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