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		TRIAL COUR	RSE OR NEW COURSE PROP	OSAL .	1
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	SUBMITTED BY:				
	Department	MSL	College/School	SFOS	
	Prepared by	Peter Winsor	Phone	907 474 7740	
	Email Contact	<u>pwinsor@alaska.edu</u> clneumann@alaska.edu	Faculty Contact	Peter Winsor	
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		SIRED (CHECK ONE):	Trial Course	New Course X	ı
	2. COURSE ID	ENTIFICATION: Dept	MSL Course #	No. of Credits 3	
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		Note: The guidelines are online: http://www.uaf.edu/uafgov/faculty/cd/syllabus.html
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## MSL 403 ESTUARIES OCEANOGRAPHY Syllabus – Autumn Semester 2012

### Instructor:

Dr. Peter Winsor, Associate Professor of Marine Science.

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**

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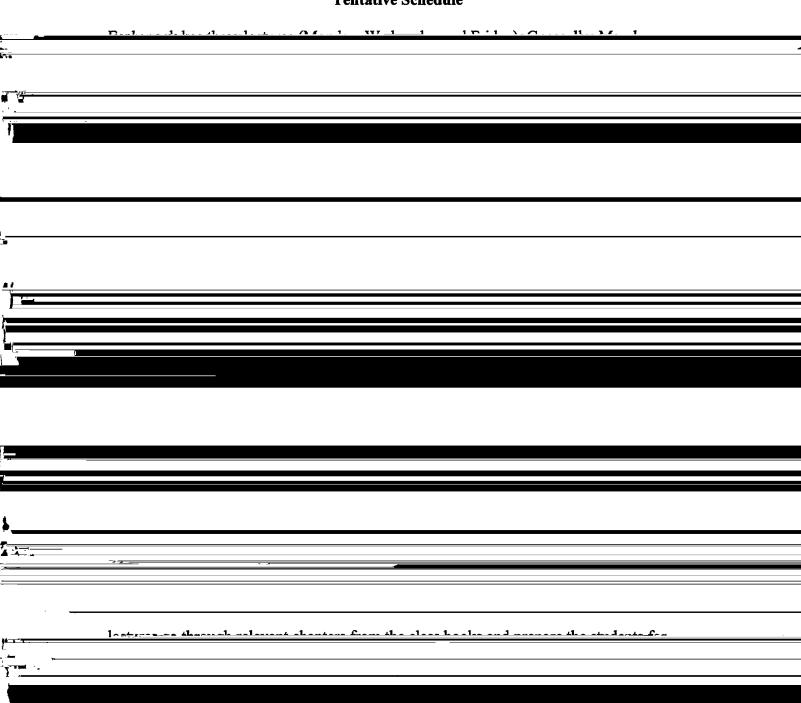
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	essays based on the reading, and a longer paper on a topic of their choice. Students will
	give a short presentation on their final paper in the last week. There will be a final exam.
	Each core lecture is followed by assignments and mandatory written 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.
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	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	
t ·	The direct penalty for non-attendance, the average success of students who did not attend	
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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



- 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
- Fragas Pinas Colombia Diam

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. Congression and A Common 1000 will managed and and the down weeter

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

- Conver W. D. and D. M. Formar. 1090: Tide induced variation of the de-

## 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

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### **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

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