

課程資訊 (Course Information)					
科號 Course Number	11220KEC503100	學分 Credit	3	人數限制 Size of Limit	45
中文名稱 Course Title	國際環境治理與環境法專題				
英文名稱 Course English Title	Global Environmental Governance and Environmental Law				
任課教師 Instructor	楊宗翰 (Chung-Han Yang)				
上課時間 Time	Thursday abc (pm 6:30 – 9:20)	上課 教室 Room	Nanda 1405		
課程大綱 (Syllabus)					
<p>一、課程說明(Course Description)</p> <p>This course is structured to provide students with a thorough understanding of the primary challenges and pathways leading to sustainable development, emphasizing the promotion of economic advancement that is socially inclusive and environmentally sustainable.</p> <p>A central text for this course is "The Age of Sustainable Development," authored by Professor Jeffrey D. Sachs of Columbia University in New York. Professor Sachs is globally recognized as one of the most insightful and original analysts of global development. In this significant work, he presents a compelling and pragmatic framework for addressing persistent challenges such as extreme poverty, environmental degradation, and political-economic injustice through sustainable development.</p> <p>The book equips readers, including students, activists, environmentalists, and policymakers, with the tools, metrics, and practical approaches needed to achieve Sustainable Development Goals. More than a mere rhetorical exercise, the book is crafted to inform, inspire, and catalyze action.</p> <p>Consequently, our aim is to introduce students to the interdisciplinary landscape of sustainable development, drawing on the latest advancements in the social, policy, and physical sciences. The course intricately explores the dynamic interplay between the global economy and the Earth's physical environment, emphasizing the necessity of achieving development that is both environmentally sustainable and socially inclusive. As the course concludes, students will have gained a comprehensive understanding of the fundamental challenges and potential solutions crucial for navigating development in the 21st century.</p> <p><b>*According to the university's published "Guidelines for AI Collaboration, Co-learning, and Literacy</b></p>					

Development in the University Education Field," students taking this course should be aware that they are not allowed to submit assignments, reports, or personal reflections generated using generative artificial intelligence. If upon inspection, it is discovered that such submissions have occurred, the instructor, the school, or relevant authorities reserve the right to reevaluate or withhold grading for the assignments or reports. By enrolling in this course, students are considered to have agreed to the above ethical declaration.

## 二、指定用書(Text Books)

Sachs, Jeffrey, The Age of Sustainable Development, Columbia University Press, 2016

永續發展新紀元, 原文作者: Jeffrey D. Sachs, 譯者: 周曉琪, 羅耀宗, 天下文化, 2022.07

Angus Maddison, The World Economy

## 三、參考書籍(References)

In addition to the specified textbooks and assigned readings, supplementary materials encompass a diverse range of resources such as books, articles, and online content covering topics related to sustainability, economic development, poverty, human rights, gender, education, public health, sustainable food supply, sustainable cities, biodiversity, climate change, and UN Sustainable Development Goals (UNSDGs). Each week, the instructor will provide students with the relevant readings. For instance:

Week 2: What is Sustainable Development?

- Sachs, Jeffrey D. The Age of Sustainable Development (coursebook chapter 1)
- Draft Framework for Sustainable Development, UN Sustainable Development Solutions Network (22 pages)

• Presentation on Realizing the Future We Want for All, N System Task Team on the Post-2015 Development agenda

[http://www.un.org/en/development/desa/policy/untaskteam\\_undf/presentation\\_untt\\_report.pdf](http://www.un.org/en/development/desa/policy/untaskteam_undf/presentation_untt_report.pdf)

- Part I: Our Common Vision of The Future We Want, outcome document of the Rio+20 Conference (3 pages)

• Executive Summary of A New Global Partnership: Eradicate Poverty and Transform Economies Through Sustainable Development, The Secretary General's High Level Panel of Eminent Persons on the Post-2015 Development Agenda (3 pages)

• A life of dignity for all: accelerating progress towards the Millennium Development Goals and advancing the United Nations development agenda beyond 2015, Report of the UN Secretary General (19 pages)

• Executive Summary of An Action Agenda for Sustainable Development, UN Sustainable

Development Solutions Network (3 pages)

#### 四、教學方式(Teaching Method)

The instructional approach of this course embraces a varied methodology that includes teacher lectures, student readings, project research, team discussions, presentations, and guest speeches. The emphasis is on cultivating students' comprehension of sustainable development, economic growth, and social justice issues. The course encourages students to autonomously analyze and critically evaluate a diverse array of literature, culminating in the presentation of innovative final projects.

#### 五、教學進度(Syllabus)

Week	Main Topics	Assigned Readings
1	Course Introduction	
2	What is Sustainable Development?	Chapter 1: Introduction to Sustainable Development Chapter 2: Economic Growth and Progress Chapter 3: Continuing Poverty Chapter 4: Environmental Threats Chapter 5: Business As Usual Versus Sustainable Development
3	Economic Development – How We Measure It, How It Varies Around the World	Chapter 1: Incomes Around the World Chapter 2: Urban/Rural Inequality Chapter 3: Income Inequality Within Countries Chapter 4: Measuring Wellbeing Chapter 5: Convergence or Divergence?
4	A Short History of Economic Development	Chapter 1: Economic Development is New, Starting Around 1750 Chapter 2: The Industrial

		<p>Revolution Starts in England</p> <p>Chapter 3: The Great Waves of Technological Change</p> <p>Chapter 4: The Diffusion of Economic Growth</p> <p>Chapter 5: Economic Development Since World War II: The Making of Globalization</p>
5	Why Did Some Countries Advance While Others Remained in Poverty?	<p>Chapter 1: The Idea of Clinical Economics</p> <p>Chapter 2: The Role of Physical Geography: Transport, Energy, Disease, Crops</p> <p>Chapter 3: The Role of Culture: Demography, Education, Gender</p> <p>Chapter 4: The Role of Politics</p> <p>Chapter 5: Which Countries Are Still Stuck in Poverty?</p>
6	Growth within Planetary Boundaries	<p>Chapter 1: The Planetary Boundaries</p> <p>Chapter 2: Growth Dynamics</p> <p>Chapter 3: Growth and Planetary Boundaries: The Case of Energy</p> <p>Chapter 4: Growth and Planetary Boundaries: The Case of Food</p> <p>Chapter 5: Growth and Planetary Boundaries: The Case of Population</p>
7	Spring Break	
8	Human Rights and Gender Equality	Chapter 1: The Ethics of Wealth, Poverty, and

		<p>Inequality</p> <p>Chapter 2: Major UN Covenants and Declarations</p> <p>Chapter 3: Divided Societies</p> <p>Chapter 4: Forces of Widening Inequalities</p> <p>Chapter 5: Gender Inequity</p>
9	Education	<p>Chapter 1: Life-Cycle Approach to Human Development</p> <p>Chapter 2: Early Childhood Development</p> <p>Chapter 3: The Rising Returns to Education and the Supply Response</p> <p>Chapter 4: Social Mobility</p> <p>Chapter 5: The Role of Higher Education in Sustainable Development</p>
10	Universal Health Coverage	<p>Chapter 1: The Human Right to Health</p> <p>Chapter 2: Poverty and Disease</p> <p>Chapter 3: Designing and Financing a Primary Health System in Low-Income Settings</p> <p>Chapter 4: Ten Recommended Steps to Health for All in the Poorest Countries</p> <p>Chapter 5: The Challenges of Health Coverage in High-Income Countries</p>
11	Sustainable Food Supply and the End of Hunger	<p>Chapter 1: Malnutrition</p> <p>Chapter 2: Farm Systems, Ecology, and Food Security</p> <p>Chapter 3: How</p>

		<p>Environmental Change Threatens the Food System Chapter 4: How the Food System Threatens the Environment Chapter 5: Towards a Sustainable Global Food Supply</p>
12	Sustainable Cities	<p>Chapter 1: The Patterns of Urbanization Around the World Chapter 2: What Makes a City Sustainable? Chapter 3: Smart Infrastructure Chapter 4: Urban Resilience Chapter 5: Planning for Sustainable Development</p>
13	Curbing Climate Change	<p>Chapter 1: The Basic Science of Climate Change Chapter 2: Consequences Chapter 3: Mitigation Chapter 4: Adaptation Chapter 5: Mitigation Policies</p>
14	Saving Biodiversity	<p>Chapter 1: What is Biodiversity? Chapter 2: Biodiversity Under Threat Chapter 3: Oceans and Fisheries Chapter 4: Deforestation Chapter 5: International Dynamics</p>
15	The Proposal for Sustainable Development Goals at Rio +20	<p>Chapter 1: The Sustainable Development Goals Chapter 2: Goal-Based Development</p>

		Chapter 3: Financing for Sustainable Development Chapter 4: Principles of Good Governance Chapter 5: Is Sustainable Development Feasible
16	Final Project and Presentation	
<p>六、成績考核(Evaluation)</p> <p>Regular Attendance: 10%</p> <p>Class Participation and Discussions: 30%</p> <p>Reading Summary: 30%</p> <p>Final Project and Presentation: 30%</p> <p>七、可連結之網頁位址</p> <p><a href="https://cup.columbia.edu/book/the-age-of-sustainable-development/9780231173155">https://cup.columbia.edu/book/the-age-of-sustainable-development/9780231173155</a></p> <p><a href="https://www.coursera.org/learn/sustainable-development">https://www.coursera.org/learn/sustainable-development</a></p>		