

Submit original with signatures + 1 copy + electronic copy to Faculty Senate (Box 7500).  
 See <http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-degree-procedures/> for a complete description of the rules governing curriculum & course changes.

TRIAL COURSE OR NEW COURSE PROPOSAL

SUBMITTED BY:

Department

1. ACTION DESIRED  
 (CHECK ONE):  Trial Course

students taking the course. Typically, if either committee has qualms, they both do. More info online – see URL at top of this page.

6. FREQUENCY OF OFFERING:   
 Fall, Spring, Summer (Every, or Even-numbered Years, or Odd-numbered Years) — or As Demand Warrants

7. SEMESTER & YEAR OF FIRST OFFERING  
 (AY2013-14 if approved by 3/1/2013; otherwise AY2014-15)

8. COURSE FORMAT:

NOTE: Course hours may not be compressed into fewer than three days per credit. Any course compressed into fewer than six weeks must be approved by the college or school's curriculum council. Furthermore, any core course compressed to less than six weeks must be approved by the core review committee.

COURSE FORMAT: (check all that apply)

	<input checked="" type="checkbox"/>	1	<input checked="" type="checkbox"/>	2	<input checked="" type="checkbox"/>	3	<input checked="" type="checkbox"/>	4	<input type="checkbox"/>	5	<input type="checkbox"/>	6
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FISH F487 W, O Fisheries Management

3 Credits Offered Spring

Theory and practice of fisheries management, with an emphasis on strategies utilized for the management of freshwater and marine fisheries. Prerequisites: COMM F131X or COMM F141X; ENGL F111X; ENGL F211X or ENGL F213X; ENGL F414; FISH F425; or permission of instructor. Cross-listed with NRM F487. (3+0)

**ENVI F112 Introduction to Water Quality III: Data Quality Assurance**

1 credit Offered as demand warrants

Students participating in this class will review proper use of surface water quality testing equipment and calibration and operation methods learned in ENVI 110 and ENVI 111.

Emphasis in this class will be placed on conducting data quality assurance measures that meet data quality objectives, writing and following a data Quality Assurance Project Plan (QAPP), and data analysis and reporting. Students will continue to develop their own U.S. Environmental Protection Agency approved QAPP for surface water quality monitoring.

Prerequisites: ENVI 111 *Letter graded (1+0)*.

11. COURSE CLASSIFICATIONS: Undergraduate courses only. Consult with CLA Curriculum Council to apply S or H classification appropriately; otherwise leave fields blank.

H = Humanities  S = Social Sciences

Will this course be used to fulfill a requirement for the baccalaureate core? If YES, attach form .

YES:	<input type="checkbox"/>	NO:	<input checked="" type="checkbox"/>
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IF YES, check which core requirements it could be used to fulfill:

O = Oral Intensive, Format 6	<input type="checkbox"/>	W = Writing Intensive, Format 7	<input type="checkbox"/>	Natural Science, ("X" for Core) Format 8	<input type="checkbox"/>
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18. ESTIMATED IMPACT

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

Minimal impact on budget, facilities, and classroom space. Classes will be taught by UAA ANHP Faculty, Daniel Bogan or approved adjunct instructors. The course may be offered through UAF CRCD campuses. Water quality sampling equipment will be provided by UAF but participants are encouraged to bring the equipment that they need to be certified on.

19. LIBRARY COLLECTIONS

Have you contacted the library collection development officer (kljensen@alaska.edu, 474-6695) with regard to the adequacy of library/media collections, equipment, and services available for the proposed course? If so, give date of contact and resolution. If not, explain why not.

No  X Yes  no additional resources needed

20. 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)

This course is supported by Kevin Illingworth, the coordinator of the UAF Tribal Management Program as it will have a positive impact for students enrolled in the Tribal Management Program. Their Natural Resources Management program has been left without any environmental courses due to limited resources. Tribal Management students will benefit from the availability of such courses, boosting the Environmental Studies program student numbers.

21. POSITIVE AND NEGATIVE IMPACTS

Please specify positive and negative impacts on other courses, programs and departments resulting from the proposed action.

The Directors of the Northwest Campus, Bristol Bay Campus and Kuskokwim Campus have all indicated that this course will have a positive impact on their respective rural communities by allowing increased educational opportunities in water quality testing and management, particularly for rural tribes applying for funding from the EPA Indian General Assistance Program. Deborah McLean, Director of the Bristol Bay Campus believes that this course will meet the needs most central to water quality in Alaska's rural communities.

Surface water quality monitoring is done across Alaska so that communities can develop a water quality database to serve as a baseline that may measure future changes. By developing a program that puts in place a standardized training regime for rural water quality technicians, this helps to ensure that the tests will be done so they are accurate and defensible. The Yukon River Inter-Tribal Watershed Council, Southwest Alaska Municipal Conference, and Bristol Bay Native Association all endorse this course and the surface water quality OE as they believe it will help communities gain defensible water quality testing and reporting programs. Further each of these partners are required to employ environmental program staff with the proper water quality sampling and collection training. Upon completion of the surface water quality OE students will have a solid foundation of skills applicable to other technical positions available in the community or tribe.

APPROVALS: Add additional signature lines as needed.

	Date	4-7-15
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Signature, Chair, Program/Department of:

ATTACH COMPLETE SYLLABUS (as part of this application). The guidelines are online:  
<http://www.uaf.edu/uafgov/faculty-senate/curriculum/cse-degree-procedures-/uaf-syllabus-requirements/>  
The Faculty Senate curriculum committees will review the syllabus to ensure that each of the items listed below are included. If items are missing or unclear, the proposed course (or changes to it) may be denied.

SYLLABUS CHECKLIST FOR ALL UAF COURSES

During the first week of class, instructors will distribute a course syllabus. Although modifications may be made throughout the semester, this document will contain the following information (as applicable to the discipline):

1. Course information:

Title,  number,  credits,  prerequisites,  location,  meeting time  
(make sure that contact hours are in line with credits).

2. Instructor (and if applicable, Teaching Assistant) information:

Name,  office location,  office hours,  telephone,  email address.

3. Course readings/materials:

Course textbook title,  author,  edition/publisher.

Supplementary readings (indicate whether  required or  recommended) and  
 any supplies required.

4. Course description:

Content of the course and how it