ORE 601 Syllabus
Ocean and Resources Engineering Laboratory
“Observational Methods”

Spring Semester, 2013
Holmes Hall 241
Class Meeting times: Monday/Friday 1:30-4:30
No class on 1/21, 2/18, 3/25-29

Instructor: Dr. Lora Van Uffelen
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Catalogue Course Description:
Design, construction and evaluation of an engineering system. Laboratory and field experience and data analysis supplemented with appropriate theory. Pre: 603 and 607.

Course Objectives:
• Understand theoretical and practical aspects of making measurements in the ocean
• Become familiar with oceanographic instrumentation being used today
• Obtain hands-on experience designing and deploying a mooring system
• Learn to perform basic spectral analysis

Text: No textbook required. Readings may be assigned periodically.

Course Website:
http://www.soest.hawaii.edu/ore/faculty/vanuffelen/ORE601.html

Topics:
Oceanographic Instrumentation
Measurement Platforms
Experimental Design
Data Collection/Sampling
Spectral Analysis

Assessment*:
Attendance and Participation: 10%
Coursework: 25%
Presentations: 25%
Project 40%

* Subject to allocation adjustment as course evolves.
Grading Policy: Late assignments will be docked by 10% per day up to 5 days.