

BAUE TO GRADUATION 9.17.14

FORMAT 1

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
(Attach copy of syllabus)

SUBMITTED BY:

Department	Fisheries	College/School	SFOS
Prepared by	Milo Adkison	Phone	474-1811
Email Contact	cneumann@alaska.edu	Faculty Contact	mdadkison@alaska.edu

1. ACTION DESIRED

(CHECK ONE):

Trial Course ☐

New Course ☒

2. COURSE IDENTIFICATION:

Dept

Fish

Course #

621 682

No. of Credits

4

Justify upper/lower division status & number of credits:

This course will be taught at a graduate level, assuming a strong background in salmon biology and quantitative skills (see recommended courses). The number of credits reflects the intensive nature of the course – three weeks of 8 hour days, with a mix of instructor lectures, guest lectures, computer laboratories, and field practica

3. PROPOSED COURSE TITLE:

Field Course in Salmon Management

4. To be CROSS LISTED?

YES/NO

No

If yes, Dept:

Course #

NOTE: Cross-listing requires approval of both departments and deans involved. Add lines at end of form for additional required signatures.

5. To be STACKED?*

YES/NO

No

If yes, Dept:

Course #

How will the two course levels differ from each other? How will each be taught at the appropriate level?:

* Use only one Format 1 form for the stacked course (not one for each level of the course) and attach syllabi. Stacked course applications are reviewed by the (Undergraduate) Curricular Review Committee and by the Graduate Academic and Advising Committee. Creating two different syllabi (undergraduate and graduate versions) will help emphasize the different qualities of what are supposed to be two different courses. The committees will determine: 1) whether the two versions are sufficiently different (i.e. is there undergraduate and graduate level content being offered); 2) are undergraduates being overtaxed?; 3) are graduate students being undertaxed? In this context, the committees are looking out for the interests of the 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:

Alternate summers

Fall, Spring, Summer (Every, or Even-numbered Years, or Odd-numbered Years) — or As Demand Warrants

7. SEMESTER & YEAR OF FIRST OFFERING (Effective AY2015-16 if approved by 3/31/2015; otherwise AY2016-17)

Summer 2015 ☒

SUMMER 2016

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)

☐ 1

☐ 2

☒ 3

☐ 4

☐ 5

☐ 6 weeks to full semester

OTHER FORMAT (specify)

Mode of delivery (specify lecture, field trips, labs, etc)

56 hours/week mix of instructor lectures, guest lectures, computer laboratories, and field practica. June 20 – July 10 in Aleknagik, AK

9. CONTACT HOURS PER WEEK:

<input type="text"/>	LECTURE hours/weeks	<input type="text"/>	LAB hours/week	<input type="text"/>	PRACTICUM hours/week
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Note: # of credits are based on contact hours. 800 minutes of lecture=1 credit. 2400 minutes of lab in a science course=1 credit. 1600 minutes in non-science lab=1 credit. 2400-4800 minutes of practicum=1 credit. 2400-8000 minutes of internship=1 credit. This must match with the syllabus. See <http://www.uaf.edu/uafgov/landsite-science/curriculum/course-degrees-procedures/landtimes-for-computing/> for more information on number of credits.

OTHER HOURS (specify type)

56 hours/week mix of instructor lectures, guest lectures, computer laboratories, and field practica

10. COMPLETE CATALOG DESCRIPTION including dept., number, title, credits, credit distribution, cross-listings and/or stacking (50 words or less if possible):

Example of a complete description:

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)

Fish F6?? Field Course in Salmon Management

4 Credits Offered odd-year summers

A hands-on study of salmon management, with participation of harvesters, processors, managers, and scientists. Students will track the return of salmon to Bristol Bay, and estimate the total return as the runs develop. Consists of a combination of lectures, computer laboratories and field experience in data collection. June 20 – July 10 in Aleknagik, AK

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

O = Oral Intensive, Format 6 W = Writing Intensive, Format 7 X = Baccalaureate Core

11.A Is course content related to northern, arctic or circumpolar studies? If yes, a "snowflake" symbol will be added in the printed Catalog, and flagged in Banner.

YES ☒ NO ☐

12. COURSE REPEATABILITY:

Is this course repeatable for credit? YES ☐ NO ☒

Justification: Indicate why the course can be repeated (for example, the course follows a different theme each time).

How many times may the course be repeated for credit?

<input type="text"/>	TIMES
<input type="text"/>	CREDITS
<input type="text"/>	CREDITS

If the course can be repeated for credit, what is the maximum number of credit hours that may be earned for this course?

If the course can be repeated with variable credit, what is the maximum number of credit hours that may be earned for this course?

13. GRADING SYSTEM: Specify only one. Note: Changing the grading system for a course later on constitutes a Major Course Change – Format 2 form.

LETTER: ☒ PASS/FAIL: ☐

RESTRICTIONS ON ENROLLMENT (if any)

14. PREREQUISITES

Permission of instructor

These will be *required* before the student is allowed to enroll in the course.

15. SPECIAL RESTRICTIONS, CONDITIONS

Fish 633, Stat 401 or equivalents recommended

16. PROPOSED COURSE FEES

\$

Has a memo been submitted through your dean to the Provost for fee approval?

Yes/No

17. PREVIOUS HISTORY

Has the course been offered as special topics or trial course previously?

Yes/No

Yes

If yes, give semester, year, course #, etc.:

Fish 695, Summers 2005, 2007, 2009, 2011, 2013

18. ESTIMATED IMPACT

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

Will require travel monies, and time for Milo Adkison.

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 impact anticipated

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)

Fisheries

21. POSITIVE AND NEGATIVE IMPACTS

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

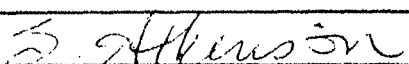
see Justification

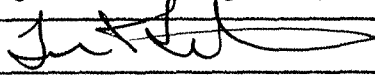
JUSTIFICATION FOR ACTION REQUESTED

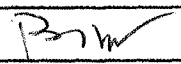
The purpose of the department and campus-wide curriculum committees is to scrutinize course change and new course applications to make sure that the quality of UAF education is not lowered as a result of the proposed change. Please address this in your response. This section needs to be self-explanatory. Use as much space as needed to fully justify the proposed course.

- adding a very practical, management-oriented course to our fisheries curriculum
- increasing the competitiveness of our fisheries graduates for jobs with ADF&G and other management agencies
- increased collaboration between SFOS and UW's FRI, which maintains a network of field stations in support of research on the commercially important Bristol Bay salmon fisheries
- maintaining the University of Alaska's visibility with the commercial fishing industry and rural resource-dependent communities

APPROVALS: Add additional signature lines as needed.

	Date	10/1/14
Signature, Chair, Program/Department of: FISHERIES / SFOS		

	Date	10/3/14
Signature, Chair, College/School Curriculum Council for: SFOS		

	Date	10/8/14
Signature, Dean, College/School of: SFOS		

Offerings above the level of approved programs must be approved in advance by the Provost.

	Date	
Signature of Provost (if above level of approved programs)		

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

	Date	
Signature, Chair Faculty Senate Review Committee: <input type="checkbox"/> Curriculum Review <input type="checkbox"/> GAAC <input type="checkbox"/> Core Review <input type="checkbox"/> SADAC		

ADDITIONAL SIGNATURES: (As needed for cross-listing and/or stacking)

	Date	
Signature, Chair, Program/Department of:		

	Date	
Signature, Chair, College/School Curriculum Council for:		

	Date	
Signature, Dean, College/School of:		

ATTACH COMPLETE SYLLABUS (as part of this application). This list is online at:
<http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-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 fits into the broader curriculum;
☐ Expected proficiencies required to undertake the course, if applicable.
☐ Inclusion of catalog description is *strongly* recommended, and
☐ Description in syllabus must be consistent with catalog course description.

5. ☐ Course Goals (general), and (see #6)

6. ☐ Student Learning Outcomes (more specific)

7. Instructional methods:

☐ Describe the teaching techniques (eg: lecture, case study, small group discussion, private instruction, studio instruction, values clarification, games, journal writing, use of Blackboard, audio/video conferencing, etc.).

8. Course calendar:

☐ A schedule of class topics and assignments must be included. Be specific so that it is clear that the instructor has thought this through and will not be making it up on the fly (e.g. it is not adequate to say "lab". Instead, give each lab a title that describes its content). You may call the outline Tentative or Work in Progress to allow for modifications during the semester.

9. Course policies:

☐ Specify course rules, including your policies on attendance, tardiness, class participation, make-up exams, and plagiarism/academic integrity.

10. Evaluation:

☐ Specify how students will be evaluated, ☐ what factors will be included, ☐ their relative value, and ☐ how they will be tabulated into grades (on a curve, absolute scores, etc.) ☐ Publicize UAF regulations with regard to the grades of "C" and below as applicable to this course. (Not required in the syllabus, but is a convenient way to publicize this.) Link to PDF summary of grading policy for "C":

http://www.uaf.edu/files/uafgov/Info-to-Publicize-C_Grading-Policy-UPDATED-May-2013.pdf

11. Support Services:

☐ Describe the student support services such as tutoring (local and/or regional) appropriate for the course.

12. Disabilities Services: Note that the phone# and location have been **updated**. <http://www.uaf.edu/disability/> The Office of Disability Services implements the Americans with Disabilities Act (ADA), and ensures that UAF students have equal access to the campus and course materials.

☐ State that you will work with the Office of Disabilities Services (208 WHITAKER BLDG, 474-5655) to provide reasonable accommodation to students with disabilities.

5/21/2013

Special Topics Fish 695: Management of Pacific Salmon Management (4 cr.)

Odd Year Summers, June 20 – July 10

Instructors:

Dr. Ray Hilborn University of Washington
(206) 543-3587 rayh@u.washington.edu

Dr. Milo Adkison University of Alaska Fairbanks
(907) 474-1811 mdadkison@alaska.edu

(plus numerous guest lecturers)

Room and board provided.

Open to 4 students from UAF and 4 from UW, w/ permission of instructor.

Submit letter of interest to Milo Adkison (mdadkison@alaska.edu).

Course Goals: This course will provide a comprehensive study of salmon management with a particular emphasis on the quantitative methods used in Alaska and in other jurisdictions for estimation of abundance, run forecasting, and evaluation of harvest strategies. Learning will take place through a combination of lectures, computer laboratories and field experience in data collection. The centerpiece of the course will be the fishery for Bristol Bay sockeye salmon during the field season, and students will actively track the return of salmon to the fishing districts of Bristol Bay, and attempt to estimate the total return as the runs develop from the field data available to management staff.

Student Learning Outcomes: Familiarity with the variety of fishery stakeholders, their viewpoints and objectives; understanding of the goals, regulatory framework, and practice of Alaskan salmon management; capable of applying simple salmon assessment models to data and interpreting the results.

Prerequisites

Permission of instructor. Students will ideally have taken courses in salmon biology, and basic statistical methods.

Materials: Readings will be provided on site. A laptop computer is required (see instructor if you can't find one). Room and board is provided, but students are responsible for airfare and tuition.

Please bring a sleeping bag. Also, personal gear, including a towel. Although the course is mostly indoors, some field trips will require warm gear and rain gear. Calf and/or chest waders may be useful. Fishing opportunities are pretty good – don't forget your license.

The facilities include bunkhouses, wireless internet, showers/toilets, laundry facilities, and a cookhouse complete with cook. All camp residents are expected to periodically participate in chores such as dishwashing and cleaning.

Course format:

4 credits graded. The course will meet 7 days per week from 20 June until 10 July in at the Aleknagik field camp of the University of Washington. Daily activities will include a mix of computer laboratories and a range of field activities including counting salmon from towers, aerial surveys of salmon in streams and lakes, scale sampling of commercial catches and test fishing for salmon abundance.

Tentative schedule:

Date	Topics	Assignments
20-Jun	Travel, camp procedures	
21-Jun	Intro to fishery, history	Intro to term project
22-Jun	In-season management (guest lecture and lab)	
23-Jun	ADF&G daily staff meeting (lab)	
24-Jun	The processing industry (field trip)	Group assignment
25-Jun	Commercial fishing fleet	
26-Jun	Set net fishery (field trip)	
27-Jun	Subsistence fishing (guest lecture)	Assignment reports
28-Jun	Fishery economics - harvesters (lab)	
29-Jun	Fishery economics - industry and markets	Group assignment
30-Jun	Fishery economics – community (guest)	
1-Jul	Conservation issues (guest lecture)	
2-Jul	Management system (lab)	Assignment reports
3-Jul	Alternative management/restructuring?	
4-Jul	Setting escapement goals (lab)	Group assignment
5-Jul	Escapement monitoring	
6-Jul	Escapement monitoring field trip	
7-Jul	Biological research (guest lecture)	Assignment reports
8-Jul	Biological research field trip	
9-Jul	Pre-season forecasting (lab)	Term project reports
10-Jul		

Evaluation: There will be individual and group homework assignments (50% of the grade), including a group term project (25% of the grade). Participation in daily lectures, computer lab, and field assignments will be 25% of the grade. The following standards will be used for assigning grades:

>93%	A
90-93%	A-
87-89%	B+
83-86%	B
80-82%	B-
77-79%	C+
73-76%	C

70-72%	C-
67-69%	D+
63-66%	D
60-62%	D-
<60%	F

Course Policies: Attendance during the lecture and laboratory sessions is required, absent prior permission of the instructor. Any material missed during lecture sessions is the responsibility of the student. Any work missed during laboratory sessions is the responsibility of the student. With written permission from the instructor, you may make up the missed work outside of the laboratory sessions.

Students are reminded to consult the Student Code of Conduct. Cheating, plagiarism, and other forms of academic dishonesty will not be tolerated in this class. You will receive an F in this class if you are caught cheating or plagiarizing. Specifically, students will not collaborate on in-class exams, unless the instructor of the course grants permission. Only those materials permitted by the instructor may be used to assist in exams. Students will not represent the work of others as their own.

Disabilities Services: The Office of Disability Services implements the Americans with Disabilities Act (ADA), and insures that UAF students have equal access to the campus and course materials. We will work with the Office of Disabilities Services (203 WHIT, 474-7043) to provide reasonable accommodation to students with disabilities.