

**PROGRAM/DEGREE REQUIREMENT CHANGE (MAJOR/MINOR)**

**SUBMITTED BY:**

<b>Department</b>	Fisheries Division	<b>College/School</b>	School of Fisheries and Ocean Sciences
<b>Prepared by</b>	Trent Sutton	<b>Phone</b>	474-7285
<b>Email Contact</b>	tmsutton@alaska.edu	<b>Faculty Contact</b>	Trent Sutton

See <http://www.uaf.edu/uafgov/faculty/cd> for a complete description of the rules governing curriculum & course changes.

**PROGRAM IDENTIFICATION:**

<b>DEGREE PROGRAM</b>	Minor in Fisheries
<b>Degree Level: (i.e., Certificate, A.A., A.A.S., B.A., B.S., M.A., M.S., Ph.D.)</b>	Minor

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

The goal of the Minor in Fisheries degree program is to augment the education of undergraduate students at UAF by providing a broad understanding of fisheries and fisheries-related issues. There have been no large-scale changes in the requirements for the Minor in Fisheries. The modifications listed below reflect changes in course names, clarification of course requirements, or the addition of courses to diversify options for students.

**B. CURRENT REQUIREMENTS AS IT APPEARS IN THE CATALOG:**

Minor

1. Complete the following:

- FISH F101—Introduction to Fisheries (3)  
or NRM F101—Natural Resources Conservation  
and Policy (3).....3
- FISH F288—Marine and Freshwater Fishes of Alaska.....3

2. Complete at least 6 credits from the following:

- FISH F261—Introduction to Fisheries Utilization.....3
- FISH F336—Introduction to Aquaculture.....3
- FISH F421—Fish Population Dynamics.....4
- FISH F425—Fish Ecology.....3
- FISH F436—Salmon Culture.....3
- FISH F487—Fisheries Management.....3

3. Complete at least 3 credits from one of the following concentrations:

- Fisheries Science**
- BIOL F305—Invertebrate Zoology.....5
- BIOL F310—Animal Physiology.....3
- BIOL F328—Biology of Marine Organisms.....3
- BIOL F441—Animal Behavior.....3
- BIOL F471—Population Ecology.....3
- BIOL F472W—Community Ecology.....3
- BIOL F473W—Limnology.....4
- BIOL F476—Ecosystem Ecology.....3
- BIOL F483—Stream Ecology.....3
- NRM F370—Introduction to Watershed Management.....3
- Fisheries Business Administration and Economics**
- ACCT F261—Accounting Concepts and Uses I.....3
- ACCT F262—Accounting Concepts and Uses II.....3
- BA F151—Introduction to Business .....4

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BA F307—Introductory Human Resources Management.....	3
BA F325—Financial Management.....	3
BA F343—Principles of Marketing.....	3
BA F390—Organizational Theory and Management.....	3
ECON F200—Principles of Economics.....	3
ECON F235—Introduction to Natural Resources Economics...3	
ECON F335—Intermediate Natural Resource Economics.....	3
ECON F434—Environmental Economics.....	3
Fisheries Policy and Rural Development	
ANTH F242—Native Cultures of Alaska.....	3
ANTH F403W/O—Political Anthropology.....	3
ANTH F428—Ecological Anthropology and Regional Sustainability.....	3
HIST F411—Environmental History.....	3
NRM F407—Environmental Law.....	3
NRM F430—Resource Management Planning.....	3
PS F101—Introduction to American Government and Politics.3	
PS F447—U.S. Environmental Politics.....	3
RD F200—Community Development in the North.....	3
RD F245—Fisheries Development in Rural Alaska.....	3
RD F265—Perspectives on Subsistence in Alaska.....	3
RD F3500—Indigenous Knowledge and Community Research.....	3
4. Minimum credits required.....	15

**C. PROPOSED REQUIREMENTS AS IT WILL APPEAR IN THE CATALOG WITH THESE CHANGES:**  
*(Underline new wording strike through old wording and use complete catalog format )*

Minor

1. Complete the following:

FISH F101—Introduction to Fisheries (3)	
or NRM F101—Natural Resources Conservation and Policy (3).....	3
FISH F288— <del>Marine and Freshwater Fishes of Alaska</del> <u>Fish and Fisheries of Alaska</u> .....	3

2. Complete at least 6 credits from the following:

<del>FISH F261—Introduction to Fisheries Utilization.....</del>	<del>3</del>
<del>FISH F336—Introduction to Aquaculture.....</del>	<del>3</del>
<del>FISH F421—Fish Population Dynamics.....</del>	<del>4</del>
<del>FISH F425—Fish Ecology.....</del>	<del>3</del>
<del>FISH F436—Salmon Culture.....</del>	<del>3</del>
<del>FISH F487—Fisheries Management.....</del>	<del>3</del>

2. Students must take at least 6 additional credit hours designated FISH, with the exception of any FISH 492 courses.

3. Complete at least 3 credits from one of the following concentrations: Students may apply at most 3 credit hours from one of the following concentrations:

Fisheries Science	
BIOL F305—Invertebrate Zoology.....	5
BIOL F310—Animal Physiology.....	3
BIOL F328—Biology of Marine Organisms.....	3
BIOL F441—Animal Behavior.....	3
BIOL F471—Population Ecology.....	3
BIOL F472W—Community Ecology.....	3
BIOL F473W—Limnology.....	4
BIOL F476—Ecosystem Ecology.....	3
BIOL F483—Stream Ecology.....	3
NRM F370—Introduction to Watershed Management.....	3



Fisheries Business Administration and Economics	
ACCT F261—Accounting Concepts and Uses I.....	3
ACCT F262—Accounting Concepts and Uses II.....	3
BA F151—Introduction to Business .....	4
BA F307—Introductory Human Resources Management.....	3
BA F325—Financial Management.....	3
BA F330—The Legal Environment of Business.....	3
BA F343—Principles of Marketing.....	3
BA F390—Organizational Theory and Management.....	3
ECON F200—Principles of Economics.....	3
ECON F235—Introduction to Natural Resources Economics...3	
ECON F335—Intermediate Natural Resource Economics.....	3
ECON F434—Environmental Economics.....	3

**Fisheries Policy and Rural Development**

<u>ANS F350W,O—Cross Cultural Communication: Alaskan Perspectives.....</u>	
	3
<u>ANS F401—Cultural Knowledge of Native Elders.....</u>	
	3
ANTH F242—Native Cultures of Alaska.....	
	3
ANTH F403W/O—Political Anthropology.....	
	3
ANTH F428—Ecological Anthropology and Regional Sustainability.....	
	3
HIST F411—Environmental History.....	
	3
NRM F407—Environmental Law.....	
	3
NRM F430—Resource Management Planning.....	
	3
PS F101—Introduction to American Government and Politics.3	
PS F447—U.S. Environmental Politics.....	
	3
<u>PS F454—International Law and the Environment.....</u>	
	3
<u>PS F455O—Political Economy of the Global Environment.....</u>	
	3
<u>PS F458—Comparative Environmental Politics.....</u>	
	3
RD F200—Community Development in the North.....	
	3
RD F245—Fisheries Development in Rural Alaska.....	
	3
<u>RD F256—Co-Management of Renewable Resources.....</u>	
	3
RD F265—Perspectives on Subsistence in Alaska.....	
	3
<u>RD F300W—Rural Development in a Global Perspective.....</u>	
	3
RD F350O—Indigenous Knowledge and Community Research.....	
	3
<u>RD F430—Indigenous Economic Development and Entrepreneurship.....</u>	
	3
4. Minimum credits required.....	
	15

**D. ESTIMATED IMPACT**

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

There are no anticipated impacts from the changes listed above. All courses already exist and are taught consistently by UAF faculty. There are no additional requirements of budget, facilities, space, or faculty.

**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)*

The proposed changes have the potential to increase enrollment slightly in the listed courses for the following programs: Alaska Native Studies, Anthropology, Business Administration, History, Natural Resources Management, Political Science, and Rural Development. These increases in enrollment would be for no more than 1 to 3 students per course.

**F. IF MAJOR CHANGE - ASSESSMENT OF THE PROGRAM:**

*Description of the student learning outcomes assessment process.)*

There are no major changes proposed for the Minor in Fisheries. Student learning outcomes and assessment procedures already exist for this degree program and will not be altered at this time based on the proposed changes.

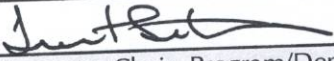
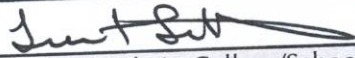
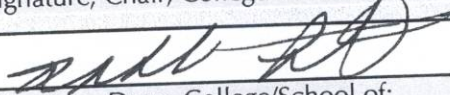


**JUSTIFICATION FOR ACTION REQUESTED**

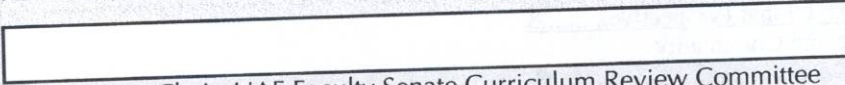
The purpose of the department and campus-wide curriculum committees is to scrutinize program/degree change applications to make sure that the quality of UAF education is not lowered as a result of the proposed change. Please address this in your response. This section needs to be self-explanatory. If 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.

The proposed changes include: (1) changing the name of a course (FISH 288 Marine and Freshwater Fishes of Alaska to Fish and Fisheries of Alaska) as requested by the instructor; (2) adding the statement in section 2 to "Students must take at least 6 additional credit hours designated FISH, with the exception of any FISH 492 courses", which increases the number of FISH-designated courses that students can take; (3) adding the statement to section 3 to "Students may apply at most 3 credit hours from one of the following concentrations:" to clarify this component of the degree requirement; and (4) the addition of several courses in section 3 (BA 330, ANS 350 and 401, PS 454, 455, and 458, and RD 256, 300, and 430) to diversify course offerings in the Fisheries Business Administration and Economics and Fisheries Policy and Rural Development concentrations. No courses have been deleted from the existing degree program and there has not been a change in the number of credits required to complete the degree. Overall, the proposed changes are designed to diversify the courses available to complete the Minor in Fisheries and reflect the diverse nature of this degree program.

**APPROVALS:**

	Date	8/19/2010
Signature, Chair, Program/Department of: Fisheries Division		
	Date	9/19/2010
Signature, Chair, College/School Curriculum Council for: SFOS		
	Date	8/19/10
Signature, Dean, College/School of: SADS		

**ALL SIGNATURES MUST BE OBTAINED PRIOR TO SUBMISSION TO THE GOVERNANCE OFFICE**

	Date	<input type="text"/>
Signature, Chair, UAF Faculty Senate Curriculum Review Committee		