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FORMAT 1

Submit original with signatures + 1 copy + electronic copy to UAF Governance

TRIAL COURSE OR NEW COURSE PROPOSAL

SUBMITTED BY:

Department	**MSL**	**College/School**	**SFOS**
Prepared by	**Peter Winsor**	**Phone**	**907 474 7740**
Email Contact	**pwinsor@alaska.edu** **clneumann@alaska.edu**	**Faculty Contact**	**Peter Winsor**

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

2. COURSE IDENTIFICATION: Dept [MSL] Course # [403] No. of Credits [3]

11. COURSE CLASSIFICATIONS: (undergraduate courses only. Use approved criteria found on Page 10 & 17 of the manual. If

[redacted]

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

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 [ ]

12. COURSE REPEATABILITY:

Is this course repeatable for credit? **YES** [ ] **NO** [X]

Justification: Indicate why the course can be repeated [redacted] Course is not repeatable

JUSTIFICATION FOR ACTION REQUESTED

The purpose of the department and campus-wide curriculum committees is to scrutinize course change and new course

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

[redacted]

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):

[redacted]

Revised Jan 5th 2011 PW

MSL 403 ESTUARIES OCEANOGRAPHY
Syllabus – Autumn Semester 2012

Instructor:
Dr. Peter Winsor, Associate Professor of Marine Science.
[redacted]

Phone: 474-7740
Email: pwinsor@sfos.uaf.edu

Office hours:
Monday, Wednesday and Friday 11-12 am. In addition, you can also see me at the end of class and we will either meet then, or set up an appointment to meet later. Generally, email is an excellent way to get in touch with me. You may also call or e-mail for an appointment. If you leave a voicemail, please include your e-mail address in your message.

Course Description
[redacted]

The course will consist of lectures, reading assignments, student-led discussions of research papers and occasional guests. Students will write a number of short

essays based on the reading, and a longer paper on a topic of their choice. Students will give a short presentation on their final paper in the last week. There will be a final exam. Each core lecture is followed by assignments and mandatory written work by each student.

Class is given on Monday, Wednesday and Friday at 10:15-11:15. Monday's are usually devoted to lectures, Wednesday's we go through literature and reading assignments, and Friday's are devoted to student presentations and discussions.

This course will give the students knowledge of [redacted]

[redacted]

intended as practice in analytical, critical reading and writing. Detailed comments will be given on each student's essays

There will also be four Quizzes given during the semester based on the topics covered in the class. Extra credit writing assignments will be handed out. These are for extra credit only and are not required.

Class participation

Students are expected to attend class. During a recent semester, even though there was no direct penalty for non-attendance, the average success of students who did not attend [redacted]

The grading policy will not use (+/-) values.

The grading scale is based in 10% steps. The instructors may adjust the grade boundaries somewhat, if warranted based on evidence of student participation and learning. This rarely occurs except at the lower boundaries for C and D grades.

MSL 403 ESTUARIES OCEANOGRAPHY
Tentative Schedule

[redacted]

- *Wesson and Gregg (1994) Gibraltar*
- [redacted]

- Chesapeake Bay
- *Tyler and Seliger (1989) Bio-physical Interactions*
- *Carter and Pritchard (1988) Chesapeake Overview*
- *Dyer (1997), Chapter 9.*

Week 6: Fjords

- Puget Sound
- *Cokelet et al. (1991) Pollution Ages in PS*
- *Ebbesmeyer et al. (1988) PS Overview*
- *Lavelle et al. (1991) Dense Flow over Admiralty Inlet*
- *Dyer (1997), Chapter 8.*

Week 7: Well-Mixed Estuaries, Salt Wedges, and Other Effects

- San Francisco Bay
- *Conomos et al. (1985) SF Bay Overview*
- *Walters et al. (1985) Time Scales of Flow in SF Bay*
- [redacted]

- Ebbesmeyer, C. C., J. Q. Word, and C. A. Barnes, 1988: Puget Sound: a fjord system homogenized with water recycled over sills by tidal mixing.

Press, 17-30.

- Gower, W. R., and C. A. Garmon, 1982: Sill processes related to deep water

renewal in a fjord. J. Geophys. Res., 87, 7985-7996.

- Gower, W. R., and D. M. Farmer, 1980: Tide induced variation of the dynamics of

Curriculum Committee SEOS

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

08 December 2010

New Course
Course Number: MSL 403
Course Title: Estuaries
Instructor: Winsor
First Time of Offering: Yes

General Recommendations:

On the last page of the course proposal form is a checklist of components to be included in the syllabus. Be sure to go through this checklist to make sure all components are addressed. Failure to do so could result in the delay of getting this course proposal

c. Estimated impact. Will this course be taught as part of your regular workload?