

FORMAT 1

Submit original with signatures + 1 copy + electronic copy to UAF Governance.
See <http://www.uaf.edu/uafgov/facultyed> for a complete description of the process.

TRIAL COURSE OR NEW COURSE PROPOSAL

SUBMITTED BY:

Department	Fisheries Division	College/School	SEOC
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11. COURSE CLASSIFICATIONS:

H - Humanities

S - Social Sciences

20. IMPACTS ON PROGRAMS/DEPTS

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

ATTACH COMPLETE SYLLABUS (as part of this application).

Note: The guidelines are online <http://www.uaf.edu/information/academic/ed/syllabus.html>

The department and campus wide curriculum committees will review the syllabus to ensure that each of the items listed below are

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):

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:

ETCU 645: Bioeconomic Modeling and Fisheries Management

(3 credits)

Instructor:

Dr. Keith R. Criddle

Course Information

kcriddle@ecu.edu

706.5440

ED 002

Course policies: Plagiarism or cheating on the exam is automatic grounds for failing course grade. Students may work discuss the homework assignments with one another but are expected to do their own work.

Disabilities Services: The office of Disability Services implements the Americans with Disabilities Act (ADA), and insures that IIR students have equal access to the campus and course materials. For more information, see the ADA website at www.dhs.gov.

COURSE OUTLINE & READING ASSIGNMENTS:

1. The economics of production from natural resources Weeks 1&2
- a. Types of Natural Resources: Exhaustible, Recyclable, Renewable
 - b. Types of Benefits Derived from Natural Resources: Use, Option, Vicarious
 - c. Market Failure: Externalities, Public Goods, Asymmetric Information, Market Power
- * Coase RH. 1960, The problem of social cost. *Journal of Law and Economics* 3: 1-44.

Buchanan JM Stubblebine WC 1962. Externality. *Economica* 29: 371-384.
Demsetz H. 1967. Toward a theory of property rights. *American Economic Review* 57: 347-359.

and Economics 18: 163-179.

* Akerlof GA 1970. The market for "lemons": quality uncertainty and the market mechanism. *Quarterly Journal*

* Higgs R. 1982. Legally induced technical regress in the Washington salmon fishery. *Research in Economic History* 7:55-86.

* Anderson TL Hill PJ 1990. The race for property rights. *Journal of Law and Economics* 33: 177-197

* Dietz T Ostrom E Stern PC 2003. Struggle to govern the commons. *Science* 302: 1907-1912

b. Limited Entry

c. IFQs

*Hannesson R 1996. On ITQs. *Reviews in Fish Biology and Fisheries* 6:91-96.

National Research Council. 1999. *Sharing the Fish: Toward a National Policy on Individual Fishing Quotas*, National

Research Council, National Academy Press, Washington, DC, 400 pp.

d. TURFS

* Acheson JM. 1975. Lobster fiefs—economic and ecological effects of territoriality in the Maine lobster

10. Comparative Static Analyses of Multiple Use Bioeconomic Systems

Week 13

McConnell KE & JG Sutinen. 1979. Bioeconomic models of marine recreational fishing. *Journal of Environmental Economics and Management* 6: 127-139.

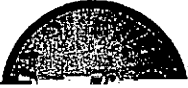
Bishop RC & KC Samples. 1980. Sport and commercial fishing conflicts: theoretical analysis. *Journal of*

* Edwards SF 1991. Critique of 3 economics arguments commonly used to influence fishery allocations. *North American Journal of Fisheries Management* 11:121-130.

Easley JE Jr. 1992. Selected issues in modeling allocation of fishery harvests. *Marine Resource Economics* 7: 41-56.

* Criddle KR. 2004. Economic principles of sustainable multi-use fisheries management, with a case history
economic models for Pacific halibut. Pages 143-174 in D.D. McDonald and B.E. Kendall (editors)

Sustainable Management of North American Fisheries, American Fisheries Society, Bethesda, MD.



DEPARTMENT OF RESOURCES MANAGEMENT
SCHOOL OF NATURAL RESOURCES AND AGRICULTURAL SCIENCES

SCHOOL OF NATURAL RESOURCES
& AGRICULTURAL SCIENCES

FROM: Joshua Greenberg, Chair,
NRS PhD Program

DATE: March 24, 2011

SUBJECT: Course contribution

A handwritten signature in black ink, appearing to be 'J. Greenberg', located to the right of the 'FROM' and 'DATE' fields.

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 are Fish 670 (Quantitative Analysis for Marine Policy Decisions) Fish 645 (Bioeconomic Modeling and



> Spring 2011.

>> "Quantitative Analysis for Marine Policy Decisions" was offered in

>> please review the attached syllabi and comment on how these classes

>>
>> 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: EW: 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

Anne

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

Thanks Anne. Tomorrow will be fine.

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

To: 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> wrote:

Hi Anne



Have you had a chance to look at those syllabi for possible library impact?







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> 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>

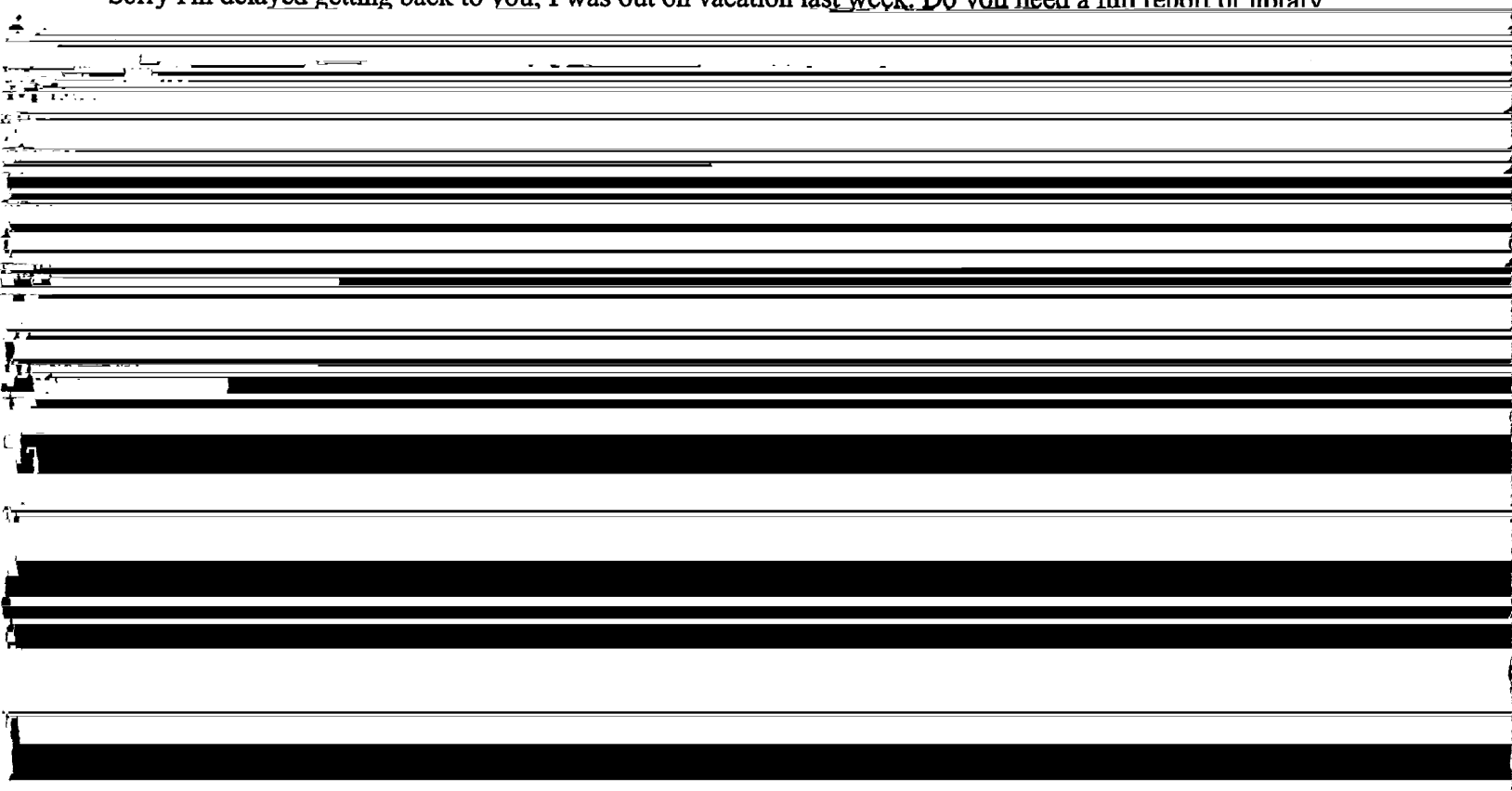
Date: Tue, 22 Mar 2011 09:12:21 -0800

To: <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



Interior Administrative Division

University of Alaska Fairbanks Fisheries Division
kriddle@sfos.uaf.edu

Curriculum Committee SFOS

Members: Tom Criddle (Chair)

Katrin Iken
Jeremy Mathis
Andre Lopez

22 February 2011

New Course

Course Number: FISH 645

Course Title: Bioeconomic Modeling and Fisheries Management

Instructor: Criddle

First Time of Offering: No

General Recommendations:

No general comments.

Faculty Senate Form:

Clarify and Address the following:

- FISH 645 (this course) and FISH 670 are listed to be offered in alternate years starting in spring 2012. Are those two courses really to be offered during the same semester or are they to alternate (one in spring of odd years, one in spring of even years). This has been resolved. FISH 645 will be offered in even years and FISH 670 will be offered in odd years.
- For section 8, please select the box for 6 weeks to a full semester. Done.
- The catalog description (section 10) must appear as it will in the actual catalog; you must include the title, credits, prerequisites, and course format (e.g., 3+0); you only had the course description. Your course description is not correct.

Syllabus:

- FISH 670 lists a meeting time of TR from 3:40 to 5:10. If this course (FISH 645) and FISH 670 are to be offered in the same semester (starting spring 2012), then the days/time that the courses are offered cannot be the same. Addressed
- 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