Proposed Course: Integrated Assessment of Marine Protected Areas For Resource Management

Implementation: Summer II (July 1 to August 7, 2009) 
M-F (1 hour 20 minutes per period) (10:00 am – 11:20 am?) 
Room: S/A 114

Instructors: Dan Diresta, Maria Villanueva, Liana Talaue-McManus

Course description:

The proposed course aims to:

1. Analyze the processes involved in the design, establishment and operation of marine protection areas as tools for fisheries management and biodiversity protection in selected areas in the US and worldwide.
2. Assess the social, ecological and economic impacts of MPAs.
3. Identify knowledge gaps and integrated research to fill these

References: Compiled journal readings

Grading: 
Class Participation: 20%
Test: 25%
Case Study Presentation: 25%
Term Paper: 30%

Grading Scale: A+ 98-100  B+ 88-89  C+ 78-79  D+ 68-69  F <60
A 93-97  B 83-87  C 73-77  D 63-67
A- 90-92  B- 80-82  C- 70-72  D- 60-62

Course outline:

1. Goals of MPAs
   1.1. Biodiversity protection
   1.2. Fisheries management
   1.3. Reconfiguring access regimes
2. Design of MPAs
   2.1. Ecological criteria
   2.2. Social criteria
   2.3. Economic criteria
   2.4. Financial criteria
3. Governing MPAs
   3.1. Legal basis
   3.2. Institutional capacities
3.3. Financial support

4. Assessing impacts
   4.1. Ecological
   4.2. Social
   4.3. Economic

5. Future of MPA research
   5.1. Knowledge gaps
   5.2. Research directions

Course materials:

1. Case studies – from journals and institutional reports
   1.1. Florida
       1.1.1. Florida Keys National Marine Sanctuary (Invited Speaker)
       1.1.2. Biscayne National Park (Invited Speaker)
       1.1.3. Guana Tolomato Matanzas Reserve (Invited Speaker)
   1.2. Other US Sites - California Channel Islands (Journal articles)

   1.3. Foreign
       1.3.1. Apo Reef Natural Park, Philippines (Talaue-McManus, Journal articles)
       1.3.2. Great Barrier Reef Marine Park, Australia (Journal articles)
       1.3.3. Bunaken National Marine Park, North Sulawesi, Indonesia (Journal articles)

2. Socioeconomic Monitoring Guidelines