Marine Protected Area
Course Syllabus, Spring 2012

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
### Office hours

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<th>Time</th>
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### Topics

**total 48 hours**

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

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

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

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

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

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

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  
   - 7 hours

8. **Student Presentation**  
   - 6 hours
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

- Class participation 10%
- Midterm 30%
- Project presentation 30%
- Final Exam 30%

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
Project Presentation

- 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, 2012
- In the final weeks the course, each student will take turn presenting his work on the selected topic.

Exam

- Tentative schedule:
  - Mid-term 13:00 – 16:00, April 23, 2012
  - Final: 13:00 – 16:00 a, June 25, 2012

Attendance

- Attendance and participation in class is expected.
- In particular, if you miss a class due to a family or medical emergency, University-approved activity, or others, you must notice the instructor in advance of the absence (if planned) or as soon as possible afterward with proper documentation (if due to an emergency)