OCN750 – Microbial Biography
Fall 2007

Monday 9:00-10:00am, MSB306

http://www.soest.hawaii.edu/oceanography/zij

Instructor:
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Grading (1 unit):
100% class participation / attendance

Course Description:
The goal of this course is to read and discuss current and seminal papers in microbial biogeography. This course is open to graduate students in biological, chemical and physical oceanography as well as those in microbiology or others with interest in the subject. Students are encouraged to suggest papers for discussion or to solicit ideas from their major professors, but there is a list below to help get us started.

OBJECTIVES:
• To learn how different types of microbes are distributed in different marine environments

• To explore linkages between microbial diversity and ecosystem properties

• To examine potential physical, chemical (and biological) mechanisms responsible for these patterns
Readings:

August 21
Organization

August 27

September 3: No Class (Labor Day)
September 10: Some observations

September 17: No Class
September 24: No Class
October 1: Fine scale patterns

October 8: Basin Scale Patterns

October 15: Virus Biogeography

October 22: Metagenomic Patterns

October 29: Phylogeography

November 5: Mechanisms

November 12: No Class (Veteran’s Day)
November 19: Ecological Theory

November 26: Modeling

December 3: Open