

## COURSE SYLLABUS

**1.Name of Curriculum:** Bachelor of Science (Biological Science)  
 Bachelor of Science (Environment)  
 Mahidol University International College

**2.Course Code:** ICBI 256 / ICEN 391      **Course Title:** Sustainable Development

**3.Number of Credits:** 4 (Lecture/lab) (4 - 0)

**4.Prerequisites:**

None

**5.Type of Course:**

Elective for 2<sup>nd</sup> year students

**6.Semester / Academic Year:**

Trimester 3

**7.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.

**8.Course Objectives:**

By the end of the course students should be able to describe and explain:

- the key environmental issues in sustainable development,
- the different physical, biological, social and economic elements to sustainable development
- the history of sustainable development
- the outcome of international summits
- guiding principles of Agenda 21
- the requirements of the Millennium Declaration
- the Actions needed in the five key thematic areas of Sustainable Development
- the importance of corporate social responsibility
- accountability in the tourism industry

## 9. Course Outline

Class	Topic			Lecturer	
	Lecture / Seminar	Hour	Lab		Hour
1	What is Sustainable Development?	2	-		Dr W. Phillips
2	Trends in Sustainable Development	2	-		
3	The Earth Summit, 1992	6	-		
4	The Earth Summit + 5. Agenda 21 Success Stories	4	-		
5	The Millennium Declaration (+ Mid-term exam)	4 (+2)	-		
6	World Summit on Sustainable Development The Johannesburg Declaration	6	-		
7	Corporate Social Responsibility (CSR)	6	-		
8	The International Organization for Standardization (ISO)	6	-		
9	Tourism and Sustainable Development	4	-		
10	Student presentations	2			

### 10. Teaching Methods:

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

### 11. Teaching Media:

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

### 12. Course Achievement:

Assessment made from stated criteria: students with 85%+ obtain grade A

### 13. Course Evaluation:

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

### 14. References:

Holliday *et al*, 2002. *Walking the Talk: The Business Case for Sustainable Development*. Berrett-Koehler Publishers  
Harris *et al* (eds), 2001. *A Survey of Sustainable Development Social and Economic Dimenisions*. Island Press  
World Bank Publications, 2003. *World Development Report 2003 :Sustainable Development in a Dynamic World*.  
Additional readings set by the instructor.

15. **Instructor:**  
Dr Wayne Phillips
  
16. **Course Coordinator:**  
Dr Wayne Phillips