COURSE SYLLABUS

WARMADEWA UNIVERSITY

SUSTAINABILITY AND ENVIRONMENTAL MANAGEMENT

BGA22M01

International Program

SUSTAINABILITY AND ENVIRONMENTAL MANAGEMENT

5 ECTS

COURSE DESCRIPTION

In the course "Sustainability and environmental management" students will get introduced to the topics of sustainability from an economic perspective. They will learn about the importance of the impact and interactions of human societies on the environment and develop the skillset to make sure protection and maintenance of ecosystem services for future human generations, and maintenance of ecosystem integrity as well by means of considering ecological, economic, and ethical variables.

OBJECTIVES

By the end of this course, students should be able to understand:

- The economic, social and environmental aspects of sustainability

- The concept of life cycle assessment

- Understand the benefits of sustainable resource usage

- The pathways towards a more sustainable and environmentally friendly future

LECTURING METHOD

The course will be presented in lecture activities, classroom assignments and discussions, case studies, special topic presentations, and homework. Students will be working primarily based on real-life stories, though additional materials can be assigned from time to time. To understand the topics covered in this course, students must read the supplied online material before class sessions to contribute thoughtfully to the class discussions and exercises.

ACADEMIC RESEARCH

This course includes an academic research paper that must be completed during your semester. It will be based on a topic given by the lecturer and requires comprehensive research by the student. This paper will consist of methodological analysis of the latest literature and be handed in at the end of the semester. The academic research will be included in the final course grade.

ASSESSMENT METHOD

Class attendance 10 %
Class participation and assignments 20 %
Mid-term exam 20 %
Final project 50 %

LECTURER

TBA

LECTURE TOPICS

Week	Topics
1.	Introduction to sustainability and environmental management
2.	Sustainability Models and environmental frameworks
3.	What is the Lifecycle assessment?
4.	Industrial Ecology
5.	Pollution prevention
6.	Environmental ethics
7.	**Mid-Term Exam**
8.	Population and scarcity
9.	Climate Change
10.	Globalization and technological change
11.	The impact of constantly rising consumption
12.	A market-based approach to environmental challenges
14.	Green consumerism
15.	**Final Exam**

WORKLOAD

SUSTAINABILITY AND ENVIRONMENTAL MANAGEMENT (MASTER)
16 weeks

		Weeks per semester																TOTAL hrs
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
INDEPENDENT WORK	Homework, assignments	2	2	2	2	2	2				2	2	2	2	2	2		24
	Workshops	4																4
	Exam preparation							9								10		19
	Company visits, excursions															4		4
	Preparation for presentations and papers			2		2		2			2		2		2			12
	Preparation for class	2	2	2	2	2	2				2	2	2	2	2	2		24
	Follow-up for class	1	1	1	1	1	1				1	1	1	1	1	1		12
	Final essay paper															10		10
	Academic Research															20		20
	Course evaluation															2		2
	Workshop and Excursion Paper			2												2		4
																		135
HRS OF EXAMS								2								2		4
MANDATORY CLASS ATTENDANCE	Class Weekly hrs ~ 4	2	2	2	2	2	2	2			2	2	2	2	2	2		26
	TOTAL WORKLOAD PER COURSE (HOURS)																	165
	TOTAL ECTS																	5