EEMB / ES 152 APPLIED MARINE ECOLOGY - Winter 2013

Lectures: Tues & Thur. 2:00 - 3:15; Bldg 387 Rm 104 or LSCF Psych 1806
Discussion Sections: Fri. 12:00 - 1:50 HSSB 2202 or Fri. 2:00 - 3:50 HSSB 4201
Class Web Site on Gauchospace: https://gauchospace.ucsb.edu (under EEMB 152)

Instructors
Russ Schmitt (schmitt@lifesci.ucsb.edu)  MSB 3314; Tuesday 3:30 - 4:30 & by appointment
Sally Holbrook (holbrook@lifesci.ucsb.edu)  MSB 3316; Thursday 3:30 – 4:30 & by appointment
Dan Okamoto (daniel.okamoto@lifesci.ucsb.edu)  MSB 1206; Friday 10 - 11 & by appointment

Course Grade Points: (300 Total):
Participation / Presentations:  40
Homework Assignments (6):  120
Grant Proposal Term Paper:  120
Final Exam (March 12):  20

NO LATE HOMEWORK (DUE AT START OF SECTION) OR TERM PAPERS ACCEPTED

Week  Date  Lecture Topic  Lecture Location
1  Jan 8  Introduction & Population Dynamics  Bldg 387 Rm 104
   Jan 10  Module: Population Dynamics  LSCF (Psych 1806)
2  Jan 15  Experiments & Communities  Bldg 387 Rm 104
   Jan 17  Statistical Inferences & Field Assessment Designs  Bldg 387 Rm 104
3  Jan 22  BACIPS Field Assessment Design  Bldg 387 Rm 104
   Jan 24  Module: Experimental Design  LSCF (Psych 1806)
4  Jan 29  Forecasting Impacts  Bldg 387 Rm 104
   Jan 31  Module: BACIPS Assessment Design  LSCF (Psych 1806)
5  Feb 5  Restoration Ecology  Bldg 387 Rm 104
   Feb 7  Marine Protected Areas (MPAs)  Bldg 387 Rm 104
6  Feb 12  Dispersal of Impacts – local to regional effects  Bldg 387 Rm 104
   Feb 14  Module: Open Populations  LSCF (Psych 1806)
7  Feb 19  Climate Change  Bldg 387 Rm 104
   Feb 21  Module: Metapopulations & MPAs  LSCF (Psych 1806)
8  Feb 26  Fisheries / Harvest Refugia  Bldg 387 Rm 104
   Feb 28  Module: Fisheries/Predator-Prey  LSCF (Psych 1806)
9  Mar 5  Proposal Presentations  MSB rm 1302
   Mar 7  Proposal Presentations  MSB rm 1302
10 Mar 12  Final Exam / Proposals Due  MSB rm 1302
    Mar 14  no class meeting

Discussion Section / Homework Assignment Schedule

Week  Date  Discussion  Assignment
1  Jan 11  Graphs & Statistics (LSCF Psych 1806)  Homework 1 due
2  Jan 18  Pattern Identification  Homework 2 due
3  Jan 25  Hypothesis Generation  Homework 3 due
4  Feb 1  Tests of Hypotheses  Homework 4 due
5  Feb 8  Proposal Topic  Homework 5 due
   Feb11-15 Individual meetings with Instructors
7  Feb 22  Proposal Introduction & Hypotheses  Homework 6 due
8  Mar 1  Proposal Tests of Hypotheses & Predictions  MSB 1302
9  Mar 8  Student Symposium (Proposal Presentations) 10 am – 5 pm

Special Meetings
Jan 15, 3:15 - 5 pm  Homework 1 Assistance  LSCF (Psych 1806)
Feb 21, 3:15 - 5 pm  Power Point Tutorial  LSCF (Psych 1806)

GRANT PROPOSAL DUE ELECTRONICALLY BY 5 pm, TUESDAY, MAR 12th