

2013 PICES Summer School: Ocean Observing Systems and Ecosystem Monitoring

Instructors: Jack Barth (OSU), Francis Chan (OSU), Burke Hales (OSU), Shin-ichi Ito (Fisheries Research Agency, Japan), Waldo Wakefield (NOAA), Steven Rumrill (ODFW), Alicia Helms (South Slough National Estuarine Research Reserve), Cheryl Brown (U.S. Environmental Protection Agency), Kipp Shearman (OSU)

Schedule

Sunday (08/18) PM

Students arrive in Newport, OR

Dinner

Monday (08/19) AM

Welcome and Introductions

Introduction to ocean and estuary observing (Barth)

Physical Oceanography Module (Barth, Shearman, Ito)

Monday (08/19) PM

Lunch

Physical Oceanography Module continued (Barth, Shearman, Ito)

Field trip

Dinner

Q&A Discussion

Tuesday (08/20) AM

Sampling Cruise (Group 1) / Ecosystem (Group 2) / Chemistry (Group 3) / Physical Oceanography (Group 4) Labs

Tuesday (08/20) PM

Lunch

Sampling Cruise (Group 4) / Ecosystem (Group 1) / Chemistry (Group 2) / Physical Oceanography (Group 3) Labs

Dinner

Guest Lecture

Q&A Discussion

Wednesday (08/21) AM

Sampling Cruise (Group 3) / Ecosystem (Group 4) / Chemistry (Group 1) / Physical Oceanography (Groups 2) Labs

Wednesday (08/21) PM

Lunch

Sampling Cruise (Group 2) / Ecosystem (Group 3) / Chemistry (Group 4) / Physical Oceanography (Group 1) Labs

Dinner

Q&A Discussion

Thursday (08/22) AM

ARGO Floats Guest Lecture (Freeland)

Ocean Chemistry Module (Hales)

Thursday (08/22) PM

Lunch

Ecosystem Monitoring and Metabolism Module (Rumrill, Chan, Helms, Brown)

Fisheries Observing Module (Wakefield)

Dinner

Q&A Discussion

Friday (08/23) AM

Presentation preparation

Group Presentations

Friday (08/23) PM

Lunch

Field Trip

Wrap up and concluding remarks

Dinner