

NSCI 6900
MASTER'S RESEARCH FOR COURSE CREDIT

Number of Credits: 3
INSTRUCTOR: K.D. Hyrenbach
MEETING TIME: TBA
SEMESTER: Fall 2012

STUDENT NAME: Shannon Lyday

TELEPHONE AND E-MAIL FOR STUDENT: (303) 917-1165; Shannon.lyday@gmail.com

TELEPHONE AND E-MAIL FOR INSTRUCTOR: (808) 228-4464; khyrenbach@hpu.edu

COURSE DESCRIPTION:

(include problem being addressed, general nature of work done, location of work, other pertinent information)

My thesis project will develop a multivariate ecosystem index quantifying the relationship between shearwater community structure, physical and biological ocean parameters, and the catches of commercially important fish stocks using data collected over four study years (1996, 2001, 2005, 2008) in the California Current System (CCS).

The fall 2012 semester will be focused on data integration and analyses. To this end, I will: (i) obtain and subset remotely sensed and oceanographic data overlapping the spatial / temporal scope of the seabird vessel-based surveys, (ii) obtain and subset fisheries catch data overlapping the spatial / temporal scope of the seabird vessel-based surveys, and (iii) integrate these data into GIS for visualization.

Shannon will meet with Dr. Hyrenbach (~2 hr/week) to review and discuss progress on these goals.



(Print) K. David Hyrenbach (Sign) _____ (Date) August 2, 2012
THESIS COMMITTEE CHAIR

(Print) _____ (Sign) _____ (Date) _____
ASSOCIATE DEAN OF MARINE SCIENCE PROGRAMS

NSCI 6900
MASTER'S RESEARCH FOR COURSE CREDIT

Number of Credits: 2
INSTRUCTOR: K.D. Hyrenbach
MEETING TIME: TBA
SEMESTER: Fall 2012

STUDENT NAME: Shannon Lyday

TELEPHONE AND E-MAIL FOR STUDENT: (303) 917-1165; Shannon.lyday@gmail.com

TELEPHONE AND E-MAIL FOR INSTRUCTOR: (808) 228-4464; khyrenbach@hpu.edu

COURSE DESCRIPTION:
(include problem being addressed, general nature of work done, location of work, other pertinent information)

The goal of this course is to complete a NOAA collaboration as part of the requirements of the Dr. Nancy Foster Scholarship Program grant award. The purpose is to increase exposure to NOAA and provide hands-on learning experience and applied use of skills on topics of research that support the National Marine Sanctuaries.

The collaboration will take place in Silver Spring, MD in the NOAA National Center for Coastal Ocean Science (NCCOS) as part of the Biogeography Team lead by Dr. Chris Jeffrey. Potential projects include (1) West Coast Seabird Predictive Modeling; (2) West Coast Groundfish Predictive Modeling; (3) Florida Keys Reef Tract. Shannon will spend 6-weeks in September – October completing this collaboration in Washington, D.C.

Shannon will tele-conference with Dr. Hyrenbach (~1 hr/week) to review and discuss progress.



(Print) K. David Hyrenbach (Sign) _____ (Date) August 2, 2012
THESIS COMMITTEE CHAIR

(Print) _____ (Sign) _____ (Date) _____
ASSOCIATE DEAN OF MARINE SCIENCE PROGRAMS