

Submit original with signatures + 1 copy + electronic copy to UAF Governance.  
 See <http://www.uaf.edu/uafgov/faculty/cd> for a complete description of the rules governing curriculum & course changes.

**TRIAL COURSE OR NEW COURSE PROPOSAL**

**SUBMITTED BY:**

Department	Fisheries Division	College/School	SFOS
Prepared by	Keith Criddle	Phone	796-5449
Email Contact	kcriddle@sfos.uaf.edu	Faculty Contact	Keith Criddle

1. ACTION DESIRED (CHECK ONE): Trial Course  New Course

2. COURSE IDENTIFICATION: Dept **FISH** Course # **672** No. of Credits **2**

Justify upper/lower division status & number of credits:

3. PROPOSED COURSE TITLE: **Law and Fisheries**

4. To be CROSS LISTED? YES/NO  No  If yes, Dept:  Course #   
 (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)

5. To be STACKED? YES/NO  No  If yes, Dept:  Course #

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

7. SEMESTER & YEAR OF FIRST OFFERING (if approved) **Fall 2012**

**8. COURSE FORMAT:**

COURSE FORMAT: (check all that apply)  1  2  3  4  5  6 weeks to full semester  
 OTHER FORMAT:   
 Mode of delivery: **Lecture/discussion**

9. CONTACT HOURS PER WEEK:  2 LECTURE hours/weeks  LAB hours/week  PRACTICUM hours/week  
 OTHER HOURS: **none**

**10. COMPLETE CATALOG DESCRIPTION including dept., number, title and credits (50 words or less, if possible):**

**FISH 672 Law and Fisheries**  
 2 credits Offered Fall Even-numbered Years  
 This course introduces students to the key Federal, State, and International laws that govern fisheries in Alaska state waters and in the US Exclusive Economic Zone off Alaska. In addition, the course introduces students to seminal court rulings that have helped shape those laws. Prerequisites: graduate standing or permission of instructor. (2+0)

**11. COURSE CLASSIFICATIONS:**

H = Humanities  S = Social Sciences

Will this course be used to fulfill a requirement for the baccalaureate core? YES  NO

IF YES, check which core requirements it could be used to fulfill:

O = Oral Intensive, Format 6  W = Writing Intensive, Format 7  Natural Science, Format 8

to PS 9/25/11

12. COURSE REPEATABILITY:

Is this course repeatable for credit? YES  NO

Justification: Indicate why the course can be repeated

How many times may the course be repeated for credit?  TIMES

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

13. GRADING SYSTEM: Specify only one.

LETTER:  PASS/FAIL:

RESTRICTIONS ON ENROLLMENT (if any)

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

15. SPECIAL RESTRICTIONS, CONDITIONS

16. PROPOSED COURSE FEES  Has a memo been submitted through your dean to the Provost & VCAS for fee approval? Yes/No

17. PREVIOUS HISTORY

Has the course been offered as special topics or trial course previously? Yes/No

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

18. ESTIMATED IMPACT

WHAT IMPACT, IF ANY, WILL THIS HAVE ON BUDGET, FACILITIES/SPACE, FACULTY, ETC. Costs to the university include the use of classrooms at Lena Point in Juneau and costs associated with videoconference delivery of this course to Fairbanks and other sites as demand warrants. These costs will be offset, in part, by tuition. The instructor is a tenured faculty member and will teach this class as a component of his workload; the course will not require unusual classroom features or other facilities.

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  Yes  The library collection development officer was contacted on 03-16-11. On Anne Christie responded on behalf of the library on 04-05-11 (see attached). With a few minor exceptions, the library has the reference materials listed as required readings for this class. I have copies of the materials that the library does not have and can place them in electronic reserve.

**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)

FISH will bear the bulk of costs and reap the bulk of benefits associated with offering this class. Joshua Greenberg (Dept. Head, Resource Management), Joe Little (Director of MS in Resource & Applied Economics), and Johnathan Rosenberg (Dept. Head, Political Science) were contacted. Dr. Greenberg expresses support for this course and notes that it will be a valuable option for students in the NRS PhD program (see attached). Dr. Little concludes that this course will positively impact the MS Resource and Applied Economics program by serving as an elective for interested students (see attached). The PoliSci faculty indicate that this course does not overlap existing or planned courses and that it may be of interest to their arctic policy students (see attached).

**21. POSITIVE AND NEGATIVE IMPACTS**

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

The principle benefit of this course is that it provides students with an opportunity to gain a working understanding of law as it relates to fisheries and fisheries management. Armed with this background, they will be better qualified for state and federal fisheries management and policy analysis positions. This course does not duplicate any existing UAF courses and does not have any other negative impacts but instead offers potential positive impacts for the NRS PhD, RAE MS, and PoliSci arctic policy programs.

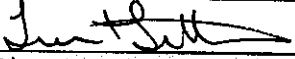
**JUSTIFICATION FOR ACTION REQUESTED**


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.

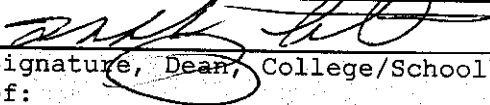
Successful and sustainable management of fisheries requires a solid understanding of biological and ecological relationships and an understanding of the legal framework that governs and regulates fishery management actions. While this framework is briefly introduced in fishery management courses (e.g., FISH 487, FISH 640), to be successful in federal and state management agencies, fisheries professionals need to have more detailed background in federal and state statutes and international agreements that govern access to living marine resources. No existing courses in FISH, ECON, NRM, or PS provide a dedicated review of laws and treaties that govern fisheries.

The course was successfully offered in Fall 2010; 8 students enrolled and 5 registered as guests in the class. Students were located in Juneau, Homer, Soldatna, Anchorage, Fairbanks, and Seattle. An additional 13 students expressed interest in the class but were unable to fit it into their schedules. In addition to attracting regular FISH graduate students, the course attracted employees of ADF&G, NMFS, and CFEC, as well individuals employed in fisheries related businesses and NGOs.

**APPROVALS:**

	Date	04/07/2011
Signature, Chair, Program/Department of:		Fisheries Division

	Date	04/07/2011
Signature, Chair, College/School Curriculum Council for:		SFOS Currial Comm. Hec

	Date	4/11/11
Signature, Dean, College/School of:		SFOS

Signature of Provost (if applicable)	Date
--------------------------------------	------

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

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

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

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

<input type="text"/>	Date: <input type="text"/>
Signature, Chair, Program/Department of: <input type="text"/>	

<input type="text"/>	Date: <input type="text"/>
Signature, Chair, College/School Curriculum Council for: <input type="text"/>	

<input type="text"/>	Date: <input type="text"/>
Signature, Dean, College/School of: <input type="text"/>	

**ATTACH COMPLETE SYLLABUS (as part of this application).**

Note: The guidelines are online: <http://www.uaf.edu/uafgov/faculty/cd/syllabus.html>

The department and campus wide 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 change will 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.)

**11. Support Services:**

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

**12. 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.

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

## FISH 672: Law and Fisheries (2 credits)

**Instructor:** Dr. Keith R. Criddle  
**Contact Information:** [kcriddle@sfos.uaf.edu](mailto:kcriddle@sfos.uaf.edu) 796-5449 LP 203  
**Office hours:** TR 10-12 or by appointment  
**Time/Location:** Thu 5:20-7:20 pm Juneau (LP 103) and by video conference to Fairbanks and other sites as demand warrants.

**Course Description:** This course introduces students to the key Federal, State, and International laws that govern fisheries in Alaska state waters and in the US Exclusive Economic Zone off Alaska. In addition, the course introduces students to seminal court rulings that have helped shape those laws. *Prerequisite: ENGL 213; graduate standing or permission of instructor. (2+0)*

**Course Goals and Learning Objectives:** This is a course on Fisheries Law for non-lawyers. Students who successfully complete this course will have a background in the legal framework that governs and regulates fishery management actions. While this framework is briefly introduced in fishery management courses (e.g., FISH 487, FISH 640), to be successful in federal and state management agencies, fisheries professionals need to have more detailed exposure to federal and state statutes and international agreements that govern access to living marine resources. Specifically, students who successfully complete this course will know:

- The origins and evolution of common law and the public trust doctrine as developed in court cases related to fisheries.
- The rights and obligations of federal and state governments, dependent sovereigns, and individuals as defined in the U.S. constitution and as they have figured in court cases related to fisheries.
- The ten national standards for fisheries management defined in the MSFCMA as they are interpreted and applied in U.S. Fisheries.
- MSFCMA standards and criteria related to the creation and administration of limited access privilege and catch share programs.
- NEPA requirements for environmental assessments and environmental impact statements, U.S. DOC standards for preparation of these documents, and case law that has shaped the preparation of these documents in U.S. fisheries.
- Basic requirements of the ESA, MMPA, CZMA, CWA, and OCSLA as they relate to the management of living marine resources and essential fish habitat.
- U.S. DOC standards for preparation of analyses required under the Regulatory Flexibility Act; EO 12866, and EO 12899, and case law that has shaped the preparation of these documents in U.S. fisheries.
- The role that special purpose congressional action e.g., ANCSA, ANILCA, and the AFA have played in the management of fisheries in Alaska and in federal waters offshore of Alaska.
- The role that the common ownership, sustainable yield, and limited entry sections of the Alaska constitution play in defining the suite of management actions available to the Alaska Board of Fish.
- The organization and authority of the Alaska Board of Fish and the Alaska Department of Fish and Game.
- The development and evolution of UNCLOS, the main provisions related to fisheries, and the role they play in international and domestic fisheries.
- The basic character and provisions of major international treaties and conventions related to North Pacific fisheries.
- The organizational structure and legal authority for enforcement of State, Federal, and International fisheries law.

**Course Readings:** The principle texts for this course are federal and state statutes and regulations and international agreements related to fisheries and court cases dealing with these laws and agreements. These materials will be posted on the UAF Electronic Blackboard.

**Instructional Method:** A combination of lectures and facilitated discussions. UAF's Electronic Blackboard will be used to post links to reference materials and lecture notes. Students will be expected to have studied the assigned readings before each class.

**Evaluation:** Evaluation will be based on 2 essay-short answer take-home exams (30% each), a 10-30 page (double-spaced Time New Roman 11pt font) individual research paper (30%), and classroom participation (10%). The first exam will cover key concepts in federal law (e.g., deference, standing, MSFCMA national standards, exhaustion of remedies, authority of NMFS outside Council process, deeming, etc.). The second exam will cover state and international law and enforcement of federal, state, and international law. The research paper should explore a fisheries-related legal case that is not covered in class. Your paper

should provide background on the case (who did what and why did it lead to litigation), a summary of the arguments advanced by the plaintiffs and defendants, a summary of the decision and reasoning behind the decision, and a discussion of the immediate effects and broader implications of the decision and what you think can be learned from it. You should plan on at least 10 pages and in no case should your paper exceed 20 pages. Students are expected to attend all class sessions having completed reading assignments and being prepared to engage in discussion. Students will be asked and are expected to be able to answer questions about the content and implications of laws covered in the reading assignments.

Letter grades will be based on a sum of scores on the exams and research paper. All writing will be judged for content and exposition. Course grades will be assigned based on a weighted sum of scores on the exercises and exam:  $\geq 90 = A$ ;  $\geq 80$  but  $< 90 = B$ ;  $\geq 70$  but  $< 80 = C$ ;  $\geq 60$  but  $< 70 = D$ ; and  $< 60 = F$ .

**Course policies:** Plagiarism in the research paper or cheating on the exams is automatic grounds for a failing course grade.

**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. I will work with the Office of Disabilities Services (208 WHIT 474-5665) to provide reasonable accommodation to students with disabilities.

**Other Support Service:** For a listing of other support services that may be useful, see: [www.uaf.edu/sssp/index.html](http://www.uaf.edu/sssp/index.html).

**Registration:** Registration can be completed at: [uaonline.alaska.edu](http://uaonline.alaska.edu).

## COURSE OUTLINE & READING ASSIGNMENTS:

1. **US Legal Framework for Fisheries Management**
  - a. Overview of U.S. Legal System, Common Law and Public Trust Doctrine week 1

Lon Fuller, "The Case of the Speluncean Explorers," 62 Harvard Law Review 616 (1948).  
Jan S. Stevens, "The Public Trust: A Sovereign's Ancient Prerogative Becomes the People's Environmental Right," 14 U.C. Davis Law Review 195 (1980).  
*CWC Fisheries, Inc. v. Bunker*, 755 P.2d 1115 (Alaska 1988).
  - b. Introduction to U.S. Fishery Policy and Magnuson-Stevens Fishery Conservation and Management Act ("MSFCMA") week 2

U.S. Commission on Ocean Policy, "An Ocean Blueprint for the 21st Century," (2004): pp. 30-59.  
Michael L. Weber, "From Abundance to Scarcity: A History of U.S. Marine Fisheries Policy," (2002), pp. 12-16, 19-36, 46-55, 75-94, 173-193.  
Marian Macpheson, "Integrating Ecosystem Management Approaches into Federal Fishery Management through the Magnuson-Stevens Fishery Conservation and Management Act," 6 Ocean & Coastal Law Journal 1 (2001).  
*Natural Resources Defense Council v. Daley*, 209 F.3d 747 (D.C. Cir. 2000).
  - c. MSFCMA(continued) week 3

A. Statutory Provisions  
MSFCMA section (§) 302  
NMFS's National Standard Guidelines, pp. 3-26  
NMFS's regulation on "Contents of Fishery Management Plans," 50 C.F.R. section (§) 600.815  
MSFCMA sections (§§) 301, 303, 304(a)-(c) & (e), 305(a)-(d)  
Joseph J. Kalo, et al., (eds.), Coastal and Ocean Law – excerpt.

B. Relationship between the Councils and National Marine Fisheries Service  
*Fishing Company of Alaska, Inc. v. Gutierrez*, 510 F.3d 328 (D.C. Cir. 2007)

C. Overfishing (revisited): the requirement to rebuild overfished stocks  
*Natural Resources Defense Council v. National Marine Fisheries Service*, 421 F.3d 872 (9th Cir. 2005).

D. Essential Fish Habitat (EFH): identifying and protecting EFH.  
*American Oceans Campaign v. Daley*, 183 F.Supp.2d 1 (D.D.C. 2000)  
*Natural Resources Defense Council v. Evans*, 254 F.Supp.2d 434 (S.D.N.Y. 2003)  
*Natural Resources Defense Council v. Daley*, 209 F.3d 747 (D.C. Cir. 2000).
  - d. MSFCMA(continued) week 4

A. Statutory Provisions and Related Material  
NMFS's regulation on "Contents of Fishery Management Plans," 50 C.F.R. section (§) 600.815  
NMFS's National Standard Guidelines, pp. 43-45  
MSFCMA sections (§§) 2(c), 3(2) and (10), 301, 303(a)(7) and (11), 305(b)  
Fishery Management Plan for Groundfish of the Bering Sea and Aleutian Islands Management Area (Dec. 2009), read pp. 1-17

B. Essential Fish Habitat (EFH): identifying and protecting EFH.  
*American Oceans Campaign v. Daley*, 183 F.Supp.2d 1 (D.D.C. 2000)  
*Natural Resources Defense Council v. Evans*, 254 F.Supp.2d 434 (S.D.N.Y. 2003)

C. Bycatch  
*The Ocean Conservancy v. Gutierrez*, 394 F.Supp.2d 147 (D.D.C. 2005)  
*National Coalition for Marine Conservation v. Evans*, 231 F.Supp.2d 119 (D.D.C. 2002)
  - e. Regulatory Flexibility Act, Executive Order 12866, Executive Order 12899 week 5

NMFS (2000) Guidelines for economic analysis of fishery management actions  
NMFS 2007) Guidance for Social Impact Assessment



- OMB (2003) Circular A-4  
 McDeavitt, M.J. 2001. Impact of the Regulatory Flexibility Act on the implementation and judicial review provisions of the MSFCMA  
 E.O. 12866, E.O. 12291, E.O. 12898, E.O. 13175
- f. MSFCMA(continued) week 6
- A. Quota Programs
- Alliance Against IFQs v. Brown*, 84 F.3d 343 (9th Cir. 1996).  
*Fisherman's Finest, Inc. v. Locke* (9th Cir. 2010).  
 Becky Mansfield, *Rules of Privatization: Contradictions in Neoliberal Regulation of North Pacific Fisheries*  
 Peter Schikler, Has Congress Made It Harder to Save the Fish? An Analysis of the Limited Access Privilege Program (LAPP) Provisions of the Magnuson-Stevens Fishery Conservation and Management Reauthorization Act of 2006, *New York University Environmental Law Journal* (2008).  
 Daniel W. Bromley, Rights-Based Fishing: The Wrong Concept and the Wrong Solution for the Wrong Problem, in *Pew Oceans Commission, Managing Marine Fisheries in the United States* (2003) at pp. 35-39.  
[\[http://www.pewtrusts.org/our\\_work\\_report\\_detail.aspx?id=30045\]](http://www.pewtrusts.org/our_work_report_detail.aspx?id=30045)
- B. Review MSA provisions and case law and be prepared to discuss hypothetical examples in class.
- g. NEPA week 7
- A. Overview
- Ronald E. Bass, et al., *The NEPA Book*, Chapter 1.  
 The *National Environmental Policy Act*, Sections 101-103 only (pay close attention to section 102(C))  
 The *Council on Environmental Quality's Regulations*: 40 CFR parts 1500-1518
- B. The Requirement to Prepare Environmental Impact Statement (EIS)
1. Is It a Major Federal Action?  
*Kleppe v. Sierra Club*, 427 U.S. 390 (1976)
  2. Does It Significantly Affect the Quality of the Human Environment?  
*Grand Canyon Trust v. Federal Aviation Administration*, 290 F.3d 339 (D.C. Cir. 2002)
  3. Mitigating to a Finding of No Significant Impact.  
*Spiller v. White*, 352F.3d 235 (5th Cir. 2004).
  4. Is the EIS Adequate?  
*Robertson v. Methow Valley Citizens Council*, 490 U.S. 332 (1989)
  5. Supplementing the EIS  
*Marsh v. Oregon Natural Resources Council*, 490 U.S. 360 (1989)
- h. ESA week 8
- A. Overview
1. Introduction to the ESA  
*Tennessee Valley Authority v. Hill*, 437 U.S. 153 (1978)
  2. Sections 4 and 7 of the ESA – Listing of Species, Designation of Critical Habitat, and the Duty to Consult  
 Donald C. Bauer and Wm. Robert Irvin, eds., *Endangered Species Act: Law, Policy and Perspectives* (2nd ed.), pp. 1-6, 17-21, 105-116, 22-35, 41-62, 117-121
- B. ESA Listing Decisions
1. Listing Decision: Determining Whether the Species Is Threatened or Endangered in a Significant Portion of Its Range,  
*Defenders of Wildlife v. Norton*, 258 F.3d 1136 (9th Cir. 2001)
  2. Listing/De-Listing Decisions: Listing Less Than the Entire Species,  
*Defenders of Wildlife v. Salazar*, 2010 WL 3084194 (D. Mont. 2010)
- i. Problems in Federal Fisheries Management week 9
- A. The Endangered Stellar Sea Lion and the Bering Sea Fisheries  
*Greenpeace v. NMFS*, 55 F.Supp.2d 1248 (W.D. Wash. 1999)

B. Navy Sonar

Section 101 of the *Marine Mammal Protection Act* (MMPA)  
*Natural Resources Defense Council v. Evans*, 279 F.Supp.2d 1129 (N.D. Cal. 2003)

Exam 1 will be given out at the end of week 9 and due at the beginning of week 10.

2. **Alaska State Fisheries Law**

- a. The Alaska Constitution and fisheries management week 10

Article VIII of the Alaska Constitution. Compare Article VIII (paying particular attention to §3) to Title VIII of the Alaska National Interest Lands Conservation Act (ANILCA).

*State v. Ostrorsky*, 667 P.2d 1184 (1983).

*CTEC v. Apokedak*, 606 P.2d 1255 (1980).

*State of Alaska v. Grunert*, 109 P. 3d 924 (2005).

- b. Alaska statutes and regulations relating to fisheries management week 11

The "Nuts and Bolts of Testifying Before the Board of Fisheries," Sue Aspelund.

The 1883 Organic Act – An Act Providing a Civil Government for Alaska.

3. **International Fisheries Law**

- a. International Treaties and Conventions week 12

FAO Circular No. 1054, The Role of International Fishery Organizations and Other Bodies in the Conservation and Management of Living Aquatic Resources

(<http://www.fao.org/docrep/012/i1493e/i1493e.pdf>)

Cerne, M. 1996. Enforcement aspects of the agreement for the implementation of the provisions of the United Nations convention on the law of the sea of 10 December 1982 relating to the conservation and management of straddling fish stocks and highly migratory fish stocks.

- b. UN Convention on the Law of the Sea weeks 13 & 14

UNCLOS has been in force since 1994. Although the US is not a signatory, the US has parallel domestic legislation for key provisions related to extended jurisdiction, pollution, transportation, and fisheries.

4. **Enforcement**

- a. Structure and function of enforcement in State, Federal, and International fisheries week 15

FAO International plan of action to prevent, deter and eliminate illegal, unreported and unregulated fishing  
(<http://www.fao.org/docrep/003/y1224e/y1224e00.HTM>)

Coast guard fisheries enforcement strategic plan Ocean Guardian

(<http://www.uscg.mil/hq/cg5/cg531/lmr.asp>)

NOAA OLE ([http://www.nmfs.noaa.gov/ole/ole\\_about.html](http://www.nmfs.noaa.gov/ole/ole_about.html))

NOAA OLE Alaska Division ([http://www.nmfs.noaa.gov/ole/ak\\_alaska.html](http://www.nmfs.noaa.gov/ole/ak_alaska.html)).

Exam 2 will be given out at the end of week 15 and due at end of the scheduled final exam period.

**Keith Criddle**

---

**From:** Jonathan Rosenberg <jrosenberg@alaska.edu>  
**Sent:** Thursday, March 17, 2011 12:00 PM  
**To:** kcriddle@sfos.uaf.edu  
**Subject:** Fwd: FW: course impacts

Hi Keith,

I am forwarding you Pia's and Chanda's replies. They are both strongly supportive. Please let us know if/when the course is approved. It is something we would recommend to our grad students.

Best,  
Jonathan

----- Forwarded message -----

**From:** Chanda Meek <clmeek@alaska.edu>  
**Date:** Thu, Mar 17, 2011 at 11:43 AM  
**Subject:** Re: FW: course impacts  
**To:** Jonathan Rosenberg <jrosenberg@alaska.edu>  
**Cc:** Pia Kohler <pmkohler@alaska.edu>

Dear Jonathan and Pia,

This does not overlap any of my offerings -- now or near future, and would be a good addition for our arctic policy students to be able to take. If we offer a marine policy seminar in the future, it would be broader than fisheries. I will be back in the office on Tuesday.

Chanda

On Thu, Mar 17, 2011 at 11:21 AM, Jonathan Rosenberg <jrosenberg@alaska.edu> wrote:  
Hi Pia and Chanda,  
Please look this over and give me your input ASAP so I can get back to Keith.

Thanks,  
Jonathan

----- Forwarded message -----

**From:** Keith Criddle <kcriddle@sfos.uaf.edu>  
**Date:** Thu, Mar 17, 2011 at 8:40 AM  
**Subject:** FW: course impacts  
**To:** jrosenberg@alaska.edu

Hi Jonathan,

Amy told me to redirect my request to you. I am preparing a new class proposal for the curriculum council and need to include feedback from potentially impacted programs. The class has a law component, so it was recommended that I contact PoliSci and NRM. Please let me know if this class

duplicates course offerings in your department or if you perceive that it might otherwise impact your courses or programs. Regards,

Keith Criddle

-----Original Message-----

From: Keith Criddle [mailto:[kcriddle@sfos.uaf.edu](mailto:kcriddle@sfos.uaf.edu)]

Sent: Wednesday, March 16, 2011 12:26 PM

To: 'Amy Lovecraft'

Cc: Keith R. Criddle

Subject: course impacts

Hi Amy,

I am preparing paperwork for approval of a course "Law and Fisheries" that was offered last Fall on a trial basis. Would you please review the attached syllabi and comment on how these classes might affect your program?

Regards,

Keith

--

Jonathan Rosenberg, PhD  
Professor of Political Science  
University of Alaska Fairbanks  
Fairbanks, AK 99775-6420  
tel. [907-474-6502](tel:907-474-6502)

--

Dr. Chanda Meek  
Department of Political Science  
PO Box 756420  
University of Alaska  
Fairbanks, Alaska 99775  
tel: [\(907\) 474 5115](tel:907-474-5115)  
[clmeek@alaska.edu](mailto:clmeek@alaska.edu)

--

Jonathan Rosenberg, PhD  
Professor of Political Science



**DEPARTMENT OF RESOURCES MANAGEMENT**

SCHOOL OF NATURAL RESOURCES AND AGRICULTURAL SCIENCES  
P.O. Box 757200  
Fairbanks, AK 99775-7200

907 474-7188  
FAX 907 474-6184  
[www.uaf.edu/salrm/rm/index.html](http://www.uaf.edu/salrm/rm/index.html)

**FROM:** Joshua Greenberg, Chair,  
NRS PhD Program

**DATE:** March 24, 2011

**SUBJECT:** Course contribution

---

As Chair of the NRS PhD program, I would like to express our support for the three courses being offered by Dr. Keith Criddle: FISH 670 Quantitative Analysis and Marine Policy, FISH 645 Bioeconomic Modeling and Fisheries Management, and Fish 672 Law and Fisheries. These courses have great relevance and application to the NRS PhD program thematic areas of resource economics, and resource policy and sustainability science. We appreciate the broadening of the UAF course offerings to include human interaction with marine resources. Students in our program have taken advantages of these courses in the past and based upon student feedback will continue to participate in these courses in the future. Dr. Criddle is valued affiliate faculty with our program and we appreciate the contribution he has made to our program through these courses.

## Keith Criddle

---

**From:** Joseph Little <jmlittle2@alaska.edu>  
**Sent:** Tuesday, March 29, 2011 9:21 AM  
**To:** kcriddle@sfos.uaf.edu  
**Subject:** Re: course impacts

Hi Keith,

I have reviewed the course syllabi you have sent but got delayed on the write up while finishing up some paper revisions. My apologies.

The proposed courses, Fish 670 (Quantitative Analysis for Marine Policy Decisions), Fish 645 (Bioeconomic Modeling and Fisheries Management, and Fish 672 (Law and Fisheries), would positively impact the MSRAE. The quantitative analysis courses (Fish 670 and Fish 645) provide additional elective opportunities which students could use to further hone their applied analysis skill sets. Fish 672 would also be useful to MSRAE students who are seeking to expand their knowledge of the laws and regulations which guide Fisheries management. The only limitation that I can see, is that Fish 672 is a two credit course. While this is a minor point, MSRAE students who opt to take the course may need to register for additional credits (e.g., project or thesis) to satisfy program requirements. Again, this is a small matter. Overall, each of the courses display a level of analytical rigor which is consistent with the MSRAE coursework. Expanded course opportunities would particularly benefit students who are conducting research in the area of Fisheries economics.

Again I apologize for the delayed response. I hope you are enjoying your spring semester. Take care. -Joe

On Tue, Mar 29, 2011 at 6:44 AM, Keith Criddle <kcriddle@sfos.uaf.edu> wrote:

> Hi Joe,

>

> Have you had a chance to review these syllabi for possible impacts?

>

> Keith

>

> -----Original Message-----

> From: Joseph Little [mailto:jmlittle2@alaska.edu]

> Sent: Wednesday, March 16, 2011 2:25 PM

> To: kcriddle@sfos.uaf.edu

> Subject: Re: course impacts

>

> Hi Keith,

>

> I'd be glad to help. Do you need the impact summaries prepared in a particular format? I hope you are enjoying some nice weather. Take care.

> -Joe

>

> On Wed, Mar 16, 2011 at 12:36 PM, Keith Criddle

> <kcriddle@sfos.uaf.edu>

> wrote:

>> Hi Joe,

>>

>> I am preparing paperwork for approval of three courses that have  
>> hitherto been offered as trial courses. "Bioeconomic Modeling and  
>> Fisheries Management" has been offered in Spring 2007, Spring 2009,  
>> and

> Spring 2011.  
>> "Quantitative Analysis for Marine Policy Decisions" was offered in  
>> Fall 2008. "Law and Fisheries" was offered in Fall 2010. Would you  
>> please review the attached syllabi and comment on how these classes  
>> might affect the MS Resource & Applied Economics program? Regards,  
>>  
>> Keith Criddle  
>>  
>>  
>>  
>

## Keith Criddle

---

**From:** Anne Christie <anne.christie@alaska.edu>  
**Sent:** Tuesday, April 05, 2011 12:57 PM  
**To:** kcriddle@sfos.uaf.edu  
**Subject:** Re: FW: library impact of proposed course offerings

Hello Keith,

Thank you for providing the syllabi for your classes. This is very helpful for the library in providing one way to assess whether our collection is meeting faculty and student needs.

I've looked through the reading lists for the 3 courses and am glad to find that the library is able to provide a good number of the sources. Some of this is due to our JSTOR subscription as well as to complete backfiles for the Canadian Journal of Fisheries and Aquatic Sciences and the AFS journals. We recently purchased backfiles for some Elsevier journals which added a couple of titles that are on your list. Of course, as you point out, a number of the sources are freely available on the web. Based on the reading lists, I think students should be able to locate many of the sources they might need for their papers through the library collection.

I did uncover a couple of gaps which I will work on trying to fill. The most prominent is Marine Resource Economics. The library dropped its subscription at the end of 1989. It has been picked up again with 2011 but there is a big gap. Unfortunately, as far as I can tell, there is no online institutional access available. Also, we do not have the first four volumes of Natural Resource Modeling. Do you have your own access to complete runs of these two journals?

Also, the library does not subscribe to Research in Economic History.

I also found a few books that we are missing.

Sustainable Management of North American Fisheries 2004.

Kalo -- Coastal and Ocean Law

Endangered Species Act: Law, Policy and Perspectives

Loomis and Helfand -- Environmental Policy Analysis for Decision Making.

I will follow up on these.

The library's Electronic Reserves (E-Res) service can be used to provide scans of articles and book chapters (not the entire book) so that students have 24/7 access. This could be an alternative to posting in Blackboard which might save you some time. Please let me know if you have questions about this.

I noted edits for a couple of listings.

1. FISH 645

Page 3 in d.

Spatial Processes and the Management of Fish Populations -- is Marine Populations

2. FISH 670

Page 2

Pub year for McDaniels TL is 1995 rather than 1994.

Page 5.

Sueng CK. 2005, A review of regional economic models for Alaska fisheries. AFSC processed report. 2005-01. (There is a link to a pdf of this report from the library catalog.)

Again, thank you for providing your syllabi. It is really appreciated.

Best regards,



Anne

On Mon, Apr 4, 2011 at 3:51 PM, Keith Criddle <[kcriddle@sfos.uaf.edu](mailto:kcriddle@sfos.uaf.edu)> wrote:

Thanks Anne. Tomorrow will be fine.

**From:** Anne Christie [mailto:[anne.christie@alaska.edu](mailto:anne.christie@alaska.edu)]  
**Sent:** Monday, April 04, 2011 3:49 PM

**To:** [kcriddle@sfos.uaf.edu](mailto:kcriddle@sfos.uaf.edu)  
**Subject:** Re: FW: library impact of proposed course offerings

Hello Keith,

Apologies for getting wires somewhat crossed on and I am just back after being out of town. I have the syllabi and will get back to you by the end of tomorrow. Hope that's OK.

Best regards,

Anne

On Tue, Mar 29, 2011 at 6:42 AM, Keith Criddle <[kcriddle@sfos.uaf.edu](mailto:kcriddle@sfos.uaf.edu)> wrote:

Hi Anne,

Have you had a chance to look at these syllabi for possible library impacts?

Keith

**From:** Karen Jensen [mailto:[kljensen@alaska.edu](mailto:kljensen@alaska.edu)]  
**Sent:** Tuesday, March 22, 2011 9:24 AM

**To:** [kcriddle@sfos.uaf.edu](mailto:kcriddle@sfos.uaf.edu)  
**Subject:** Re: library impact of proposed course offerings

Okay!

Karen Jensen  
Collection Development Officer  
Rasmuson Library  
University of Alaska Fairbanks  
907-474-6695  
kljensen@alaska.edu

On Tue, Mar 22, 2011 at 9:19 AM, <[kcriddle@sfos.uaf.edu](mailto:kcriddle@sfos.uaf.edu)> wrote:

Hi Karen. Thank you for getting back to me. At this point, all I need is an okay to include with my request for course approval. Regards, Keith

Sent via BlackBerry by AT&T

---

**From:** Karen Jensen <[kljensen@alaska.edu](mailto:kljensen@alaska.edu)>

**Date:** Tue, 22 Mar 2011 09:12:21 -0800

**To:** <[kcriddle@sfos.uaf.edu](mailto:kcriddle@sfos.uaf.edu)>

**Subject:** Re: library impact of proposed course offerings

Hi Keith

Sorry I'm delayed getting back to you; I was out on vacation last week. Do you need a full report of library materials for these course proposals? That can take a while but I'm certainly willing to do it. Otherwise if you only need an "ok" from us, I'll forward the syllabi to Anne Christie, our BioSciences Librarian and she can contact you with any concerns or questions.

Thanks,

Karen Jensen  
Collection Development Officer  
Rasmuson Library  
University of Alaska Fairbanks  
907-474-6695  
kljensen@alaska.edu

On Wed, Mar 16, 2011 at 11:58 AM, Keith Criddle <[kcriddle@sfos.uaf.edu](mailto:kcriddle@sfos.uaf.edu)> wrote:

Hi,

I have attached syllabi for three proposed courses. All three have been previously offered as trial or special topic courses. Please comment on the adequacy of library/media collections, equipment, and services available for the proposed courses. Thank you,

Keith R. Criddle

## **Curriculum Committee SFOS**

Members: Trent Sutton (Chair)  
Katrin Iken  
Jeremy Mathis  
Andre Lopez

22 February 2011

### **New Course**

**Course Number:** FISH 672

**Course Title:** Law and Fisheries

**Instructor:** Criddle

**First Time of Offering:** No

---

### **General Recommendations:**

This course is listed as being offered as a two-credit course. The SFOS Curriculum Committee felt that the workload required in this course more closely aligned with what would be expected for a three-credit course (the workload is very similar, if not greater than, what is required for FISH 645 and 670). Please provide justification as to why this course should only be offered as a two-credit course. This course meets 2 hours per week and has workload requirements that should entail about 6 hours per week out of class. In contrast, FISH 645 and FISH 670 meet 3 hours per week and have workload requirements that will entail at least 10 hours per week out of class. In addition to readings, FISH 645 and FISH 670 require homework assignments that entail construction of complicated computer models.

### **Faculty Senate Form:**

#### **Clarify and Address the following:**

- The catalog description (section 10) must appear as it will in the actual catalog; you must include the prerequisite, and course format (e.g., 2+0); you only had the title, credits, and course description. Your course description is not very descriptive; please provide additional detail (note that this is a requirement of the UAF Curriculum Committee that is requiring more descriptive course descriptions). Done. The description includes as much detail as can be included in 50 words or less as specified on the form.
- Section 14. For graduate courses, the UAF Curriculum Committee wants to see prerequisites listed. For example, could any graduate student, regardless of discipline and background, enroll in this course? If not, what basic course(s) should students have taken prior to taking this course? This course does not require specialized preparatory coursework. It requires maturity of thought and ability to express those thoughts orally and in writing. Students enrolled in the Fall 2010 trial version of this course included FISH MS and PhD students. Non-degree-seeking professionals with state and federal resource management agencies (some of these professionals held graduate degrees in Fisheries,

Economics, or Resource Management, others held bachelor's degrees). None of the students had prior background in Law nor did they share a common background in Fisheries, Economics, or Resource Management.

- Section 19. Even though this course has been offered previously, you still must contact the library to ensure that sufficient resources are still available. Contacting the library also ensures that they maintain current subscriptions and book purchase relative to the material covered in this course. You reference an email, but none was attached to this course proposal. Was this the one that was attached to FISH 645? Addressed. See new email from Anne Christie.
- Section 20. The quote that you provided for Joshua Greenberg in this section does not correspond to what he stated in the attached email from him. In Dr. Greenberg's email, he did indicate that there would be some overlap in course content with your course, but that would not be a problem. Addressed. See new emails from Joshua Greenberg, Joe Little, and Johnathan Rosenberger.
- Section 21. You list the positive impacts but state nothing potential negative impacts. Are there any? If not, then need to state something to this effect. Addressed.
- Justification. You listed FISH 418, but that course may no longer be a course listed in the catalog (all courses that had not been offered in several years were removed in the past year in an attempt by the Provost's Office to clean up moldy course. This course might have been a casualty of that effort. Addressed.

#### **Syllabus:**

- Office hours have to be provided and posted, cannot be just by appointment. Addressed.
- Course goals and learning objectives need to be moved up to just below the first paragraph. Course learning objectives looked good. In the paragraph above the learning objectives, you again listed FISH 418. Addressed.
- Please note on the course outline when the various assignments will be due. You need to provide grading criteria – how many points each assignment is worth, total points in the course, how many points needed for each grade (A, B, C, etc.), and whether you are using a plus-minus system. If this is the case, need to provide specific criteria for each grade (e.g., number of points or percentile for an A, A-, etc.). Addressed.