

## **MSL 463: Chemical Coastal Processes**

**Background Readings.** There is no required textbook. Reading assignments will come from several books and the primary literature. Chapter textbooks will be found on eReserves (<http://eres.uaf.edu/eres/default.asp>) PASSWORD: TBA. Primary literature articles will be obtained from the library (<http://library.uaf.edu/findarticles>) Contact the instructor or a librarian if you need help obtaining articles.

**Student Presentations:** All students will make an oral presentation that highlights findings from a chosen journal article addressing a chemical process within an Alaskan/Arctic coastal region (topic

### Support and Disability Services

At UAF, the Office of Disability Services (203 WHIT; 474-5655; TTY 474-1827; [fydso@uaf.edu](mailto:fydso@uaf.edu)) ensures that students with physical or learning disabilities have equal access to the campus and course materials. If you have special needs, please contact this office or the instructor to make arrangements.

### Lecture Schedule (Subject to change)

Week	Date	Lecture Topic	Assignment	Reading
1		Introductions, overview, logistics		
2		Coastal zone classification review		Open University Ch. 5-8
		Chemical composition and mixing		
3		Residence time and input variability		

- Libes, S.M. (1992) An introduction to Marine Biogeochemistry, John Wiley & Sons, Inc., New York, 734 pp.
- Melnikov, I.A. (1997) The Arctic Sea Ice Ecosystem. Gordon and Breach Science Publishers, Amsterdam, 204 pp.