

## PROPOSAL TO ADD A NEW MINOR IN GEOGRAPHY

1. Add the following **Minor in Geography**:

### **Geography Minor**

GEOG 100	Physical Geography	3
GEOG 100L	Physical Geography Lab	1
GEOG 165	Human Geography	3
GEOG 200	World Regional Geography	3
GEOG 385	GIS Primer	3

Select two electives from the following categories: 6

#### Human Geography:

GEOG 260	Introduction to Geopolitics
GEOG 330	Urban Geography
GEOG 345	Global Economic Geography
GEOG 350	Geography of Development
GEOG 360	Population Dynamics and Distribution
GEOG 365	Political Geography

#### Physical Geography:

GEOG 301	Meteorology
GEOG 313	Global Climate Change
GEOG 317	Tree Rings and Environmental Change
GEOG 401	Climatology
GEOG 410	Biogeography
GEOG 430	Climate Change Ecology
GEOL 335	Geomorphology

#### Human-Environment Geography:

GEOG 420	Land, Resources, and Environment
GEOG 435	Climate Change Mitigation
GEOG 455	Societal Resilience and Adaptation to Climate Change
GEOG 488	Geography of Energy Systems

#### Geospatial Methods:

GEOG 390	Cartographic Design and Geovisualization
GEOG 407	Spatial Statistics and Modeling
GEOG 414	Socioeconomic Applications of GIS

GEOG 424	Hydrologic Applications of GIS and Remote Sensing
GEOG 475	Intermediate GIS
GEOG 479	GIS Programming
GEOG 483	Remote Sensing/GIS Integration
Other Geography electives as approved by the department	

**Total Hours****19****Courses to total 19 credits for this minor**

**Rationale:** In recent years there have been many requests for a geography minor generated by students in lower division geography courses and some specialized upper division courses. By instituting a minor in geography, the department is increasing department enrollments and offer undergraduate students greater flexibility in choosing major options. Through this action, the geography department is coming into line with other major geography departments across the country as well as many other departments at the University of Idaho.

A minor in Geography will provide undergraduates with an introduction to the discipline of the four primary branches of Geography: Physical Geography; Human Geography; human-environment interaction, and geospatial methods. The minor is designed to supplement geographical content useful to other majors but not taught in those other majors. A Geography minor will allow a student to broaden his or her educational background and enhance academic and employment options in various fields of study. Students must complete 19 credits for the Geography minor, of which at least 9 of the 19 credits must be UI courses taken in residence. The Geography minor will enhance the knowledge of students currently enrolled in other majors in both the social and life sciences.



PROGRAM COMPONENT (Group B) OR NON-SUBSTANTIVE REQUEST FORM

(Fill out this form if you have a program component change as defined by Board Policy III.G.d.)

SELECT THE BOX OR BOXES THAT DESCRIBE YOUR REQUEST:

Table with 4 columns and 6 rows for selecting request types. Row 1: 1. New component (option, minor, emphasis, concentration or specialization) [X] 5. Discontinuation of a certificate (30 credits or less)

REQUIRED INFORMATION FOR ALL SELECTIONS:

Form with fields for Dept Chair Name (Raymond Dezzani), Department/Unit (Geography), College (College of Science), Current Program Name (Graduate/Undergraduate), Primary Point of Contact, Briefly describe the change (Adding a Geography Minor to the Catalog), CIP Code, Financial impact, and Describe the financial impact.

Implementation/effective date of change or new component:	Catalog 2020		
Can 50% or more of the curricular requirements of this program be completed via online or distance delivery?	Yes	X	No
If yes can 100% of the curricular requirements of this program be completed via online or distance delivery?	Yes	X	No
Please write the geographical location that this program will be offered:	Moscow Campus		

**NEW PROGRAM COMPONENTS AND CERTIFICATES – FILL OUT THIS SECTION IF YOU SELECTED #1 OR #2 ABOVE**

Name of new component or certificate:	Geography Minor
Number of credits:	19 Credits
Describe proposed new program component or certificate to include overview of program and credit requirements:	<p>Requirements are a total of 19 credits for a Geography minor (13 credits of required courses &amp; 6 credits elective):</p> <p><b><u>Required 13 credits and Geography course number:</u></b></p> <p>Geography 100 (3 credits)  Geography 100 Lab (1 credit)  Geography 165 (3 credits)  Geography 200 (3 credits)  Geography 385 (3 credits)</p> <p><b>Two additional elective courses:  (total of 6 elective credit hours)</b></p> <p><u>Human Geography electives:</u>  Introduction to Geopolitics 260; Urban Geography 330; Global Economic Geography 345; Geography of Development 350; Population Dynamics and Distribution 360; Political Geography 365;</p> <p><u>Physical Geography electives:</u>  Meteorology 301; Climatology 401; Global Climate Change 313; Dendrochronology 315; Biogeography 410; Global Change Ecology 430; Geomorphology GEOL 335.</p> <p><u>Human-environment geography electives:</u></p>

	<p>Land Resources, and Environment 420; Climate Change Mitigation 435.; Societal Resilience and Adaptation to Climate Change 455; Geography of Energy Systems 488.</p> <p><u>Geospatial methods electives:</u>                  Cartography &amp; Geovisualization 390; Spatial Analysis and Modeling 407; Hydrologic Applications of GIS and Remote Sensing 424; Intermediate GIS 475; GIS Programming 479; Remote Sensing/GIS 483; Socioeconomic Applications of GIS 412.</p> <p>** Or other Geography courses as approved by the department **</p>		
Are there curriculum changes needed and/or do new courses need to be created:	Yes – if you select yes to this question, please attach all curriculum and course documents related to this.	X	No
List the intended learning outcomes for the program component. Use learner centered statements that indicate what will students know, be able to do, and value or appreciate as a result of completing the program:			
<p>In recent years there have been many requests for a geography minor generated by students in lower division geography courses and some specialized upper division courses. By instituting a minor in geography, the department is increasing department enrollments and offer undergraduate students greater flexibility in choosing major options. Through this action, the geography department is coming into line with other major geography departments across the country as well as many other departments at the University of Idaho.</p> <p>A minor in Geography will provide undergraduates with an introduction to the discipline of the four primary branches of Geography: Physical Geography; Human Geography; human-environment interaction, and geospatial methods. The minor is designed to supplement geographical content useful to other majors but not taught in those other majors. A Geography minor will allow a student to broaden his or her educational background and enhance academic and employment options in various fields of study. Students must complete 19 credits for the Geography minor, of which at least 9 of the 19 credits must be UI courses taken in residence. The Geography minor will enhance the knowledge of students currently enrolled in other majors in both the social and life sciences.</p>			
Describe the assessment process that will be used to evaluate how well students are achieving the intended learning outcomes of the program component:			
Evaluation will occur during normal course evaluation through examination, research papers, presentations.			
How will you ensure that the assessment findings will be used to improve the program?			
Consistent with current evaluation and assessment procedures. Increased student enrollments are expected.			
What direct and indirect measures will be used to assess student learning?			

Consistent with current evaluation and assessment procedures.
When will assessment activities occur and at what frequency?
Assessment will occur as courses are offered and at the end of each semester and at the end of the academic year.


**MODIFICATIONS/NAME CHANGES/CIP CODE CHANGES – FILL OUT THIS SECTION IF YOU SELECTED #3 OR #6 ABOVE**

Current name of component or degree:			
New name of component or degree:			
Number of credits:			
Describe the modification are you making:			
Name of major or degree that the component is attached to:			
Describe rationale for the modification:			
Indicate whether program, curriculum, course and admission requirements remain the same.		Yes – if you select yes to this question, please attach all curriculum and course documents related to this.	No
Are any of the learning outcomes changing:		Yes – if yes fill out question below	No
List the new learning outcomes:	1. 2. 3. 4. 5.		

**DISCONTINUATION – FILL OUT THIS SECTION IF YOU SELECTED #4 OR #5 ABOVE**

What are you requesting to discontinue:			
What is the student impact if any?			
Are there curriculum changes needed and/or do new courses need to be created:		Yes – if you select yes to this question, please attach all curriculum and course documents related to this.	No

**SIGNATURES – REQUIRED FOR ALL SELECTIONS:**

Dept/Unit Curriculum Committee Approval Date:	Geography Faculty Meeting	Vote Record:	January 30,2019 9 Votes in favor, 1 abstained
Dept Chair Signature of Approval			
College Curriculum Committee Approval Date:	9 / 25 / 2019	Vote Record:	7 approve, 0 oppose
Dean Signature of Approval	Mark J. Nielsen		

## Assessment Justification for Geography Minor Proposal

The basis of assessment in the Geography B.S. degree

As per the specification of the Assessment Plan for Geography – B.S. Degree, there are five major learning outcomes:

- 1) The student will be able to use geographic information systems (GIS) and be able to use cartographic data and analysis at a high/professional level.
- 2) The student will be able to use statistical methods and analyze quantitative information.
- 3) The student will be able to perform policy analysis using geographical arguments and inform policy.
- 4) The student will exhibit the ability to write and verbally communicate geographic information.
- 5) The student will exhibit knowledge of human and physical geography and human and environmental process in geographic space.

The course requirements and electives of the B.S. degree, successfully completed, ensure the satisfaction of the specified learning outcomes.

The geography minor, with its reduced requirements and electives will satisfy the following learning outcomes:

- 1) The student will be able to use geographic information systems (GIS) *at an elementary level* and be able *to interpret* cartographic data. Analytical skills will be limited.
- 2) The student will exhibit the ability to write and verbally communicate geographic information.
- 3) The student will exhibit *basic* knowledge of human and physical geography and human and environmental process in geographic space.

Student assessment, as with the major, will be based on successful completion of coursework that involves the writing of essays and semester papers, taking quizzes and exams and the completion of exercises and lab tasks.