Marine Protected Area
Course Syllabus, Spring 2013

Institute of Ocean Technology and Marine Affairs

T.K. Liu

National Cheng Kung University

Instructor information

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- Office: S&NME building 8F
- Courses offered:
  - Marine Protected Area
  - Marine Resource Policy & Management
  - Seminar
### Topics

**total 48 hours**

1. **Introduction**
   - Basic concept; Type of MPA; MPA system in U.S.; MPA statistics; Role and benefits of MPA

2. **Ocean Conservation Issue**
   - Primary issues: species and habitats; Secondary issues: human activities that cause changes; Tertiary issues: complex chronic problems

3. **Coastal Ecosystem**
   - Large Marine Ecosystem; Global Dynamics; Defining attributes; Physical components; Biotic land-seascape; Discussion of journal article

4. **Biodiversity**
   - Diversity of marine life; Life-history diversity; Prospects for biodiversity; Discussion of journal article

5. **Legislative Requirement**
   - UNCLOS and its implication; IMO designations; Other legal instrument

6. **Selection of MPA**
   - Basic concept; two case studies

7. **Design and management of MPA**
   - Case study on Great Barrier Reef Marine Park: Organization structure; Zoning planning; Zoning example; Lessons learned; Management tools; Key success factors

8. **Student Presentation**
Course format

- The course includes lectures and discussions of research articles.
- The lectures are based on textbooks and the primary literature, with attention given to active areas of research.

Grading

- Midterm 50%
- Project presentation 50%

Exam

- Mid-term tentative schedule:
  13:00 – 16:00, April 23, 2013

Textbooks

- Dudley, N. “Guidelines for Applying Protected Area Management Categories”, IUCN, 2008
- Kelleher, G. “Guidelines for Marine Protected Areas”, IUCN, 1999

Journals

- Ocean & Coastal Management
- Coastal Management
- Marine Policy
- TBA in class
Each student will select a current topic from MPA research related journals or publications for class presentation.

- One page abstract due in class, April 16, 2013
- In the final weeks the course, each student will take turn presenting his work on the selected topic.