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 352 **Course Title** Environmental and Resource Economics
3. **Number of Credits** 4 **(Lecture/Lab)** (4-0)
4. **Prerequisite** None
5. **Type of Course** Elective
6. **Trimester / Academic Year**
   Second / 2004
7. **Course Description**
   To study necessary basic economic theories including market failure, externality and common right problem before taking up on economic theories and analyses of environment and natural resource. Market instruments as well as the applications are also included. The remaining part of the course devotes to environment and resource valuation techniques, cost-benefit analysis, problem on National Income Account concerning environment and natural resource and any contemporary related issues.

8. **Course Objective**
   The students are expected to be able to
   - firmly grasp how economics can play crucial role in environmental management, and
   - apply various tools learnt in real situation.

9. **Course Outline**

Week	Topic		Instructor
	Lecture/Seminar	Hour	
1	Basic economics theory	4	Patompong
2	Basic economics theory (continued)	4	Patompong
3	Environmental problem	4	Patompong
4	Market-based instruments	4	Patompong
5	Market-based instruments (continued)	4	Patompong
6	Market-based instruments (continued)	4	Patompong
7	Benefit-cost analysis	4	Patompong
8	Benefit-cost analysis (continued)	4	Patompong
9	Valuation of environment and resources	4	Patompong
10	Valuation of environment and resources (continued)	4	Patompong
11	Valuation of environment and resources (continued)	4	Patompong
	Total	**44**	

10. **Teaching Method**
    1. Lecture
    2. Practical Excercises
    3. Discussion

11. Teaching Media

1. Texts and Teaching Materials
2. Transparencies
3. 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

1. Exercises 10%
2. Class Participation 10%
3. midterm Examination 40%
4. Final Examination 40%

14. References

1. Callan, S.J. and J.M. Thomas (2000). Environmental Economics and Management : Theory, Policy, and Applications, 2nd Edition. The Dryden Press, New York.
2. Tietenberg, T. (2000). Environmental and Natural Resource Economics, 5th Edition. Addison Wesley Longman, Inc., New York.

15. Instructor

Ajarn Patompong Saguanwong

16. Course Coordinator

Ajarn Patompong Saguanwong