

NSCI 6900  
MASTER'S RESEARCH FOR COURSE CREDIT

Number of Credits: 1

INSTRUCTOR: K.D. Hyrenbach

MEETING TIME: TBA

STUDENT NAME: Dan Rapp

TELEPHONE AND E-MAIL FOR STUDENT: (907) 394-8103 dnrapp@gmail.com

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

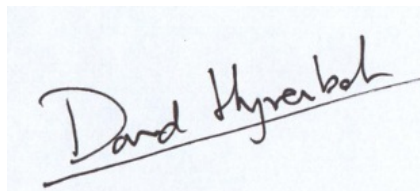
COURSE DESCRIPTION:

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

The proposed project will assess community wide patterns of plastic ingestion by seabirds at Tern Island, French Frigate Shoals, Papahānaumokuākea Marine National Monument. This project will also look more in-depth at possible effects of the intergenerational transfer of plastic debris on Laysan Albatross (*Phoebastria immutabilis*) breeding on Tern Island. Dan will use data collected from the past two breeding seasons on Tern Island for his analysis. This data will be assembled and prepared during the fall 2012 semester so that it can be analyzed in the future. Dan will also begin to process seabird specimens collected from Tern Island as part of his thesis work. The addition of specimens from the current breeding season on Tern Island will be pursued. In addition, a comprehensive literature review will be conducted to identify current and past research on this topic.

The goal for this course for the fall 2012 semester are to: (i) review relevant literature on seabird plastic ingestion and its effect to the health and survival of these species; (ii) assemble and prepare data collected on Tern Island for analysis; (iii) use this information to plan additional opportunistic sampling at Tern island by USFWS personnel during the 2012-13 field season.

Dan will meet with Dr. Hyrenbach (~1 hr / week) to review and discuss progress on these goals.



(Print) K. David Hyrenbach (Sign)

(Date) 8/31/2012

THESIS COMMITTEE CHAIR

(Print) \_\_\_\_\_ (Sign) \_\_\_\_\_ (Date) \_\_\_\_\_

ASSOCIATE DEAN OF MARINE SCIENCE PROGRAMS