

Course Syllabus

- 1. Program of Study** Bachelor of Science (Biological Science)
Bachelor of Science (Environment)
- Faculty/Institute/College** Mahidol University International College
Faculty of Science,
Faculty of Environment and Resource Studies,
Mahidol University
- 2. Course Code** ICBI 256
Course Title Sustainable Development
- 3. Number of Credits** 4 (4-0-8) (Lecture/lab/Self-study)
- 4. Prerequisite (s)** None
- 5. Type of Course** Elective
- 6. Trimester / Academic Year**
Trimester 3/every academic year

- 7. Course Condition**
Number of students is 20-30.

8. Course Description

What is sustainable development? Guiding principles and approaches; 1972 Stockholm Earth Summit; 1992 Rio Earth Summit; Agenda 21; 2002 Johannesburg World Summit; outcomes of the summits; the role of UN agencies, NGOs, governments, businesses and individuals; industry and farming and the environment; population; poverty and inequality; food and agriculture; corporate social responsibility and the International Organization for Standardization.

9. Course Objective (s)

- By the end of the course students should be able to describe and explain:
1. the key environmental issues in sustainable development,
 2. the different physical, biological, social and economic elements to sustainable development
 3. the history of sustainable development
 4. the outcome of international summits
 5. guiding principles of Agenda 21
 6. the requirements of the Millennium Declaration
 7. the Actions needed in the five key thematic areas of Sustainable Development
 8. the importance of corporate social responsibility
 9. accountability in the tourism industry

10. Course Outline

week	Topics/Seminar	Hours			Instructor
		Lecture	Lab	Self-study	
1	What is Sustainable Development?	4	0	8	Dr. Wayne

					Phillips
2	Trends in Sustainable Development	4	0	8	Dr. Wayne Phillips
3	The Earth Summit, 1992	4	0	8	Dr. Wayne Phillips
4	The Earth Summit + 5. Agenda 21 Success Stories	4	0	8	Dr. Wayne Phillips
5	The Millennium Declaration	4	0	8	Dr. Wayne Phillips
6	Mid-term exam	4	0	8	Dr. Wayne Phillips
7	World Summit on Sustainable Development The Johannesburg Declaration	4	0	8	Dr. Wayne Phillips
8	Corporate Social Responsibility (CSR)	4	0	8	Dr. Wayne Phillips
9	The International Organization for Standardization (ISO)	4	0	8	Dr. Wayne Phillips
10	Tourism and Sustainable Development	4	0	8	Dr. Wayne Phillips
11	Student presentations	4	0	8	Dr. Wayne Phillips
Final Exam					
	Total	44	0	88	

11. Teaching Method (s)

Lectures, in-class case studies, discussion, self-study and organization case study with student presentations.

12. Teaching Media

Text and teaching materials, Powerpoint, handouts, case studies.

13. Measurement and Evaluation of Student Achievement

Student achievement is measured and evaluated by

- 13.1 The ability to describe the key environmental issues in sustainable development,
- 13.2 The ability to describe the different physical, biological, social and economic elements to sustainable development
- 13.3 The ability to describe the history of sustainable development
- 13.4 The ability to explain the outcome of international summits
- 13.5 The ability to explain the guiding principles of Agenda 21
- 13.6 The ability to explain the requirements of the Millennium Declaration
- 13.7 The ability to describe the Actions needed in the five key thematic areas of Sustainable Development
- 13.8 The ability to describe the importance of corporate social responsibility
- 13.9 The ability to describe the accountability in the tourism industry

Student's achievement will be graded according to the college and university standard using the symbols: A, B+, B, C+, C, D+, D and F. Minimal passing level is 60%. Student who earns 85% up will have Grade A, 80-84%

Grade B+ , 75-79% Grade B, 70-74% Grade C+, 65-69% Grade C, 60-64%
Grade D+, 55-59% D, less than 55 Grade F. Students must attend at least 80%
of the total class hours of this course.

1. Case studies (x5)	25%
2. Business report and presentation	35%
3. Mid-term exam	20%
4. Final exam	20%

14. Course evaluation

14.1 Students' achievement as indicated in number 13 above.

14.2 Students' satisfaction towards teaching and learning of the course using
questionnaires.

15. Reference (s)

Holliday, C.O., Schmidheiny S. and Watts P. Walking the talk: The business
case for sustainable development, USA. Green Leaf Publishing, Berrett-
Koehler Publishers, Inc. 2002.

Harris, J.M., Wise, T.A., Gallagher, K.P. and Goodwin, N.R. A survey of
sustainable development social and economic dimenisons. USA. Island
Press. 2001.

World Bank Publications, World development report: Sustainable
development in a dynamic world. 2003.

Additional readings set by the instructor.

16. Instructor (s)

Dr. Wayne Phillips

17. Course Coordinator

Dr. Wayne Phillips