65-UPCh.: Revised 2/12/2015

FORMAT 5

Submit originals and one copy and electronic copy to Governance/Faculty Senate Office (email electronic copy to jbharvie@alaska.edu)

PROGRAM/DEGREE REQUIREMENT CHANGE (MAJOR)

SUBMITTED BY: Department Geosciences College/School CNSM Prepared by Cary de Wit Phone 474-7141 Email cwdewit@alaska.edu Faculty Cary de Wit

See http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-degree-procedures-/ for a complete description of the rules governing curriculum & course changes.

Contact

PROGRAM IDENTIFICATION:

Contact

DEGREE PROGRAM	Geography	7
Degree Level: (i.e., Cer	tificate, A.A., A.A.S., B.A., B.S., M.A., M.S., Ph.D.)	B.A. and B.S.

A. CHANGE IN DEGREE REQUIREMENTS: (Brief statement of program/degree changes and objectives)

Update description to reflect move of program from SNRE to CNSM

Drop GEOG F402 from degree electives under the Geography BA.

Drop GEOG F404 from degree electives under the Geography BA.

Drop GEOG F402 from degree requirements under the Geography BS Environmental Studies concentration.

Drop GEOG F463 from degree electives under the Geography BS Environmental Studies concentration.

Add STAT F200x to degree requirements for the Geography BS Environmental Studies concentration.

Change designator for GEOG F338 to NRM F338.

Change designator for GEOG F435 to NRM F435.

Correct errors in Geography program description.

B. CURRENT REQUIREMENTS AS IT APPEARS IN THE CATALOG:

GEOGRAPHY

School of Natural Resources and Extension UA Geography Program 907-474-7188 www.uaf.edu/snre/

BA, BS Degrees

Minimum Requirements for Degrees: 120 credits

Geography is a broad, holistic study of the interactions among various natural/environmental, political, cultural and economic systems, and how those interactions create the world we see today at both local and global scales. Geography takes a synthesizing and inherently interdisciplinary approach to develop an integrated understanding of climate change, resource development, energy use and conservation, geopolitics, sustainable development, assessment of natural and human-caused environmental hazards, land-use change, regional conflicts, and economic and political developments all over the world. Geography also provides the framework for the integration of existing and emerging technologies such as GIS, remote sensing and geo-visualization into a broad range of academic and professional fields.

The geography BA and BS degrees are built upon a group of required courses that gives students a firm grounding in the fundamental components of the discipline, including global geographic perspectives, geography of the earth's natural systems, geography of human systems, geospatial sciences (GIS, remote sensing, geo-visualization), and the synthesis of these core perspectives through an integrating capstone experience.

Our students find work in such fields as mapping technology (GIS/ cartography), regional planning, international relations, state and federal resource management, transportation planning, environmental impact assessment, tourism, and teaching. Many of our students go on to graduate study in geography, natural resources, environmental science or planning.

The geography BA degree gives students a broad understanding of the interactions among the physical environments, economics, political events, and cultures of various regions of the world, and equips students with the ability to interpret contemporary geopolitical and environmental issues. The BA prepares students for careers in management, policy, teaching, field-based research, regional planning, and a variety of private sector careers. The BA also provides an excellent foundation for graduate studies in a wide range of academic disciplines.

BA students are encouraged to coordinate minors, electives and internships to develop further expertise within a chosen region or topic, to take advantage of the considerable topical and regional expertise found throughout the UAF community, and also to underscore the important role other disciplines play within the field of geography.

Three specialized concentrations are available to students pursuing the BS degree: environmental studies;

landscape analysis and climate change studies; and geospatial sciences. The environmental studies concentration provides the foundation for understanding interactions between natural and human systems, analysis of environmental issues from an interdisciplinary geographic perspective, a diverse technical and scientific approach to environmental issues, and the ability to design balanced solutions to environmental problems.

The landscape analysis and climate change studies concentration integrates and synthesizes courses in geography. climate, geologic and biological sciences, as well as geospatial sciences. Students gain a sound and interdisciplinary understanding of how environmental change influences landscape patterns and human activity and welfare on both spatial and temporal scales. Senior capstone and internship courses offer integrating capstone experiences, enabling students to apply what they have learned in real-world settings. The geospatial sciences concentration emphasizes skills and practices in geographic information systems, remote sensing, geovisualization and analysis of spatial patterns. Courses in GIS, remote sensing, GPS, map design, spatial statistics and computer programming are integrated with the geography foundation curriculum and courses in the natural sciences.

Major — BA Degree

- 1. Complete the general university requirements (page 129).
- 2. Complete the BA degree requirements (page 133).
- 3. As part of the baccalaureate core requirements, complete NRM F303X.*
- 4. Complete the following:*

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GEOG F101—Expedition Earth: Introduction to Geography......3
GEOG F111X—Earth and Environment: Elements of Physical Geography.......4
GEOG F312—People, Places, and Environment: Principles of Human Geography.......3
GEOG F338—Introduction to Geographic Information Systems.......3
GEOG F490W,O—Geography Seminar.....3
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- 5. Complete the following program (major) requirements. Students will tailor their program through course selection from the categories below in consultation with their advisor to focus on a subspecialty in the circumpolar North and/or the Pacific Rim.*
 - a. Regional geography: Complete two of the following:

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GEOG F302—Geography of Alaska.....3
 GEOG F303—Geography of United States and Canada......3
 GEOG F305W—Geography of Europe.....3
 GEOG F306—Geography of Russia.....3
 GEOG F311W—Geography of Asia......3
 GEOG F410—Geography of the Pacific Rim......3
 GEOG F427—Polar Geography......3
 b. Physical geography: Complete one of the following:
 GEOG F307—Weather and Climate.....3
 GEOG F339—Maps and Landscape Analysis.....4
 GEOG F412—Geography of Climate and Environmental Change.......3
 GEOG F418—Biogeography......3
c. Human geography: Complete one of the following:
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GEOG F402—Resources and Environment	3
GEOG F404—Urban Geography	3
GEOG F405—Political Geography	3
GEOG F420—Geopolitics of Energy	3
NRM F403W/O—Environmental Decision Making	3

d. Techniques: Complete one of the following:

1
GEOG F309—Digital Cartography and Geo-Visualization4
GEOG F430—Google Earth and Neogeography3
GEOG F435—GIS Analysis4
GEOG F483W—Research Design, Writing, and Presentation Methods3
GEOS F422—Geoscience Applications of Remote Sensing3
GEOS F458—Geoscience Applications of GPS and GIS3

NRM F366—Survey Research in Natural Resource Management....3

- e. Geography electives: Complete two courses from any of the above categories, or other courses appropriate to the student's chosen program of study. Both courses must be at F300 level or higher and approved by the student's advisor.
- 6. Minimum credits required......120

Note: Geography majors are encouraged to reinforce their program focus with a minor in one of the following areas: Alaska Native Studies, Anthropology, Asian Studies, Economics, Environmental Politics, Foreign Languages, Geology, Geophysics, Global Studies, History, Journalism, Natural Resource Management, Northern Studies, Political Science, Rural Development, Russian Studies

Note: Students and faculty advisors should carefully review prerequisites for courses outlined in each required and/or optional area. In some instances courses, either in geography or other fields, require successful completion of 1–3 prerequisite courses. Therefore, students and faculty should note minimum degree credit hours are 120, but the actual number of required course

^{*} Students must earn a C grade or better in each course.

credits may exceed that number.

Major — BS Degree

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2.	As part of the baccalaureate core requirements, complete NRM F303X.* Complete the following:* GEOG F101—Expedition Earth: Introduction to Geography3 GEOG F111X—Earth and Environment: Elements of Physical Geography4 GEOG F312—People, Places and Environment: Principles of Human Geography3 GEOG F338—Introduction to Geographic Information Systems3 GEOG F490W/O—Geography Seminar
	Environmental Studies a. As part of the baccalaureate core requirements, complete CHEM F105X.
	b. As part of the BS degree requirements, complete BIOL F115X and BIOL F116X.
	c. Complete the following: GEOG F207—Research Methods and Statistics in Geography3 GEOG F307—Weather and Climate
	d. Complete two courses from the following environmental studies electives: GEOG F412—Geography of Climate and Environmental Change3 GEOG F463—Wilderness Concepts
	e. Complete three courses from the following environmental system electives: ANTH F428—Ecological Anthropology and Regional Sustainability3 BIOL F371—Principles of Ecology
	f. Complete one of the following environmental management electives: NRM F365—Principles of Outdoor Recreation Management
	g. Complete one of the following techniques electives: GEOG F309—Digital Cartography and Geo-Visualization
	Landscape Analysis and Climate Change Studies a. As part of the baccalaureate core requirements, complete CHEM F105X and STAT F200X.
	b. As part of the BS degree requirements, complete BIOL F115X and BIOL F116X.
	c. Complete the following processes requirements (geomorphology, climate, ecology, systems): GEOG F307—Weather and Climate
	d. Complete one of the following processes electives: NRM F370—Watershed Management

e. Complete the following patterns requirements (field methods, GIS/ remote sensing tools):

GEOG F309—Digital Cartography and Geo-Visualization4 GEOG F339—Maps and Landscape Analysis4 GEOG F435—GIS Analysis (4) or GEOS F458—Geoscience Application GPS and GIS (3) 3–4
f. Complete at least one of the following patterns electives: GE F471—Remote Sensing for Engineering3 GEOS F422—Geoscience Applications of Remote Sensing3 NRM F641—Remote Sensing Applications in Natural Resources4
g. Complete the following capstone requirement (program synthesis): GEOG F483W—Research Design, Writing, and Presentation Methods3
Geospatial Sciences a. Complete the following: CS F103—Introduction to Computer Programming
STAT F200X—Elementary Probability and Statistics3 b. Complete at least two remote sensing electives:
GE F471—Remote Sensing for Engineering3 GEOS F422—Geoscience Applications of Remote Sensing3 NRM F641—Remote Sensing Applications in Natural Resources4
c. Complete at least two GIS electives: GE F376—GIS in Geological and Environmental Engineering3 GEOG F309—Digital Cartography and Geo-Visualization4 GEOS F458—Geoscience Applications of GPS and GIS3 NRM F638—GIS Programming**
d. Complete at least two landscape electives: BIOL F4690—Landscape Ecology and Wildlife Habitat
6. Minimum credits required
Minor
Geography
1. Complete the following: GEOG F101—Expedition Earth: Introduction to Geography3 GEOG F111X—Earth and Environment: Elements of Physical Geography4 GEOG electives
2. Minimum credits required
Geographic Information Systems
1. Complete the following:* GEOG F111X—Earth and Environment: Introduction to Physical Geography4 GEOG F309—Digital Cartography and Geo-Visualization4 GEOG F338—Introduction to Geographic Information Systems3 GEOS F458—Geoscience Applications of GPS and GIS
2. Complete one of the following:* GEOG F300—Internship in Geography (in GIS) (3) or any GIS-related course approved by geography department chair (3)3 GEOG F435—GIS Analysis
3. Minimum credits required

C. PROPOSED REQUIREMENTS AS IT WILL APPEAR IN THE CATALOG WITH THESE CHANGES:

(<u>Underline new wording strike through old wording</u> and use complete catalog format)

GEOGRAPHY

School of Natural Resources and Extension College of Natural Science & Mathematics UA Geography Program 907-474-7188 7565 www.uaf.edu/snre cnsm/

BA, BS Degrees

Minimum Requirements for Degrees: 120 credits

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The geospatial sciences concentration emphasizes skills and practices in geographic information systems, remote sensing, geovisualization and analysis of spatial patterns. Courses in GIS, remote sensing, GPS, map design, spatial statistics and computer programming are integrated with the geography foundation curriculum and courses in the natural sciences.

Major — BA Degree

- 1. Complete the general university requirements (page 129).
- 2. Complete the BA degree requirements (page 133).
- 3. As part of the baccalaureate core requirements, complete NRM F303X.*
- 4. Complete the following:*

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GEOG F111X—Earth and Environment: Elements of Physical Geography.......4
GEOG F312—People, Places, and Environment: Principles of Human Geography.......3
GEOG F338—Introduction to Geographic Information Systems......3
NRM F338—Introduction to Geographic Information Systems.......3
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5. Complete the following program (major) requirements. Students will tailor their program through course selection from the categories below in consultation with their advisor to focus on a subspecialty in the circumpolar North and/or

the Pacific Rim.*
a. Regional geography: Complete two of the following:
GEOG F302—Geography of Alaska3
GEOG F303—Geography of United States and Canada3
GEOG F305W—Geography of Europe3 GEOG F306—Geography of Russia3
GEOG F311W—Geography of Asia3
GEOG F410—Geography of the Pacific Rim3
GEOG F427—Polar Geography3
b. Physical geography: Complete one of the following:
GEOG F307—Weather and Climate3
GEOG F339—Maps and Landscape Analysis4
GEOG F412—Geography of Climate and Environmental Change3 GEOG F418—Biogeography3
c. Human geography: Complete one of the following:
GEOG F402—Resources and Environment3
GEOG F404—Urban Geography3
GEOG F405—Political Geography3
GEOG F420—Geopolitics of Energy3
NRM F403W/0—Environmental Decision Making3
d. Techniques: Complete one of the following:
GEOG F309—Digital Cartography and Geo-Visualization4
GEOG F430—Google Earth and Neogeography3
GEOG F435—GIS Analysis4 GEOG F483W—Research Design, Writing, and Presentation Methods3
GEOS F422—Geoscience Applications of Remote Sensing3
GEOS F458—Geoscience Applications of GPS and GIS3
NRM F366—Survey Research in Natural Resource Management3
NRM F435—GIS Analysis4
e. Geography electives: Complete two courses from any of the above categories, or other courses appropriate to the student's chosen program of study. Both courses must be at F300 level or higher and approved by the student's advisor.
6. Minimum credits required120
*Students must earn a C grade or better in each course. Note: Geography majors are encouraged to reinforce their program focus with a minor in one of the following areas: Alaska Native Studies, Anthropology, Asian Studies, Economics, Environmental Politics, Foreign Languages, Geology, Geophysics, Global Studies, History, Journalism, Natural Resource Management, Northern Studies, Political Science, Rural Development, Russian Studies. Note: Students and faculty advisors should carefully review prerequisites for courses outlined in each required and/or optional area. In some instances courses, either in geography or other fields, require successful completion of 1–3 prerequisite courses. Therefore, students and faculty should note minimum degree credit hours are 120, but the actual number of required course credits may exceed that number.
Major — BS Degree
1. Complete the general university requirements (page 129).
2. Complete the BS degree requirements (page 134). As part of the BS degree requirements, complete BIOL F115X, BIOL F116X, and MATH F200X or MATH F272X.*
3. As part of the baccalaureate core requirements, complete NRM F303X and STAT F200X.*
4. Complete the following:*
GEOG F101—Expedition Earth: Introduction to Geography3
GEOG F111X—Earth and Environment: Elements of Physical Geography4
GEOG F312—People, Places and Environment: Principles of Human Geography3
GEOG F338—Introduction to Geographic Information Systems3 GEOG F490W,0—Geography Seminar3
NRM F338—Introduction to Geographic Information Systems3
5. Complete one of the following concentrations:*
Environmental Studies
a. As part of the baccalaureate core requirements, complete CHEM F105X <u>.*</u>
b. As part of the BS degree requirements, complete BIOL F115X, and BIOL F116X, and MATH F200X or MATH F272X.*
e b. Complete the following:
GEOG F207—Research Methods and Statistics in Geography3
GEOG F307—Weather and Climate3
GEOG F339—Maps and Landscape Analysis4

GEOG F402—Resources and Environment3
GEOG F483W—Research Design, Writing, and Presentation Methods3
d c. Complete two courses from the following environmental studies electives:
GEOG F412—Geography of Climate and Environmental Change3
GEOG F463—Wilderness Concepts3
GEOG F488—Geographic Assessment and Prediction of Natural Hazards3
NRM F403W/O—Environmental Decision Making3
NRM F407—Environmental Law3
e. <u>d</u> . Complete three courses from the following environmental system electives:
ANTH F428—Ecological Anthropology and Regional Sustainability3 BIOL F371—Principles of Ecology4
BIOL/NRM F277—Introduction to Conservation Biology3
GEOG F418—Biogeography3
GEOS F304—Geomorphology3
NRM F375—Natural Resource Ecology3
NRM F380W—Soils and the Environment3
f. e. Complete one of the following environmental management electives:
NRM F365—Principles of Outdoor Recreation Management3
NRM F370—Introduction to Watershed Management
NRM F430—Resource Management Planning3
NRM F464—Wilderness Management3 NRM F480—Soil Management for Quality and Conservation3
g. <u>f.</u> Complete one of the following techniques electives: GEOG F309—Digital Cartography and Geo-Visualization4
GEOG F435—GIS Analysis4
GEOS F422—Geoscience Applications of Remote Sensing
GEOS F458—Geoscience Applications of GPS and GIS3
NRM F366—Survey Research in Natural Resource Management3
NRM F435—GIS Analysis4
GEOG F483W—Research Design, Writing, and Presentation Methods3
Landscape Analysis and Climate Change Studies
a. As part of the baccalaureate core requirements, complete CHEM F105X and STAT F200X.*
b. As part of the BS degree requirements, complete BIOL F115X, and BIOL F116X, and MATH F200X or MATH F272X.*
e b. Complete the following processes requirements (geomorphology, climate, ecology, systems):
BIOL F371—Principles of Ecology4
GEOG F307—Weather and Climate3
GEOG F412—Geography of Climate and Environmental Change3
GEOG F418—Biogeography3
BIOL F371 — Principles of Ecology4
GEOS F304—Geomorphology3
d. c. Complete one of the following processes electives:
NRM F370—Watershed Management3 NRM F380W—Soils and the Environment3 or a processes-oriented content course approved by a
geography faculty advisor.
e. d. Complete the following patterns requirements (field methods, GIS/ remote sensing tools):
GEOG F309—Digital Cartography and Geo-Visualization4
GEOG F339—Maps and Landscape Analysis4
GEOG NRM F435—GIS Analysis (4) or GEOS F458—Geoscience Application GPS and GIS (3) 3-4
f. e. Complete at least one of the following patterns electives:
GE F471—Remote Sensing for Engineering3
GEOS F422—Geoscience Applications of Remote Sensing3
NRM F641—Remote Sensing Applications in Natural Resources4
g. f. Complete the following capstone requirement (program synthesis): GEOG F483W—Research Design, Writing, and Presentation Methods3
Constant Spinners
Geospatial Sciences
a. Complete the following: CS F103—Introduction to Computer Programming 3
CS F103—Introduction to Computer Programming3 GEOG F300—Internship in Geography (in GIS) (3)3
GEOG F339—Maps and Landscape Analysis4 3-4
GEOG NRM F435—GIS Analysis4

STAT F200X — Elementary Probability and Statistics3	
b. Complete at least two remote sensing electives:	
GE F471—Remote Sensing for Engineering3	
GEOS F422—Geoscience Applications of Remote Sensing3	
NRM F641—Remote Sensing Applications in Natural Resources4	
c. Complete at least two GIS electives:	
GE F376—GIS in Geological and Environmental Engineering3	
GEOG F309—Digital Cartography and Geo-Visualization4	
GEOS F458—Geoscience Applications of GPS and GIS3	
NRM F638—GIS Programming**3	
d. Complete at least two landscape electives: BIOL F4690—Landscape Ecology and Wildlife Habitat3	
GEOS F304—Geomorphology3	
GEOS F408—Photogeology2	
GEOS F430—Statistics and Data Analysis in Geology3	
6. Minimum credits required120 *Students must earn a C grade or better in each course.	
** Graduate level credit used to complete this undergraduate degree program may NOT be	annlied towards future graduate
degree programs.	applica towards fature graduate
Note: Students and faculty advisors should carefully review prerequisites for courses outlined is	n each required and/or optional
area. In some instances, courses, either in geography or other fields, require successful complet	
Therefore, students and faculty should note minimum degree credit hours are 120, but the actumay exceed that number	al number of required course credits
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Minor	
Geography	
Geography 1. Complete the following:*	
1. Complete the following:*	
1. Complete the following:* GEOG F101—Expedition Earth: Introduction to Geography3	
1. Complete the following:*	
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1. Complete the following:* GEOG F101—Expedition Earth: Introduction to Geography3 GEOG F111X—Earth and Environment: Elements of Physical Geography4 GEOG electives	

D. ESTIMATED IMPACT
WHAT IMPACT, IF ANY, WILL THIS HAVE ON BUDGET, FACILITIES/SPACE, FACULTY, ETC.

No significant impact. Will use existing faculty, space, and curriculum resources.

E. IMPACTS ON PROGRAMS/DEPTS: What programs/departments will be affected by this proposed action? Include information on the Programs/Departments contacted (e.g., email, memo) These changes will have no known impact on other programs. F. IF MAJOR CHANGE - ASSESSMENT OF THE PROGRAM: Description of the student learning outcomes assessment process.) Geography SLOA consists of assembling a concise portfolio of student work and evaluations of that work. Written work and records of oral presentations are systematically collected from specific required courses as each geography major progresses through his/her program. Each student's early work from introductory courses is compared to work produced in senior capstone courses, and a faculty committee produces an evaluation of improvement in writing, presentation, and critical thinking skills for each student. These evaluations are then compiled in aggregate form to give a general representation of measurable improvement in these skills for a given cohort of graduating students. These aggregate measures will be compared from year to year to assess whether the entire degree program is producing an increase, decrease, or steady state in student learning over time. JUSTIFICATION FOR ACTION REQUESTED The purpose of the department and campus-wide curriculum committees is to scrutinize program/degree change applications to make sure that the quality of UAF education is not lowered as a result of the proposed change. Please address this in your response. This section needs to be self-explanatory. If you drop a course, is it because the material is covered elsewhere? Use as much space as needed to fully justify the proposed change and explain what has been done to ensure that the quality of the program is not compromised as a result. These changes are being made to adjust to changes in program priorities, faculty availability, and the administrative move of the Geography programs from the School of Natural Resources and Agricultural Sciences (SNRAS) to the College of Natural Science & Mathematics (CNSM). GEOG F404 is being dropped because it has been deleted from the catalog. The faculty member who taught GEOG F463 and GEOG F402 has retired, and these courses have been determined to no longer suit the priorities of the program. STAT F200x has been added as a requirement under the Geography BS Environmental Studies concentration to formalize what has been done through advising up to now. Because of the move from SNRE to CNSM, the NRM Department (which is in SNRE) asked to remove the GEOG cross-listing from GEOG/NRM F338 and GEOG/NRM 435. Those courses are entirely taught by faculty in the NRM Department, and both departments agreed that all the credit hours and tuition for those courses should go to SNRE, rather than be split between SNRE and CNSM. The Geography program will continue to use those coures in its degrees, but will now list them with the NRM designator. SEE ATTACHED SIGNATURES APPROVALS: SIGNATURES MUST BE OBTAINED PRIOR TO SUBMISSION TO THE GOVERNANCE OFFICE Date Signature, Chair, Program/Department of: Geography Date Signature, Chair, College/School Curriculum Council for: **CNSM** Signature, Dean, College/School of: **CNSM** CHAIR SIGNATURE OBTAINED FOLLOWING APPROVAL BY FACULTY SENATE COMMITTEE

CHAIR SIGNATURE OBTAINED FOLLOWING APPROVAL BY FACULTY SENATE COMMITTEE Date Signature, Chair, UAF Faculty Senate Curriculum Review Committee Graduate Academic and Advisory Committee

F. IF MAJOR CHANGE - ASSESSMENT OF THE PROGRAM:

Description of the student learning outcomes assessment process.)

Geography SLOA consists of assembling a concise portfolio of student work and evaluations of that work. Written work and records of oral presentations are systematically collected from specific required courses as each geography major progresses through his/her program. Each student's early work from introductory courses is compared to work produced in senior capstone courses, and a faculty committee produces an evaluation of improvement in writing, presentation, and critical thinking skills for each student. These evaluations are then compiled in aggregate form to give a general representation of measurable improvement in these skills for a given cohort of graduating students. These aggregate measures will be compared from year to year to assess whether the entire degree program is producing an increase, decrease, or steady state in student learning over time.

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The purpose of the department and campus-wide curriculum committees is to scrutinize program/degree change applications to make sure that the quality of UAF education is not lowered as a result of the proposed change. Please address this in your response. This section needs to be self-explanatory. If you drop a course, is it because the material is covered elsewhere? Use as much space as needed to fully justify the proposed change and explain what has been done to ensure that the quality of the program is not compromised as a result.

These changes are being made to adjust to changes in program priorities, faculty availability, and the administrative move of the Geography programs from the School of Natural Resources and Agricultural Sciences (SNRAS) to the College of Natural Science & Mathematics (CNSM).

GEOG F404 is being dropped because it has been deleted from the catalog. The faculty member who taught GEOG F463 and GEOG F402 has retired, and these courses have been determined to no longer suit the priorities of the program.

STAT F200x has been added as a requirement under the Geography BS Environmental Studies concentration to formalize what has been done through advising up to now.

Because of the move from SNRE to CNSM, the NRM Department (which is in SNRE) asked to remove the GEOG cross-listing from GEOG/NRM F338 and GEOG/NRM 435. Those courses are entirely taught by faculty in the NRM Department, and both departments agreed that all the credit hours and tuition for those courses should go to SNRE, rather than be split between SNRE and CNSM. The Geography program will continue to use those course in its degrees, but will now list them with the NRM designator.

Cary de W.	Date 10-10-2014
Signature, Chair, Program/Department of: Geography	
Jeh	Date 10-16-14
Signature, Chair, Cottege/School Curriculum Council for:	CNSM '
Taufle Lay	Date (0/17/19
Signature, Dean, College/School of: CNSM	, ,
CHAIR SIGNATURE OBTAINED FOLLOWING APPROVAL	L BY FACULTY SENATE COMMITTEE
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Signature, Chair, UAF Faculty SenateCurriculum Review Committee	