

Course Syllabus

1. **Name of Curriculum** Bachelor of Science Program in Environment
Faculty/Institute/College Mahidol University International College, Faculty of Science, Faculty of Environment and Resource Studies, Mahidol University
2. **Course Code** ICEN 362 **Course Title** Natural Resource Conservation and Management
3. **Number of Credits** 4 (Lecture/Lab) (4-0)
4. **Prerequisite** None
5. **Type of Course** Required
6. **Trimester / Academic Year**
Third / 2004
7. **Course Description**

The principles of environmentalism and the history of the conservation movement. Natural Resource and environment are focusing on intra and inter relationship of ecosystem. Causes of natural resource and environment destruction, Management direction of natural resource and environment.

8. **Course Objectives**
 1. To gain an understanding of principles of environmentalism and the history of the conservation movement.
 2. To understand the impacts and consequences of human activity on natural resource.
 3. To understand the appropriate resource conservation.

9. Course Outline

Week	Topic		Instructor
	Lecture	Hour	
1	Introduction Inter-relationship within Environmental system Natural Resource ecosystem Urban ecosystem	4	To be announced
2,3	Principal of Natural Resource Conservation and Management Theory and Approach	4	
4	Mineral : Problems and management	4	
5	Energy : Problems and management	4	
6	Soil : Problems and management	4	
7	Forestry & wildlife: Problems and management	4	
8	Air : Problems and management	4	
9	Water Resource : Problems and management	4	
10	Marine Resource : Problems and management	4	
11	Coastal Resource: Problems and management	4	
	Total	44	

10. Teaching Method

- Lecture
- Discussion
- Self-Study

11. Teaching Media

- Texts and Teaching Materials
- Transparencies
- Power Point Presentation

12. Course Achievement

Assessment made from the set-forward criteria. Student who gets 85% up, will have Grade A.

13. Course Evaluation

- midterm Examination 50%
- Final Examination 5%

14. References

1. Goudie, A. 1993. *The human impact on the natural environment*. Fourth edition. Blackwell:Oxford. 454 pp.
2. Izrael, Y.A. 1984. *Ecology and control of the natural environment*. Kluwer Academic Publishers.
3. William E.G., Ellen K.P., Sandra L.M. 1997. *Ecology and Natural Resource Management: Systems Analysis and Simulation*. John Wiley & Sons.

15. Instructors

Asst.Prof. Dr. Sansanee Choowaew
Ajarn Patompong Saguanwong

16. Course Coordinator

Ajarn Patompong Saguanwong