

UNIVERSITY OF ILLINOIS
AT URBANA - CHAMPAIGN

EP.10.29

Office of the Provost and Vice Chancellor
for Academic Affairs

Swanlund Administration Building
601 East John Street
Champaign, IL 61820



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OFFICE OF THE SENATE

November 10, 2009

Abbas Aminmansour, Chair
Senate Committee on Educational Policy
Office of the Senate
228 English Building, MC-461

Dear Professor Aminmansour:

Enclosed is a copy of a proposal from the College of Liberal Arts and Sciences to revise the BALAS in Geography.

This proposal has been approved by the Committee on Course and Curricula, Dean's Cabinet, Executive Committee, and the Faculty of the College of Liberal Arts and Sciences. It now requires Senate review.

Sincerely,

Kristi A. Kuntz
Assistant Provost

KAK/dkk

Enclosures

c: A. Elli
C. Livingstone
S. Marshak
A. Mester
B. Rhoads
R. Watkins
D. Wilson

UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

RECEIVED
OCT 30 2009
OFFICE of the PROVOST

Office of the Dean

College of Liberal Arts and Sciences
294 Lincoln Hall
702 South Wright Street
Urbana, IL 61801-3631



October 29, 2009

Kristi Kuntz
Assistant Provost
Swanlund Administration Building
MC-304

Dear Kristi:

The Committee on Courses and Curricula on behalf of the Dean's Cabinet, Executive Committee and the Faculty of the College of Liberal Arts and Sciences, administratively approves the following:

Revision of the BALAS in Geography, College of LAS

Please address all correspondence concerning this proposal to me. This proposal is now ready for review for proposed implementation Fall 2010.

Sincerely,

Ann M. Mester
Associate Dean

enclosure

C: Professor David Wilson
Professor Bruce Rhoads
Professor Stephen Marshak

Proposal to the Senate Educational Policy Committee

PROPOSAL TITLE: Revision to the BALAS in Geography, College of Liberal Arts and Sciences

SPONSOR: David Wilson, Professor of Geography, dwilson2@illinois.edu, 220 Davenport Hall MC-150, 333-0877

COLLEGE CONTACT: Ann Mester, Associate Dean, College of Liberal Arts and Sciences, mester@illinois.edu, 294 Lincoln Hall, MC-448, 333-6622

BRIEF DESCRIPTION: 1.) Revision of Geography major to expand the selection of 100 level courses utilized in the core of the curriculum and to reflect changes in the department's offerings. Geog 105, Geog 106 and Geog 110 to the core selections were added to the course and Geog 102 is replaced by Geog 100, newly cross-listed with ATMS 100. 2.) Elimination of the Environmental Geography Concentration as one of the options in the major. 3.) Addition and deletion of several courses in the Geographic Information Science, Human Geography, and Physical Geography Concentrations of the major to reflect new and eliminated courses in the Courses Catalog

JUSTIFICATION: 1.) The Geography Department believes that Geog 105, Geog 106 and Geog 110 provide important and compelling content for all Geography majors. All three classes are survey courses whose core material and substance make them excellent foundations for the Geography major. Due to personnel changes, Geography no longer offers Geog 102, Weather and Climate. A close substitute for this course is ATMS 100 which is proposed to be cross-listed as Geog 100 to continue to provide this physical science material as a part of the Geography major. 2.) No students have elected to complete the Environmental Geography Concentration in the Geography major for at least the last six years. Students may still complete essentially the same major under the General Geography Concentration. The new interdisciplinary degree offered by the School of Earth, Society and Environment, the Earth Systems, Environment, and Society major, offers another similar degree path. 3.) Due to faculty retirements and new faculty hires, several courses listed in three of the Geography major concentrations are no longer offered. New course offerings have been developed and substituted into each option as appropriate.

BUDGETARY AND STAFF IMPLICATIONS:

a. Additional staff and dollars needed: There would be no additional staff, expenditures or dollars required to either offer these classes or include them as core offerings in the Geography

major. The number of Geography majors has been between 40 and 50 for the last several years. The proposed changes for the curriculum will not have any measurable budgetary or staff implications. Future growth in the demand for these courses is more likely to come from the new Earth Systems, Environment, and Society (ESES) major than from the Geography major.

b. Internal reallocations (e.g., change in class size, teaching loads, student-faculty ratio, etc.): There would be no internal reallocations required to either offer these classes or include them as core offerings in the Geography major.

c. Effect on course enrollment in other units and explanations of discussions with representatives of those departments: These changes should have no effects on course enrollment in other units. We have been substituting ATMS 100 for GEOG 102 on an individual case basis for the last three years.

d. Impact on the University Library: There would be no impact on the University Library to either offer these classes or include them as core offerings in the Geography major.

e. Impact on computer use, laboratory use, equipment, etc.: The only impact on computer classroom use will be if there are increases in the number of Geography majors in the future, not from these substitutions in the course requirements.

DESIRED EFFECTIVE DATE: Fall 2010.

STATEMENT FOR PROGRAMS OF STUDY CATALOG: Below is the complete revised listing for the next Programs of Study Catalog.

Geography

Head of Department: Bruce Rhoads

Department Office: 220 Davenport Hall, 607 South Mathews, Urbana, (217) 333-1880

www.geog.uiuc.edu

Students in geography must complete both the core courses in geography and one of the four concentrations in consultation with the Department of Geography Undergraduate Adviser. This major is administered by the Department of Geography.

Major in Sciences and Letters Curriculum

E-mail: geograph@illinois.edu

Degree title: Bachelor of Arts in Liberal Arts and Sciences

Minimum required major and supporting course work normally equates to 42-57 hours including at least 40 hours of Geography courses.

General education: The **LAS General Education** requirements are set up so students automatically complete the Campus General Education requirements.

Minimum hours required for graduation: 120 hours

Departmental distinction. All students majoring in geography who have maintained a University grade point average of 3.25 and who satisfactorily complete an independent project (GEOG 391) in their senior year will be eligible to graduate with distinction in geography. Students should consult their advisers about distinction requirements as soon as they enter the major (no later than the end of their junior year).

Students must complete the core requirements listed below and select one concentration in consultation with an academic advisor.

Geography Core

| Hours | Requirements |
|-------|---|
| 3-4 | Select one of the following two courses ¹ : ATMS 100–Introduction to Meteorology (same as GEOG 100) GEOG 103–Earth’s Physical Systems |
| 6-7 | Select two of the following five courses: GEOG 101–Geog of Developing Countries GEOG 104–Social and Cultural Geography GEOG 105–The Digital Earth GEOG 106–Geographies of Globalization GEOG 110–Geography of Intl Conflicts |
| 4 | GEOG 371–Spatial Analysis |
| 13-15 | Required total core hours |

1. Students in the Physical Geography Concentration may choose to complete both GEOG 100 and 103 and one of the five courses: GEOG 101, 104, 105, 106 and 110. GEOG 371 must also be taken..

For all concentrations: Students are strongly encouraged to elect GEOG 473. Students are encouraged to elect techniques courses as part of their programs: GEOG 280, 373, 379, 390, 470, 473, 476, 477, 478, or 479.

General Geography Concentration

| Hours | Requirements |
|-------|--|
| 25-27 | Geography courses, selected from 200- to 400-level courses, of which 6 hours must be at the 300 or 400 level |
| 12 | Supporting courses selected with the approval of the Department of Geography undergraduate adviser |

Geographic Information Science Concentration

| Hours | Requirements |
|-------|--|
| 3 | SOC 280–Intro to Social Statistics (same as GEOG 280) |
| 3 | GEOG 379–Introduction to GIS |
| 4 | GEOG 473–Map Compilation and Construct |
| 3 | GEOG 477–Introduction to Remote Sensing |
| 3 | GEOG 479–Advanced Geog Info Systems |
| 9-11 | Select a minimum of three courses from the following: GEOG 205–Business Location Decisions PATH 439–Health Applications of GIS (same as GEOG 439) GEOG 460–Anal & Interp Aerial Photo GEOG 468–Biological Modeling |

| | |
|----|--|
| | GEOG 469–Spatial Ecosystem Modeling |
| | GEOG 470–Intro Quant Methods in Geog |
| | GEOG 476–Applied GIS to Environ Studies |
| | GEOG 478–Techniques of Remote Sensing |
| | GEOG 480 – Principles of GIS |
| | GEOG 489–Programming for GIS |
| 12 | Supporting courses selected with the approval of the Department of Geography undergraduate adviser. The Geography Department recommends that electives among offerings in computer science and math be chosen in consultation with the advisor |

Human Geography Concentration

| Hours | Requirements |
|--------------|---|
| <u>25-27</u> | 200-to 400-level Geography courses (of which at least 6 hours must be at the 300 or 400 level) selected from the following: |
| | GEOG 204–Cities of the World |
| | GEOG 205–Business Location Decisions |
| | GEOG 210–Contemp Social & Env Problems |
| | GEOG 214–Conserv Natural Resources |
| | GEOG 224–Geog Patterns of Illinois |
| | GEOG 310–Political Geography |
| | GEOG 373–Spring Field Course |
| | GEOG 379–Introduction to GIS |
| | GEOG 381–Environmental Perspectives |
| | GEOG 384–Population Geography |
| | GEOG 390–Individual Study |
| | GEOG 391–Honors Individual Study |
| | GEOG 394–Special Topics Social Geog |
| | GEOG 410–Geography of Dev and Underdev |
| | ATMS 421–Earth Systems Modeling (same as GEOG 421) |
| | LA 427–Amer Vernacular Cultural Land (same as GEOG 427) |
| | GEOG 438–Geography of Health Care |
| | PATH 439–Health Applications of GIS (same as GEOG 439) |
| | UP 446–Sustainable Planning Seminar (same as GEOG 446) |
| | GEOG 455–Geog of Sub-Saharan Africa |
| | GEOG 465–Trans Systems and Spatial Dev |
| | GEOG 466–Environmental Policy |
| | GEOG 467–Dynam Simul of Nat Res Problems |
| | GEOG 468–Biological Modeling |
| | GEOG 469–Spatial Ecosystem Modeling |
| | GEOG 470–Intro Quant Methods in Geog |
| | GEOG 471–Recent Trends in Geog Thought |

| | |
|----|--|
| | GEOG 473–Map Compilation and Construct |
| | GEOG 476–Applied GIS to Environ Studies |
| | GEOG 477–Introduction to Remote Sensing |
| | GEOG 478–Techniques of Remote Sensing |
| | GEOG 479–Advanced Geog Info Systems |
| | GEOG 483–Urban Geography |
| 12 | Supporting courses selected with approval of the Department of Geography Undergraduate Adviser |

Physical Geography Concentration

| Hours | Requirements |
|-------|--|
| 25-27 | 200- to 400-level Geography courses (of which at least 6 hours must be at the 300 or 400 level) selected from the following: |
| | GEOG 210–Contemp Social & Env Problems |
| | GEOG 214–Conserv Natural Resources |
| | GEOG 222–Big Rivers of the World |
| | GEOG 373–Spring Field Course |
| | GEOG 379–Introduction to GIS |
| | GEOG 381–Environmental Perspectives |
| | GEOG 390–Individual Study |
| | GEOG 391–Honors Individual Study |
| | NRES 401–Watershed Hydrology (same as GEOG 401) |
| | GEOG 406–Fluvial Geomorphology |
| | GEOG 408–Watershed Analysis |
| | ATMS 421–Earth Systems Modeling (same as GEOG 421) |
| | GEOG 460–Anal & Interp Aerial Photo |
| | GEOG 467–Dyrm Simul of Nat Res Problems |
| | GEOG 468–Biological Modeling |
| | GEOG 469–Spatial Ecosystem Modeling |
| | GEOG 470–Intro Quant Methods in Geog |
| | GEOG 471–Recent Trends in Geog Thought |
| | GEOG 473–Map Compilation and Construct |
| | GEOG 476–Applied GIS to Environ Studies |
| | GEOG 477–Introduction to Remote Sensing |
| | GEOG 478–Techniques of Remote Sensing |
| | GEOG 479–Advanced Geog Info Systems |
| | GEOG 480 – Principles of GIS |
| 12-14 | All students taking this concentration must take the following courses: |
| | MATH 220–Calculus or MATH 221–Calculus I |
| | Select one of the following: |
| | PHYS 101–College Physics, Mech & Heat |
| | or |
| | PHYS 211–Univ Physics, Mechanics |

| | |
|--|-----------------------------------|
| | Select one of the following: |
| | CHEM 102–General Chemistry I and |
| | CHEM 103–General Chemistry Lab I |
| | or |
| | CHEM 104–General Chemistry II and |
| | CHEM 105–General Chemistry Lab II |

For All Concentrations

Twelve hours of 300- and 400-level courses in the major must be taken on this campus.

All foreign language requirements must be satisfied.

A Major Plan of Study Form must be completed and submitted to the LAS Student Affairs Office before the end of the fifth semester (60-75 hours). Please see your adviser.

CLEARANCES:

Signatures:

Unit Representative:

Date:

School Representative:

Date:

College Representative:

Date:

Provost Representative:

Date:

Educational Policy Committee Representative:

Date: