



**BACHELOR OF
ECONOMICS**
THAMMASAT UNIVERSITY

Course Outline

EE465 Sustainable Development

Semester 2/2023

Class Time and Logistic

Class day: Thursday

Class time: 09.00 – 12.00 hrs.

Venue: Room 101, Faculty of Economics

Teaching Materials Platform: MS Team

[2023-2 EE465 \(046401\) | General | Microsoft Teams](#)

Instructor:

Name: Assistant Professor Chol Bunnag

Office Hours: Monday and Thursday, 13.00 – 16.00 hrs.

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Field Code Changed

Number of Credit: 3 credits

Prerequisite: EE212 (or EE214) and EE311

Course Description: Development of sustainable development approach under context of socio-politico-economic development at different levels. Sustainable development crises at global level and in Thailand. Definitions and fundamental ideas regarding Sustainable Development and contemporary debates. Other approaches related to sustainable development and their critiques, such as Gross National Happiness (GNH), Sufficiency Economy Philosophy, Green Growth, etc. Economic theories related to sustainable development, such as the analysis of externalities, public goods, common-pool resources, ecological economics, Green Economy, and economic measures for sustainable development. Policies and indicators related to sustainable development at global level, particularly the Sustainable Development Goals (SDGs). Challenges and obstacles to achieve sustainable development.

Expected Learning Outcomes

1. Morality and Ethics: EE465

Applicability	Expected Learning Outcomes	Evaluation Method
●	1. Students demonstrate integrity.	Number and proportion of students cheating and plagiarizing.
●	2. Students prioritize social and public benefits over personal ones.	n/a
●	3. Students are punctual and comply with the code of conduct of the institution and society at large.	Number and proportion of students coming to class later than 5 minutes from the starting time.
●	4. Students are responsible and accountable to society, the nation, and the subject of economics.	n/a
●	5. Students realize the cultural and environmental value of a sustainable society.	Essay writing

2. Knowledge

Applicability	Expected Learning Outcomes	
●	1. Students know and understand modern economics principles and theories, and are up to date with developments.	Midterm and Final exams, presentation assignments.
○	2. Students know and understand the instruments of economic analysis.	Midterm and Final exams,
○	3. Students are informed about related fields including sociology, business administration, education, law policy, and science.	Midterm and Final exams, presentation assignments.

3. Intellectual Development

Applicability	Expected Learning Outcomes	
●	1. Students have developed individual critical thinking.	Essay writing
●	2. Students are sufficiently trained in research skills.	Essay writing
●	3. Students demonstrate an ability to analyze and synthesize data, as well as appropriately integrate economics concepts to understand the causes of current economic problems in Thailand. Based on analysis and synthesis, students demonstrate an ability to propose policy guidelines to resolve problems.	Essay writing and presentation assignments

4. Interpersonal Skills and Responsibilities

Applicability	Expected Learning Outcomes	
●	1. Students are responsible for assigned tasks and work in groups effectively.	Number and proportion of students submitting assignments in time.
●	2. Students have problem-solving skills.	Essay writing and presentation assignments
○	3. Students show leadership skills and team spirit.	Essay writing and presentation assignments
●	4. Students are always improving themselves.	Overall evaluation.

5. Quantitative Analysis, communication, and information technology

Applicability	Expected Learning Outcomes	
○	1. Students communicate effectively and select appropriate presentation methods.	Presentation assignments
○	2. Students use information and communication technologies appropriately to gather data as well as process, interpret, and present results.	Presentation assignments

Remark: ● Primary expected outcome ○ Secondary

Main Text:

Sachs, Jeffrey D. 2015. *The Age of Sustainable Development*. New York, NY: Columbia University Press.

Raworth, Kate. 2018. *Doughnut Economics*. London, England: Random House Business Books.

Recommended Texts & Materials:

Walker, Julia, Alma Pekmezovic, and Gordon Walker. 2019. *Sustainable Development Goals: Harnessing Business to Achieve the SDGs through Finance, Technology and Law Reform*.

Polasky, Stephen, Catherine L. Kling, Simon A. Levin, Stephen R. Carpenter, Gretchen C. Daily, Paul R. Ehrlich, Geoffrey M. Heal, and Jane Lubchenco. 2019. "Role of Economics in Analyzing the Environment and Sustainable Development." *Proceedings of the National Academy of Sciences of the United States of America* 116 (12): 5233–38.

Suggested Readings:

Brandon, Alec, John A. List, Robert D. Metcalfe, Michael K. Price, and Florian Rundhammer. 2019. "Testing for Crowd out in Social Nudges: Evidence from a Natural Field Experiment in the Market for Electricity." *Proceedings of the National Academy of Sciences of the United States of America* 116 (12): 5293–98.

Carlsson, Fredrik, and Olof Johansson-Stenman. 2012. "Behavioral Economics and Environmental Policy." *Annual Review of Resource Economics* 4 (1): 75–99.

Dodds, Felix, David Donoghue, and Jimena Leiva Roesch. 2016. *Negotiating the Sustainable Development Goals*. London, England: Routledge.

Kanie, Norichika, and Frank Biermann, eds. 2018. *Governing through Goals: Sustainable Development Goals as Governance Innovation*. Earth System Governance. London, England: MIT Press.

Kotchen, Matthew J., and Kathleen Segerson. 2019. "On the Use of Group Performance and Rights for Environmental Protection and Resource Management." *Proceedings of the National Academy of Sciences of the United States of America* 116 (12): 5285–92.

Monkelbaan, Joachim. 2019. *Governance for the Sustainable Development Goals: Exploring an Integrative Framework of Theories, Tools, and Competencies*. Springer, Singapore.

Ostrom, Elinor. 1990. *Governing the Commons*. Cambridge University Press.

Wright, Diana, and Donella H. Meadows. 2009. *Thinking in Systems*. London, England: Earthscan

Grading Criteria:

1. **Midterm Exam:** (30 percent)
2. **Final exam:** (40 percent)
3. **Assignment 1: Reflection on SDG Game:** Submission date: January 25, 2024 (5 percent)
4. **Assignment 2: Understanding issues in sustainable development:** A group assignment. Instruction will be provided in class. Presentation on week 5, 6 and 7 (10 percent)
5. **Assignment 3: Reflection on guest speakers** (10 percent)

Tentative Class Schedule:

Week	Topic	Remarks
Jan 11	1. Overview of Sustainable Development <ul style="list-style-type: none"> • Concept of Sustainable Development and related concepts • Overview of the Sustainable Development Goals (SDGs) • Why do we need to learn about the SDGs? • Status of SDGs at the global and national level. 	
Jan 18		
Jan 25	2. Basic economic theories for sustainability <ul style="list-style-type: none"> • Static Efficiency • Market Failures • Government Failure • Public Goods • Common Pool Resources • Dynamic efficiency and sustainability 	SDG Game on Thursday January 25, 2024, by a certified facilitator.
Feb 1		Submit reflection on SDG Game on Thursday, February 1, 2024.
Feb 8	3. Assignment 2: Understanding issues in sustainable development. <ul style="list-style-type: none"> • A group assignment (4-5 students a group). • 20 minutes presentation on a selection of the following topics. <ul style="list-style-type: none"> ○ Ending poverty (Feb 8) ○ Planetary boundaries (Feb 8) ○ Social inclusion (Feb 8) ○ Education for all (Feb 15) ○ Health for all (Feb 15) ○ Food security (Feb 15) ○ Resilient cities (Feb 22) ○ Climate change (Feb 22) ○ Biodiversity loss (Feb 22) 	
Feb 15		
Feb 22		
Feb 29		
Feb 29	Midterm Exam: Thursday, February 29, 2024; 09.00 - 11.00 hrs.	
Mar 7	4. Spectrum of Economics for Sustainable Development	

Week	Topic	Remarks
Mar 14	<ul style="list-style-type: none"> Environmental and natural resource economics/Ecological Economics Green Economy, Green and Inclusive Growth Post-growth <ul style="list-style-type: none"> Kate Raworth's Doughnut Economics Sufficiency Economy Philosophy Happiness Economics and Gross National Happiness 	
Mar 21	5. Economics in SDG implementation <ul style="list-style-type: none"> Economics in SDG targets and Means of Implementation Finance for Development Sustainable Banking International Trade Fiscal Policies for SDGs Sustainable Business and Investment 	Guest speaker on Finance for Development: Anuk Serechetapongse, UNDP (TBC). Guest speaker on Sustainable Banking: Sarinee Achavanuntakul, Salforest (TBC).
Mar 28		
Apr 4		Guest speaker on Sustainable Business and Investment: Dr. Pipat Yodprudtikan, Thaipat Institute (TBC).
Apr 11	Songkran Week	
Apr 18	6. SDG data and analysis <ul style="list-style-type: none"> Turning development data into policy messages. Learning the method of SDG index. 	
Apr 25 (Recorded Video)	7. SDG in action <ul style="list-style-type: none"> Thailand's policies and strategies for achieving the SDGs. Private sector and the SDGs Roles of universities in achieving the SDGs Roles of Civil Society in SDG implementation 	Submit reflection on the guest speakers' content.
May 2 (Symposium)		
	Final exam: Friday, May 17, 2024, 09.00 – 12.00 hrs.	