

**NSCI 6900**  
**MASTER'S RESEARCH FOR COURSE CREDIT**

Number of Credits: 2  
INSTRUCTOR: K.D. Hyrenbach  
MEETING TIME: TBA  
SEMESTER: Spring 2013

STUDENT NAME: Raymond Boland

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**COURSE DESCRIPTION:**

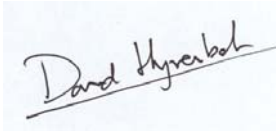
(include problem being addressed, general nature of work done, location of work, other pertinent information)

Ray will continue to synthesize and analyze data on the vertical distribution and community structure of Mesophotic Fish Communities of the Au ' au Channel, Hawai'i, relying on archived data from surveys completed in the past.

More specifically, this data synthesis will entail:

- (1) Mapping submarine survey tracks for analysis.
- (2) Analyzing fish community structure data using multivariate statistics.
- (3) Starting the analyses of the fish data using the statistical program "R".

The ultimate goal of this semester's efforts is to present these data summaries and analyses to the committee, as part of the thesis proposal defense, which will be completed before the end of the semester.

(Print) K. David Hyrenbach (Sign)   
THESIS COMMITTEE CHAIR

(Date) January 17, 2013

(Print) \_\_\_\_\_ (Sign) \_\_\_\_\_ (Date) \_\_\_\_\_  
ASSOCIATE DEAN OF MARINE SCIENCE PROGRAMS