

Course Syllabus

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| 1. Program of Study | 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 492 | Course Title Excursions on Environment |
| 3. Number of Credits | 2 (Lecture/Lab) (0-4) |
| 4. Prerequisite (s) | None |
| 5. Type of Course | Required |
| 6. Trimester / Academic Year | Second / 2005 |

7. Course Description

On site study emphasizes on pollution prevention technology and pollution reduction in various types of industry and industrial estate, including resource management in both regional and local areas.

8. Course Objectives

The student understand about the human activities which effect natural resources and environment especially those from factories; both pollution problem and environmental management systems. Also the student learn about various natural resource management systems.

9. Course Outline

Week	Topic			Instructor
	Lecture/Seminar	Hour	Lab Hour	
1	Introduction: objectives, teaching methods, evaluation, assignment, reading, and places the class will visit	-	4	Dr.Kobkaew Manomaipiboon
2	Waste management process of Muang Municipality, Nakornprathom		4	Team of lecturer and co-lecturers
3	Community water treatment process	-	4	Team of lecturer and co-lecturers
4	Drinking water production process	-	4	Team of lecturer and co-lecturers
5	Industrial waste management process	-	4	Team of lecturer and co-lecturers
6	Production process, water treatment system and the utilization of biogas	-	4	Team of lecturer and co-lecturers
7	Production process and environmental management systems in the factory	-	4	Team of lecturer and co-lecturers
8	Water treatment system in the factory	-	4	Team of lecturer and co-lecturers
9	Preparation meeting for the excursion	-	4	Ajarn Prakorn Suwanich Dr.Patana Thavipoke Dr. Kobkaew

				Manomaipiboon
10	Human, environment and natural resources	-	4	Ajarn Prakorn Suwanich and Teams of co-lecturer
11	Student presentations on the field visit	-	4	Ajarn Prakorn Suwanich Dr.Patana Thavipoke Dr. Kobkaew Manomaipiboon
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10. Teaching Method

1. Lecture
2. Discussion
3. Self-Study

11. Teaching Media

Texts and teaching materials

12. Course Achievement

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

Percentage	Grade
> 85	A
75-84	B+
70-74	B
65-69	C+
60-64	C
55-59	D+
50-54	D
< 50	F

13. Course Evaluation

1. Field study visits in normal term period (50 %)
 - Class attention 10 %
 - Participation in class 20 %
 - Report 20 %
2. Field study visit during the term break (9-day field trip) (50 %)
 - Class attention 10 %
 - Participation in class 20 %
 - Report 20 %

14. References

None

15. Instructor

According to visiting places

16. Course Coordinator

Dr. Kobkaew Manomaipiboon