

<b>Thursday August 27, 2009</b>	<b>Graduate Curriculum Committee Report</b>	<b>3:30 p.m. University Center Room 220</b>
-------------------------------------	---	---

Present: Sibyl Marshall (Chair), Vincent Anfara, Stan Bowie, Clara Lee Brown, Ed Caudill, Catherine Cox, Harry Dahms, Michael Essington, Tom Heffernan, Carolyn Hodges, Rachel Kovac, Jan Lee, John Ma, Sally McMillan, Greg Petty, Jeff Phillips, Kay Reed, George Siopsis, John Wachowicz.

The meeting was called to order by Sibyl Marshall, Chair, at 3:30 p.m. in Room 220 of the University Center on Thursday, August 27, 2009.

**Information Item.** Catherine Cox and Kay Reed provided some information on the development of the Banner Student Information System. The conversion to the Banner system will create some changes in the processes involved with curriculum. The Graduate School announced that prerequisite courses at the 100-, 200-, and 300- level will be removed from existing graduate courses. The Banner system will be fully enforcing prerequisite checking when it is implemented, unlike the current Student Information System. Therefore, it is important to allow graduate students the opportunity to register for graduate level courses without these restrictions on prerequisites. See below:

**Informational Item: At the graduate level, we will omit 100-, 200-, 300-level prerequisite enforcements. With the new Banner Student Information System (to go live spring 2011) the Graduate School will only enforce Prerequisites/Corequisites that are for graduate credit.**

**Use Recommended Background to indicate a 300-level course or an introductory course you feel students need to take.**

**Curricular Changes.** The attached changes were approved by the committee and recommended for approval by the Graduate Council.

- **College of Arts and Sciences – see following changes on courses and one program change in History.**

The meeting adjourned at 4:25 p.m.

The next meeting of the Curriculum Committee is scheduled for October 8, 2009.

# COLLEGE OF ARTS AND SCIENCES

All Changes Effective Fall 2010

## I: COURSE CHANGES

### DEPARTMENT OF BIOCHEMISTRY AND CELLULAR AND MOLECULAR BIOLOGY

#### (188) (BCMB) Biochemistry and Cellular and Molecular Biology

ADD NEW 400-LEVEL COURSES FOR GRADUATE CREDIT

**BCMB 412 Molecular Biology and Genomics (4)** Nucleic acids structure and DNA technology. Mechanisms of cell division, replication, transcription, translation, splicing, recombination, DNA repair and transposition, chromosome organization, DNA-protein interaction in gene regulation, genomic imprinting, epigenetics, RNA interference and genome evolution.

~~(DE) Prerequisite(s): Biology 240.~~

**At the graduate level, we will omit 100-, 200-, 300-level prerequisites. With the new Banner Student Information System (to go live spring 2011) the Graduate School will only enforce Prerequisites/Corequisites that are for graduate credit. Which means we will not enforce 100-, 200-, 300-level courses.**

#### **BCMB 422 Computational Biology and Bioinformatics**

3 Credit Hours Topics include Internet biological resources and databases; bioinformatics tools of analyzing and comparing sequences for nucleic acids and proteins; computational structural biology tools for analyzing protein 3D structures and functions; application of computational tools in drug design.

Contact Hour Distribution: 2 hours lecture and 2 hours lab.

(DE) Corequisite(s): 401.

Registration Permission: Consent of instructor.

DEPARTMENT IS WITHDRAWING TO ADD COURSE 423 FOR GRADUATE CREDIT

#### ~~**BCMB 423 Neural Basis of Behavior**~~

~~3 Credit Hours Structural and functional organization of neural circuits mediating fundamental aspects of behavior including the acquisition, control and processing of sensory information; control and coordination of movement; spatial orientation and navigation; learning and memory.~~

~~(DE) Prerequisite(s): 415 or Psychology 461.~~

REVISE TITLE, DESCRIPTION, AND (DE) PREREQUISITE(S)

#### **BCMB 401 Biochemistry I**

4 Credit Hours First semester of a two-course sequence. Covers amino acid and protein structure and chemistry, protein folding, enzyme reactions mechanisms, carbohydrate and lipid structure, function and metabolism, photosynthesis and carbon fixation, membrane biochemistry, thermodynamics of biological systems, vitamins and coenzymes, citric acid cycle and oxidative phosphorylation, and signal transduction.

~~(DE) Prerequisites: Chemistry 350 and 360.~~

REVISE TITLE, DESCRIPTION, (DE) PREREQUISITE

#### **BCMB 402 Biochemistry II**

4 Credit Hours Second semester of a two-course sequence. Covers membrane lipid metabolism, amino acid metabolism and protein turnover, nitrogen fixation, nucleotide metabolism, nucleic acid structure, integration of metabolism and hormonal signaling, experimental methods of analyzing nucleic acids, DNA replication and repair, chromosome structure and function, RNA and protein synthesis, and control of gene expression.

(DE) Prerequisite(s): 401 and Biology 240

### DEPARTMENT OF EARTH AND PLANETARY SCIENCES

#### (424) (GEOL) Geology

REVISE DESCRIPTION, CONTACT HOUR DISTRIBUTION, AND RECOMMENDED BACKGROUND (PRIMARY COURSE)

#### **GEOL 450 Process Geomorphology**

3 Credit Hours Integrative approach to understanding processes that shape the Earth's surface. Topics include processes and landforms produced by weathering, mass wasting, running water, wind, glaciers, and seas. Field and laboratory exercises include mapping, taking measurements, physical modeling, numerical calculations, and interpretation. *Cross-listed: (Same as Geography 450.)*

Contact Hour Distribution: 2 hours lecture and one 2-hour lab or field period.

Recommended Background: Introductory geology and introductory calculus, or consent of instructor.

## DEPARTMENT OF ECOLOGY AND EVOLUTIONARY BIOLOGY

### (278) (EEB) Ecology and Evolutionary Biology

ADD NEW 400-LEVEL COURSES FOR GRADUATE CREDIT

#### EEB 462 Paleoeecology

3 Credit Hours An introduction to ecological function in deep time. The course develops an integrative geological and organismic framework for understanding the ecological drivers of biodiversity change through time.

~~(DE) Prerequisite(s): Biology 102 or Biology 111 or Biology 130 or Geology 102 or permission of instructor.~~

Registration Permission: Consent of instructor. Omitted Prerequisites. Added: Registration Permission.

#### EEB 463 Plant Ecophysiology

4 Credit Hours An introduction to fundamental principles of biophysical function in plants in relation to structure from evolutionary and ecological perspectives. Laboratory involves experimental measurements of plant structure and function, including gas-exchange, xylem hydraulics, and chlorophyll fluorescence.

Contact Hour Distribution: 3 hours and 1 lab.

~~(DE) Prerequisite(s): Chemistry 100 or Chemistry 110 or Chemistry 120; Biology 102 or Biology 111 or Biology 130 or permission of instructor.~~

Registration Permission: Consent of instructor. Omitted Prerequisites. Added: Registration Permission.

#### EEB 473 Herpetology

3 Credit Hours Classification, evolution, ecology, biogeography, and anatomy of amphibians and reptiles.

Contact hour distribution: 3 hours lecture and 1 lab

~~(DE) Prerequisite(s): Biology 240.~~

## DEPARTMENT OF ENGLISH

### (339) (ENGL) English

ADD NEW 400-LEVEL COURSE FOR GRADUATE CREDIT

#### ENGL 444 Appalachian Literature and Culture

3 Credit Hours Appalachian literature in the context of parallel developments in art, music, and cultural history.

~~(DE) Prerequisite(s): 102 or 118.~~

REVISE TITLE AND DESCRIPTION

#### ENGL 505 Composition Pedagogy

3 Credit Hours Introduction to teaching composition through study of various pedagogical theories and methods. Enrollment limited to English Department GAs/GTAs or by permission of the instructor.

#### ENGL 585 Issues in Rhetoric, Writing, and Linguistics

3 Credit Hours Survey of contemporary research in rhetoric, writing, and linguistics.

#### ENGL 586 History of Rhetoric

3 Credit Hours Survey of rhetoric from Greek Classical period to modern era.

#### ENGL 588 Special Topics in History of Rhetoric, Writing, and Linguistics

3 Credit Hours Topics vary.

REVISE DESCRIPTION

#### ENGL 589 Special Topics in Language

3 Credit Hours Topics vary. Readings in language, linguistics, and literacy.

Repeatability: May be repeated with consent of director of graduate studies. Maximum 6 hours.

REVISE TITLE, DESCRIPTION, AND REPEATABILITY

#### ENGL 680 Advanced Studies in Rhetoric, Writing, and Linguistics

3 Credit Hours Topics vary.

Repeatability: May be repeated with consent of director of graduate studies. Maximum 6 hours.

#### ENGL 682 Research Methods in Rhetoric, Writing, and Linguistics

3 Credit Hours Overview of research design and methods.

Repeatability: May be repeated with consent of director of graduate studies. Maximum 6 hours.

## DEPARTMENT OF GEOGRAPHY

### (415) (GEOG) Geography

REVISE DESCRIPTION, CONTACT HOUR DISTRIBUTION, AND RECOMMENDED BACKGROUND (SECONDARY COURSE)

#### **GEOG 450 Process Geomorphology**

3 Credit Hours Integrative approach to understanding processes that shape the Earth's surface. Topics include processes and landforms produced by weathering, mass wasting, running water, wind, glaciers, and seas. Field and laboratory exercises include mapping, taking measurements, physical modeling, numerical calculations, and interpretation. *Cross-listed: (Same as Geography 450.)*

## INTERDISCIPLINARY

### (023) (AFST) Africana Studies

REVISE TITLE OF SECONDARY CROSS-LISTED COURSE

#### **AFST 452 The Politics of Sub-Saharan Africa**

3 Credit Hours *Cross-listed: (See Political Science 452.)*

### (257) (CLAS) Classics

ADD

#### **CLAS 573 Latin Paleography and Book Culture in the Middle Ages II**

3 Credit Hours Continuation of 572.

*(DE) Prerequisite(s): 572.*

REVISE TITLE AND DESCRIPTION AND ADD COMMENT

#### **CLAS 572 Latin Paleography and Book Culture in the Middle Ages II**

3 Credit Hours Introduction to the Latin hands used in Western Europe from the Roman through the Humanistic period. Course focuses on identifying and dating hands and on transcribing them accurately.

*Comment(s): Prior knowledge may satisfy prerequisite with consent of instructor.*

REVISE DESCRIPTION

#### **CLAS 442 Intensive Survey of the Archaeology of the Prehistoric Aegean**

3 Credit Hours Survey of archaeology and art of the Aegean from the earliest humans to the rise of the Greek polis in the 8th-century BCE. Highlights include Early Cycladic art, Minoan and Mycenaean complex societies, Thera, cultural interconnections with Egypt and the Near East, and the Trojan War.

#### **CLAS 443 Intensive Survey of the Archaeology of Greece**

3 Credit Hours Intensive Survey of the Archaeology of Greece, Survey of the archaeology and art of Greece and the Greek-speaking areas from the Orientalizing through Hellenistic periods (c. 700-30 BCE). Developments in architecture, sculpture, and vase painting seen in the context of changes in society. Archaeological evidence for daily life, economy, and political institutions.

#### **CLAS 444 Intensive Survey of the Archaeology of Etruria and Rome**

Intensive Survey of the Archaeology of Etruria and Rome, Survey of the archaeology of Italy and the Roman world from prehistoric times to the fall of the Roman Empire (1000 BCE- CE 476). Highlights are the rise and decline of Etruscan culture; the development of Roman architecture, art, and urban planning; art and architecture used for political propaganda; and Roman cosmopolitan culture during the Empire.

## DEPARTMENT OF POLITICAL SCIENCE

### (801) (POLS) Political Science

REVISE TITLE OF PRIMARY CROSS-LISTED COURSE

#### **POLS 452 The Politics of Sub-Saharan Africa**

3 Credit Hours Recent evolution and current political environment of black African nations. *Cross-listed: (Same as Africana Studies 452.)*

## **DEPARTMENT OF SOCIOLOGY**

### **(915) (SOCl) Sociology**

ADD NEW 400-LEVEL COURSES FOR GRADUATE CREDIT

#### **SOCl 410 Sociology of Culture**

3 Credit Hours Examination of the role of culture in human social life from various theoretical perspectives. Exploration of social foundations of differentiation based on lifestyle and taste.

#### **SOCl 445 Global Solutions for Global Justice**

3 Credit Hours Examines the varied aspects of globalization processes and the global problems that derive from them. A sampling of global problems is investigated through diagnosis, impacts, policy evaluation and other alternatives. Emphasis ranges from resource scarcity and pollution problems, to global economic and political inequalities, to global justice systems.

## **II: PROGRAM CHANGES**

### **DEPARTMENT OF HISTORY**

REVISE HISTORY MAJOR - PHD

Under the Doctoral Fields heading revise Group II, United States, to add the word "Gender"

United States – Colonial and Early Republic; 19<sup>th</sup> century; 20<sup>th</sup> century; Regional; Military and Foreign Relations; Social and Cultural; American Political; Gender.