Sustainable Development Syllabus

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Office: Social Science North Building 8F

Office hour: by make appointments

Course Number: AN-157 永續發展

Credit: 1 credit

Class time: Please see the following course schedule

Classroom. 雲平大樓東棟 4 樓創新教學工坊

Course Description.

永續發展該課程是 EMI 課程,安排了 10 個不同領域專家,有關永續發展的英文 演講,所邀請了 10 位從不同專業領域來討論永續發展,他們闡述永續發展的面 向,包括碳排放、生物技術、能源、永續山區發展、國際關係、生物多樣性、 STEM 教育、水管理等的議題。以永續續性科學的觀點來討論永續發展的觀念, 教學期許引導學生能貫穿各個專業方面來認識永續發展。

This is a EMI course, which consists 10 different sustainable development speeches, and we invited 10 different speakers on various professional field. They will provide an overview of the concept of sustainable development, including a review of its underlying Emissions, Biotechnology, energy, Sustainable Mountain Development, International Relations, Biodiversity, STEM Education, waste and so on. Perspectives from sustainability science will be introduced. Throughout the conceptual points of sustainable development are illustrated with various professional aspects.

Course schedule:

Date	Time	Lecturer	Торіс
Sep 8	15:1016:00	Chun-Li Tsai	Course Introduction
Sep 15	15:1016:00	Remi Chauvy	The Role of Carbon Capture
			Utilization and Storage to Enable a
Co. 22	15:1016:00		Net-Zero-CO2 Emissions Industry
Sep 22	15:1016:00	Wong Tzyy Yue	Introduction to Biotechnology and
			Sustainable Food Production and Development
Sep 29	15:1016:00	John Harrison	Sustainable Mountain
			Development (SMD) in Taiwan
Sep 29	16:1017:00	Michal Fliegel	Sustainable Development Through
			the Lens of International Relations
Oct 6	15:1016:00	Edi Sudianto	Sustainability and Biodiversity
Oct 6	16:1017:00	Jack Shen-	Augmented Reality and Virtual
		Kuen Chang	Reality for STEM Education
Oct 13	15:1016:00	Tailin Huang	A Systems Perspective for the Risk
			of Sustainable Development
Oct 13	16:1017:00	Tonni	Digitalization in waste
		Kurniawan	management
Oct 20	15:1016:00	Jonathan	The unbearable price of value
		Hobley	
Oct 20	16:1017:00	Dr. Raja	Introduction to low-power energy
			Technologies for IoT applications
Nov 17	15:1016:00		Student Group Presentation
Nov17	16:1017:00		Student Group Presentation
Nov 24	15:1016:00		Student Group Presentation
Nov 24	16:1017:00		Student Group Presentation

Grading:

Measurement	Percentage%
Participation	15%
Group Project Presentation	85%

Group Project Presentation:

Each group has 4 members. Each project will culminate with a 20 minute presentation of results to the class. Presentations will be evaluated on their informative value, clarity, ability to answer questions, and the overall style. Group project will determine 85 percent of your semester grade. Presentation topic needs to be related to SDGs, and please receives my approval. You only need to submit the PPT, no need to submit the presentation report.