisfy the Information Literacy requirement. Students enrolled in BIOL 108 and EEB 244 receive instruction on data organization and analysis, which will satisfy the Computer Literacy requirement.

F. Concentration requirements All students majoring in Environmental Science must also fulfill the requirements of a concentration in a discipline associated with the program before graduation. Approved concentrations are listed below.

**Environmental Chemistry** - Students must complete at least 15 credits including Chem 243, 244, 240 or 245, and 232, with remaining credits from Chem 234; Math 210 and Chem 263; Chem 210; or Chem 370.

**Environmental Biology** - Students must complete: EEB 245 or 245W; EEB 207 or 293W; and at least one course from each of the following groups:

Group I-- Ecological Systems and Processes:

EEB 208, 209W, 247, 294, 296, 301, 302, 310

Group II-- Plant Diversity:

EEB 203, 204, 240, 256, 271, 272, 276, 280, 280W, 290

Group III-- Animal Diversity:

EEB 200, 214, 252, 254, 265, 273, 275, 281 and 287, 283, 286

**Environmental Geography** - Students must complete: GEOG 240 or 246; and at least four of: GEOG 230, 232, 236, 242Q, 248, 285, 287W.

**Environmental Geoscience** - Students must complete at least five of: GEOL 228, 229, 234, 250, 252, 253

**Marine Science** - Students must complete four courses from the following list, but with no more than two courses from a single group.

Group A: MARN 236, 294, 331, 332, 380

Group B: MARN 280W, 371, 325

Group C: MARN 275W

Group D: MARN 270, 372, 376.

Environmental Science also offers the following concentrations through the College of Agriculture and Natural Resources. For complete requirements, refer to the Environmental

Science description in the College of Agriculture and Natural Resources section of this Catalog.

**Resource Economics**  
**Environmental Health**  
**Natural Resources**  
**Soil Science**

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**2004-181. Add: ANTH 2XXW. Human Rights in Democratizing Countries. Committee action: deferred.**

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**2004-182. Add: ANTH 3XXW. Cultural Rights. Committee action: deferred.**

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## **5. ADJOURNMENT**

The meeting adjourned at 5:31 p.m.

Respectfully submitted,  
Harris Fairbanks, secretary *pro tempore*