

Course Outline

EE489 Seminar in Industrial Economics

Semester 2/2025 (January 5 - May 2, 2026)

Lecture Time: Monday, 09.00-12.00 hours

Lecture Venue: To be announce

Teaching Materials Platform: Google Classroom (Class code: [evqdtgpg](#))

Instructor: Name: Asst. Prof. Dr. Wanwiphang Manachotphong

Office Hours: By appointment

Email: wanwiphang@econ.tu.ac.th

Line Group:



Number of Credit: 3 Credits (3-0-6)

Prerequisite: Having completed at least two 400-level (or the above level) courses in field of Industrial Economics

Course Description: Seminar and research on topics in Industrial Economics under the supervision of the lecturer.

Course Objectives: In this course, students will learn to conduct a systematic research on their topic of interest. Since this course focuses on industrial economic issues, your topic should be related to industrial economics and/or industrial policies. What the course will do is to stimulate an active-learning environment. Unlike most of the classes you have

attended, there won't be that many lectures. My role in this class will be a facilitator and an advisor, rather than a lecturer.

This course is split into two big parts. In the first part, I hope to introduce you to important elements of good research. To do this, we will discuss how to come up with meaningful research questions. We will then, discuss different components of a standard research report (your seminar paper). This includes introduction, literature review, theoretical framework, methodology and findings. You will be assigned to read journal papers discussions about these papers in class.

In the second part, students will take turn to present your research progress. Occasionally, we will turn the class into individual meetings. This is where you discuss specific questions regarding your research and methodology with the instructor.

Main Text: There is no specific textbook for this course. However, I will post journal papers and some good readings on "how to write" on Google Classroom.

Grading Criteria:

1. Paper summary assignments	15%
2. Progress Presentation	10%
3. Class participation and comments	25%
4. Final paper presentation	25%
5. Final paper (report)	25%

About the assignments:

- 1. Group assignments** – Each student is expected to lead at least 1 paper discussion.
 - 2. Paper summary** – Students are required to submit a 1-page summary of each paper that will be discussed in class. The summaries are due on the Sunday before class.
 - 3. Final research report (your seminar paper)** - The paper should be between 8,000-12,000 words, **excluding** graphs, tables, figures bibliography and appendices. The paper should be well-organized in different parts. For example, 1) introduction 2) literature review 3) theoretical framework and methodology and 4) findings 5) conclusion. We will discuss about each part in more details in class.
- **AI (such as chatGPT) is only allowed for you to proofread your grammar. However, you are not allowed to use AI to write the report (or any part of the report). Doing so will result in an F for this class.**

Tentative Class Schedule (Tentative):

Week	Agenda	Assignment/Reading
1	Introduction - Review of Course and Research Resources. Identification of Topics.	Read the suggested readings and start thinking about your topic.
2	Individual Meetings to identify research topics, relevant literature	
3	Guest Speaker #1 Then, individual group meeting on topic & methodology	
4	Guest Speaker #2 Then, Lecture 1 - writing &	Paper1, 2
5	Paper discussion	Paper3, 4
6	Paper discussion Lecture 2 - writing	Paper5, 6
7	Workshop1 - Topic/Literature Review/Methodology	Yes 1) A rough draft of your introduction, literature review, methodology (* At least 5 pages long in total -- 1.5 page intro, 1.5 pages literature review, 1 page methodology) 2) 5-minute Powerpoint presentation
8	Midterm Week, No Class.	Work on your paper
9	Paper discussion Meetings & Improve your papers	Paper 7, 8
10	Paper discussion Lecture 3 - writing	Paper 9, 10
11	Meetings & Improve your papers	
12	Present your research progress	
13	Individual meetings.	Max. 10 minutes long.
14	Online individual meetings	
15	Individual meetings	
16	Final Presentation	Max. 15 minutes

Expected Learning Outcomes

1. Morality and Ethics **EE489**

Applicability	Expected Learning Outcomes	Evaluation Method
●	1. Students demonstrate integrity.	Class participation/presentation and report
○	2. Students prioritize social and public benefits over personal ones.	Class participation/presentation and report
●	3. Students are punctual and comply with the code of conduct of the institution and society at large.	Class participation/presentation and report
●	4. Students are responsible and accountable to society, the nation, and the subject of economics.	Class participation/presentation and report
○	5. Students realize the cultural and environmental value of a sustainable society.	Class participation/presentation and report

2. Knowledge

Applicability	Expected Learning Outcomes	Evaluation Method
●	1. Students know and understand modern economics principles and theories, and are up to date with new developments.	Class participation/presentation and report
●	2. Students know and understand Thai and global economic structure and the importance of major international economic events.	Class participation/presentation and report
●	3. Students know and understand the instruments of economic analysis.	Class participation/presentation and report
●	4. Students know and understand applied fields in economics, including monetary, public, international, business, natural resource, and environmental, industrial, agricultural, cooperative, political, developmental, and entrepreneurial economics as well as agribusiness.	Class participation/presentation and report
○	5. Students are informed about related fields including sociology, business administration, education, law policy, and science.	Class participation/presentation and report

3. Intellectual Development

Applicability	Expected Learning Outcomes	Evaluation Method
●	1. Students have developed individual critical thinking.	Class participation/presentation and report
●	2. Students are sufficiently trained in research skills.	Class participation/presentation and report
●	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.	Class participation/presentation and report

4. Interpersonal Skills and Responsibilities

Applicability	Expected Learning Outcomes	Evaluation Method
●	1. Students are responsible for assigned tasks and work in groups effectively.	Class participation/presentation and report
●	2. Students have problem-solving skills.	Class participation/presentation and report
●	3. Students show leadership skills and team spirit.	Class participation/presentation and report
●	4. Students are always improving themselves.	Class participation/presentation and report
●	5. Students have good interpersonal skills, adapt, and work under different conditions.	Class participation/presentation and report

5. Quantitative Analysis, communication, and information technology

Applicability	Expected Learning Outcomes	Evaluation Method
●	1. Students select and apply appropriate statistical and mathematical methods for data processing, interpretation, conclusions, and recommendations to resolve problems.	Class participation/presentation and report

●	2. Students communicate effectively and select appropriate presentation methods.	Class participation/presentation and report
●	3. Students use information and communication technologies appropriately to gather data as well as process, interpret, and present results.	Class participation/presentation and report

Remark: ● Primary expected outcome ○ Secondary expected

Learning Management and Evaluation

CLO	PLO	Learning Management	Evaluation
CLO1.1 Identify meaningful research questions	K1,K2,K3, K4, C2	Class discussions; individual meetings; review of past research topics.	Participation; early-stage written submissions.
CLO1.2 Critically review and summarize academic literature.	S1, S2	Assigned journal readings; student-led paper discussions.	Paper summary assignments; in-class discussions.
CLO1.3 Design appropriate methodology for empirical or theoretical analysis.	S2,S3	Lectures on research methods; proposal writing workshops; group consultations.	Midterm draft submissions; individual feedback meetings.
CLO2.1 Present research progress clearly and constructively engage with feedback.	E3, C1,C3 C5	Progress presentations; peer comments; individual meeting sessions.	Progress presentation; final presentation.
CLO2.2 Produce a well-structured research report with academic integrity.	E1,E3,E4, C1,C4	Step-by-step writing support; outline reviews; feedback on structure and argumentation.	Final seminar paper (8,000–12,000 words).

Learning Assessment Plan

CLO	Methods of Learning Assessment	Assessment Week	Proportion of Assessment
CLO1.1 Identify meaningful research questions	Class participation; initial topic proposals.	Weeks 1–3	15%
CLO1.2 Critically review and summarize academic literature.	Paper summary assignments; leading paper discussions.	Weeks 4–6, 9–11	10%
CLO1.3 Design appropriate methodology for empirical or theoretical analysis.	Rough draft submissions; methodology feedback sessions.	Weeks 6–7, 13	25%
CLO2.1 Present research progress clearly and constructively engage with feedback.	Progress presentation; peer feedback during class.	Week 12, 16	25%
CLO2.2 Produce a well-structured research report with academic integrity.	Final presentation and final report.	Week 16 (presentation), Week 17 (report)	25%

Academic Calendar & Holiday Semester 2/2025

Semester 2/2025 (January 5 - May 2, 2026)	
Enrollment by import quota (Confirm quota Via REG TU) <i>(*ID.65 – 68)</i>	December 1 – 4, 2025
Tuition Fee Payment Period (Via TU Greats App) <i>(*ID.65 – 67)</i>	December 1, 2025 – January 2, 2026
Classes Begin	January 5, 2026
Add-drop period (Via REG TU) <i>(All *ID)</i>	January 5 – 18, 2026 <i>(from 9.00 AM of January 5 to 10.30 PM of January 18)</i>
Tuition Fee Payment Period (Via TU Greats App) (For Students who add-drop courses) <i>(All *ID)</i>	January 5 – 19, 2026 <i>(from 9.00 AM of January 5 to 10.30 PM of January 19)</i>
Withdrawal period with "W" on record	January 19 – March 15, 2026 <i>(from 9.00 AM of January 19 to 10.30 PM of March 15)</i>
Mid-term Examination Period	February 22 – 28, 2026
<i>Makha Bucha Day *</i>	<i>March 3, 2026</i>
Special Withdrawal with "W" on record	March 16 – April 20, 2026
<i>King Rama I Memorial and Chakri Day*</i>	<i>April 6, 2026</i>
<i>Songkran Festival Day*</i>	<i>April 13 – 18, 2026</i>
Last day of class for Semester 2/2025	May 2, 2026
<i>Royal Ploughing Ceremony*</i>	<i>May 11, 2026</i>
Final exam period	May 5 – 19, 2026
Submitting Forms for Degree Conferral (ID.64-65)	January 5 – 18, 2026

Remark * Holiday, no classes during this period.