

**Fiscal Unit/Academic Org** Geography - D0733  
**Administering College/Academic Group** Social And Behavioral Sciences  
**Co-administering College/Academic Group**  
**Semester Conversion Designation** Converted with minimal changes to program goals and/or curricular requirements (e.g., sub-plan/specialization name changes, changes in electives and/or prerequisites, minimal changes in overall structure of program, minimal or no changes in program goals or content)  
**Current Program/Plan Name** Geography  
**Proposed Program/Plan Name** Geography - GEOG BA  
**Program/Plan Code Abbreviation** GEOG-BA  
**Current Degree Title** Bachelor of Arts

**Credit Hour Explanation**

Program credit hour requirements		A) Number of credit hours in current program (Quarter credit hours)	B) Calculated result for 2/3rds of current (Semester credit hours)	C) Number of credit hours required for proposed program (Semester credit hours)	D) Change in credit hours
Total minimum credit hours required for completion of program		50	33.3	33	0.3
Required credit hours offered by the unit	Minimum	50	33.3	33	0.3
	Maximum	50	33.3	34	0.7
Required credit hours offered outside of the unit	Minimum				
	Maximum				
Required prerequisite credit hours not included above	Minimum				
	Maximum				

**Program Learning Goals**

Note: these are required for all undergraduate degree programs and majors now, and will be required for all graduate and professional degree programs in 2012. Nonetheless, all programs are encouraged to complete these now.

- Program Learning Goals**
- Students acquire fundamental concepts of geography
  - Students achieve familiarity with methods used in geography
  - Students can communicate geographical concepts and methods orally, visually, and/or in writing
  - Students apply geographical concepts and methods in experiential settings, including internships, field work, study abroad, research, and through international experience.

**Assessment**

Assessment plan includes student learning goals, how those goals are evaluated, and how the information collected is used to improve student learning. An assessment plan is required for undergraduate majors and degrees. Graduate and professional degree programs are encouraged to complete this now, but will not be required to do so until 2012.

**Is this a degree program (undergraduate, graduate, or professional) or major proposal? Yes**

**Does the degree program or major have an assessment plan on file with the university Office of Academic Affairs? Yes**

**Summarize how the program's current quarter-based assessment practices will be modified, if necessary, to fit the semester calendar.**

For our assessment, we use a variety of direct and indirect methods, none of which depend upon whether the program is run under quarters or semesters. As a result, we do not anticipate any changes to our assessment practices under the semester system.

## Program Specializations/Sub-Plans

If you do not specify a program specialization/sub-plan it will be assumed you are submitting this program for all program specializations/sub-plans.

**Program Specialization/Sub-Plan Name** Environment and Society (Existing)  
**Program Specialization/Sub-Plan Goals**

## Pre-Major

Does this Program have a Pre-Major? No

## Attachments

- Attachment 3\_Undergrad ES\_110210.docx: Attachment 3  
*(Curricular Map(s). Owner: Pernik, Juliana Christine)*
- Attachment 2\_Undergrad ES\_111510.docx: Attachment 2  
*(Program Rationale Statement. Owner: Pernik, Juliana Christine)*
- Division Cover Letter for Geography.doc: Attachment 1  
*(Letter from the College to OAA. Owner: Mumy, Gene Elwood)*

## Comments

- G. Mumy wishes to see this program again; program was sent to ASCCAO too soon. See G. Mumy for contingency request from Sciences CCI Subcommittee. *(by Vankeerbergen, Bernadette Chantal on 11/12/2010 01:07 PM)*

## Workflow Information

Status	User(s)	Date/Time	Step
Submitted	Pernik, Juliana Christine	09/30/2010 03:11 PM	Submitted for Approval
Revision Requested	Mansfield, Becky Kate	09/30/2010 03:24 PM	Unit Approval
Submitted	Pernik, Juliana Christine	09/30/2010 04:06 PM	Submitted for Approval
Approved	Mansfield, Becky Kate	09/30/2010 04:11 PM	Unit Approval
Revision Requested	Mumy, Gene Elwood	10/14/2010 12:02 PM	College Approval
Submitted	Pernik, Juliana Christine	11/02/2010 11:34 AM	Submitted for Approval
Approved	Mansfield, Becky Kate	11/02/2010 12:46 PM	Unit Approval
Approved	Vanarsdale, Sonya Renee	11/02/2010 02:36 PM	College Approval
Revision Requested	Vankeerbergen, Bernadette Chantal	11/12/2010 01:07 PM	ASCCAO Approval
Submitted	Pernik, Juliana Christine	11/15/2010 02:43 PM	Submitted for Approval
Approved	Mansfield, Becky Kate	11/15/2010 04:35 PM	Unit Approval
Approved	Mumy, Gene Elwood	11/15/2010 05:16 PM	College Approval
Pending Approval	Hanlin, Deborah Kay Vankeerbergen, Bernadette Chantal Meyers, Catherine Anne Jenkins, Mary Ellen Bigler Nolen, Dawn	11/15/2010 05:16 PM	ASCCAO Approval



College of Arts and Sciences

186 University Hall  
230 North Oval Mall  
Columbus, OH 43210

Phone (614) 292-1667  
Fax (614) 292-8666

Web [artsandsciences.osu.edu](http://artsandsciences.osu.edu)

November 10,

Professor Larry Krissek  
Chair, Arts and Sciences CCI

Dear Professor Krissek:

At the undergraduate level the Department of Geography has six major programs:

1. Environment and Society (BA)
2. Climatology and Physical Geography Specialization (BS)
3. Spatial Analysis (BS)
4. Urban, Regional and Global Studies (BA)
5. Geographic Information Science (BS) Tagged Major, pending
6. Atmospheric Science (BS) Tagged Major, pending

Atmospheric Science and Geographic Information Science are new degrees approved early this year at the University level but have not yet been given final approval by the Board of Regents. We are fairly confident that they will receive BOR approval and Geography has presented semester transition plans with only minor changes except for a reduction of sequences in the GIS major to eliminate possible transition programs in sequenced courses.

At the time the new degrees were being developed Geography also revised the entire Geography major and its specializations. These revisions were also approved by CAA early this year so the semester conversion plans contain minimal changes.

These conversion plans were reviewed by me and the Social Sciences Disciplinary Advisory Panel (SS DAP). The SS DAP and I support Geography's conversion plans and submit them to you for CCI's consideration.

Sincerely,

A handwritten signature in black ink that reads "Gene E. Mummy".

Gene E. Mummy  
Associate Dean of Arts and Sciences/Social and Behavioral Sciences

## Undergrad ES Semester Proposal – Attachment 2

To: OAA

Date: 6/14/2010

### Cover Letter for Proposals from the Department of Geography

This is the transmittal cover letter to the Office of Academic Affairs that reflects the efforts by the Department of Geography under Quarter to Semester Conversion.

The department used a series of committee and special purpose task forces to review programs and courses. Having recently proposed substantial revisions to our majors, we were in relatively good position to begin the Q to S process.

There has been a tremendous effort to accomplish these planned changes, with commendable input from Professor Becky Mansfield (Undergraduate), Jay Hobgood (Atmospheric Science), and Darla Munroe (Graduate). The graduate level documents are still being finalized.

The department recommends approval of these changes, which by and large are converted with minimal changes to program goals and/or curricular requirements at the undergraduate level. A recently approved set of revisions to the Majors has been incorporated into our planned semester version. *[There are minimal name changes, changes in electives and/or prerequisites, minimal changes in overall structure of program, minimal or no changes in program goals or content.]*

The graduate courses are minimally changed, but there is expected to be a complete re-write of our graduate manual to organize these classes in a way that conveys greater advisor flexibility. The department will seek appropriate approval for any substantive track or programs changes built around our existing graduate courses.

#### The following are the programs in the department:

- a. Undergraduate bachelors degree programs and/or majors
  - 1. Environment and Society (BA)
  - 2. Climatology and Physical Geography Specialization (BS)
  - 3. Spatial Analysis (BS)
  - 4. Urban, Regional and Global Studies (BA)
  - 5. Geographic Information Science (BS) Tagged Major, pending
  - 6. Atmospheric Science (BS) Tagged Major, pending
  
- b. Undergraduate minors

A minor in geography is available to any Arts and Sciences student who is not already majoring in geography.

## Undergrad ES Semester Proposal – Attachment 2

The omission of a matching minor for the two new majors (5-6 above) was a technical oversight and we plan to correct this once the majors themselves are approved. Even without that correction, a student wishing to minor in areas related to atmospheric science or geographic information science has similar options in cognate fields (items 2 & 3: Climatology and Physical Geography Specialization (BS) and Spatial Analysis (BS) respectively).

### c. Undergraduate associate degree programs

n/a

### d. Graduate degree programs

1. M.A. in Geography
2. Ph.D. in Geography
3. M.S. in Atmospheric Science
4. Ph.D. in Atmospheric Science

### e. Graduate minors

n/a

### f. Graduate certificate programs

n/a

### g. Graduate interdisciplinary specializations

Graduate Interdisciplinary Specialization in Geo-Spatial Data Analysis.

Since the interdisciplinary specialization requires elements from many other degree programs, we plan to finalize these syllabi and arrangements after the initial round of graduate degree courses has been screened.

### h. Professional degree programs

n/a

### i. Combined programs (e.g., BS/MS, Ph.D./ MD)

n/a

Undergrad ES Semester Proposal – Attachment 2

For the record, no programs are being withdrawn. The details in the balance of the template are incorporated by reference, and are being revised to ensure technical compliance with the templates.

Thank you for attention to these proposals

Morton O'Kelly  
Professor & Chair  
Department of Geography

### **Program Rationale Statement**

The Geography major (all four specializations) was last revised in 2010 (approved in January), with implementation in spring term. Proposed in autumn 2008, this extensive revision was the result of extensive consultation with faculty and students, and responds to suggestions from an external review in 2006.

Because we are only now implementing this revised program, very few changes are being made to the curriculum for semesters. For the Environment & Society specialization, we added an additional course to the required core (a choice of methods courses) and slightly revised the lists for methods and human geography electives.

**List of semester courses in the program**

Segment of Major Program	Semester #	Semester course name	Units
<b>Required Prerequisites or Supplements to the Major</b>	None		
<b>Required courses (9 hours)</b>			
	3800	Geographical Perspectives on Environment and Society	3
	4101	Undergraduate Research and Professionalization Seminar	3
	4100 OR 5100	Geographic Inquiry OR Quantitative Geographical Methods	3
<b>Electives (complete ALL categories)</b>			
<b>1. Choose three of the following Physical Geography courses (9 or 10 hours)</b>			
	2800 OR 2960	Physical Geography and Environmental Issues <b>OR</b> Introduction to Physical Geography	3 or 4
	3980	Biogeography: An Introduction to Life on Earth	3
	3900 OR 3901H OR 5900 OR 3882	Global Climate Change: Causes and Consequences OR Global Climate and Environmental Change OR Climatology OR Integrated Earth Systems: Confronting Global Change	3
<b>2. Choose of three of the following Human Geography courses (9 hours)</b>			
	3702	Life and Death Geographies: Global Population Dynamics	3
	3883	Environmental Citizenship	3
	5402	Land Use Geography	3
	5700	Geography of Development	3
	5751	New Worlds of Latin America	3
	5801	Environmental Conservation	3
	5802	Globalization and Environment	3
<b>3. Choose two of the following Methods courses (6 hours)</b>			
	5100	Quantitative Geographical Methods	3
	5200	Elements of Cartography	3
	5201	Computer Cartography and Geographical Visualization	3
	5220	Fundamentals of Geographic Information Systems	3
	5221	Spatial Simulation and Modeling in GIS	3
	5222	GIS Applications in Social Science and Business	3
	5223	Design and Implementation of GIS	3
	5270	Geographical Applications of Remote Sensing	3



Undergrad ES Semester Proposal – Attachment 2

<b>Environment and Society Advising Sheet SEMESTERS</b>			
<b>Segment of Major Program</b>	<b>Course name</b>	<b>Credits</b>	<b>Grade</b>
<b>Required Prerequisites or Supplements to the Major</b>			
NONE			
<b>Required courses (9 hours)</b>			
3800	Geographical Perspectives on Environment and Society	3	
4101	Undergraduate Research and Professionalization Seminar	3	
4100 OR 5100	Geographic Inquiry OR Quantitative Geographical Methods	3	
<b>Electives (complete all categories)</b>			
<b>1. Choose three of the following Physical Geography courses (9 or 10 hours)</b>			
2800 OR 2960	Physical Geography and Environmental Issues <b>OR</b> Introduction to Physical Geography	3 or 4	
3980	Biogeography: An Introduction to Life on Earth	3	
3900 OR 3901H OR 5900 OR 3882	Global Climate Change: Causes and Consequences <b>OR</b> Global Climate and Environmental Change <b>OR</b> Climatology <b>OR</b> Integrated Earth Systems: Confronting Global Change	3	
<b>2. Choose of three of the following Human Geography courses (9 hours)</b>			
3702	Life and Death Geographies: Global Population Dynamics	3	
3883	Environmental Citizenship	3	
5402	Land Use Geography	3	
5700	Geography of Development	3	
5751	New Worlds of Latin America	3	
5801	Environmental Conservation	3	
5802	Globalization and Environment	3	
<b>3. Choose two of the following Methods courses (6 hours)</b>			
5100	Quantitative Geographical Methods	3	
5200	Elements of Cartography	3	
5201	Computer Cartography and Geographical Visualization	3	
5220	Fundamentals of Geographic Information Systems	3	
5221	Spatial Simulation and Modeling in GIS	3	
5222	GIS Applications in Social Science and Business	3	
5223	Design and Implementation of GIS	3	
5270	Geographical Applications of Remote Sensing	3	
	<b>Total Program Hours</b>		
	<b>Minimum Program Hours</b>	33 or 34	
Advisor Signature and Date:			
Name:			
Major/Specialization:			
Campus ID:			

**Semester Advising Sheet**

## Quarter Advising Sheet

<b>Environment and Society Advising Sheet QUARTERS</b>			
<b>Segment of Major Program and Course Number</b>	<b>Quarter course name</b>	<b>Credit hours</b>	<b>Grade</b>
<b>Required Prerequisites or Supplements to the Major</b>			
NONE			
<b>Required courses</b>			
430	Geographical Perspectives on Environment and Society 430	5	
695	Undergraduate Research and Professionalization Seminar 695	5	
<b>Electives (complete all categories)</b>			
<b>1. Choose three of the following Physical Geography courses</b>			
210 or 220	Physical Geography and Environmental Issues 210 OR Introduction to Physical Geography 220	5	
490	Biogeography: An Introduction to Life on Earth 490	5	
H410 or 420 or 520 or 597.02	Global Climate and Environmental Change H410 OR Global Climate Change: Causes and Consequences 420 OR Climatology 520 OR Integrated Earth Systems: Confronting Global Change 597.02	5	
<b>2. Choose of three of the following Human Geography courses</b>			
470	Life and Death Geographies: Global Population Dynamics 470	5	
505	Geography of Latin America 505	5	
605	New Worlds of Latin America 605	5	
630	Environmental Conservation 630	5	
635	Globalization and Environment 635	5	
642	Geography of Development 642	5	
655	Land Use Geography 655	5	
<b>3. Choose two of the following Methods courses:</b>			
480	Map Reading and Interpretation 480	5	
580	Elements of Cartography 580	5	
607	Fundamentals of Geographic Information Systems 607	5	
680	Computer Cartography and Geographical Visualization 680	5	
683	Quantitative Geographical Methods 683	5	
685	Intermediate Geographic Information Systems 685	5	
	<b>Total Program Hours</b>		
	<b>Minimum Program Hours</b>		
<b>Advisor Signature and Date:</b>			
<b>Name:</b>			
<b>Major/Specialization:</b>			
<b>Campus ID:</b>			

**Transition policy:**

Students who began their degree under quarters will not be penalized as we move to semesters, either in terms of progress towards their degree or their expected date of graduation. The sequence of classes in the major is largely very flexible. We do not see the need for any bridge courses in Geography.

**Curriculum map, indicating how program goals are accomplished via specific courses**

	KEY:	1=Beg.	2=Int.	3=Adv.
	Learning outcome A	Learning outcome B	Learning outcome C	Learning outcome D
<b>Required Prerequisites or Supplements to the Major</b>				
NONE				
<b>Required courses</b>				
3800	2	1	1	2
4101		3	3	3
4100 OR 5100	2, 3	2, 3	3	
<b>Electives in Geography</b>				
<b>Physical Geography courses</b>				
2800 OR 2960	1	1	1	1
3980	2	2	2	2
3900 OR 3901H OR 5900 OR 3882	2	2	2, 3	
<b>Human Geography courses</b>				
3702	2	2	2	
3883	2	1	2	2
5402	3	2	2	
5700	3		2	2
5751	3		2	3
5801	3		2	
5802	3		2	2
<b>Methods courses</b>				
5100	2	2		
5200	1	1	2	1
5201	2	2	3	
5220	1	1		
5221		2	2	3
5222		2	2	3
5223	3	2		3
5270	2	2		2

Learning Outcome A: Students acquire fundamental concepts of geography

Learning Outcome B: Students achieve familiarity with methods used in geography

Learning Outcome C: Students can communicate geographical concepts and methods orally, visually, and/or in writing

Learning Outcome D: Students apply geographical concepts and methods in experiential settings, including internships, field work, study abroad, research, and through international experience.