

Course Outline
EE489 Seminar in Industrial Economics (Sec.046403)
Semester 2/2025

Number of Credits 3 credits

Lecture Time and Venue Monday, 9.00-12.00 hrs.,
Room: 304, Faculty of Economics

Teaching Materials Platform: **BE Moodle Enrollment Key:** 6254

GroupLINE QRcode:



Lecturer and Office Hours Associate Professor Dr. Kaewkwan Tangtipongkul
Room 458,
email: kaewkwan@econ.tu.ac.th
email for assignment/paper submission:
kaewkwan325@gmail.com

Office hours: by appointment

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

Course Description Seminar and research on specific topics in industrial economics with the lecturer's guidance.

Course Objectives:

In this course, students will learn to conduct 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.

Recommended textbooks & materials:

Economic Theories:

Church, J. & Ware, R. (2000). *Industrial organization: A strategic approach*. Boston: McGraw Hill.

Laffont, J.J. & Tirole J. (1993). *A theory of incentives in procurement and regulation*. Massachusetts: The MIT Press.

Motta, M. (2004). *Competition Policy. Theory and Practice*. Cambridge: Cambridge University Press

Pepall, L., Richards, D.J. & Norman. G. (2004). *Industrial Organization: Contemporary Theory and Practice*. South-Western College Publishing.

Shy, O. (1995). *Industrial Organization*. Massachusetts: The MIT Press.

Tirole, J. (1990). *The Theory of Industrial Organization*. Massachusetts: The MIT Press. *Handbook of Industrial Organization*, Volumes I, II, and III, North-Holland.

Econometrics:

Davis, P. & Garcés , E. (2009). *Quantitative Techniques for Competition and Antitrust Analysis*. Princeton University Press.

Greene, W.H. (2018). *Econometric Analysis*. New Jersey: Pearson Education.

Gujarati, D.N. (2015). *Econometrics by Example*, Red Globe Press.

Shum, M. (2016). *Econometric Models for Industrial Organization*. World Scientific Lecture Notes in Economics.

Train, K.E. (2009). *Discrete Choice Methods with Simulation*. Cambridge: Cambridge University Press.

Wooldridge, J. (2010). *Econometric Analysis of Cross-Section and Panel Data*. Massachusetts: The MIT Press.

Note: Students will be given some suggested readings and materials on how to do a successful research project throughout this course.

Teaching and Learning Approach:

1. Lectures

The objectives of classroom lectures are to equip the students with a good research practice, to provide step-by-step guidance to conduct their research projects in topics of interest, to highlight contentious aspects of research process and to effectively manage a research project. Lecturing also includes training session for citation, referencing and checking plagiarism.

2. Research

Since this course focuses on industrial economic issues, research topic of student's interest should be related to industrial economics and/or industrial policies.

Students will conduct research project and submit research report or article, of which the elements are:

0. Abstract
1. Introduction
 - a. Significance of Problem
 - b. Research Objective
 - c. Research Scope
2. Literature Review (Theories and/or Empirical Studies)
3. Analytical Framework and/or Research Methodology
 - a. Analytical or Conceptual Framework
 - b. Research Methodology and Data Sources
4. Result of Study
5. Conclusion and Policy Implications
 - a. Conclusion
 - b. Policy Implications
 - c. Limitation of Study
 - d. Future Study
6. References
7. Appendix (if available)

To write a clear and original research paper, students will practice reviewing and summarizing related literature concisely, citing the previous research papers carefully in students' research report and in a list of references and using footnote where necessary. Students have to follow the 6th edition of American Psychological Association style (APA Style 6th Edition) for referencing.

Throughout the semester, students will be assigned tasks as following.

Task 1: Students will choose any topics of interest, identify its significance and refine research objectives and scopes. Students will conduct a survey of previous studies and review literature. To accomplish this task, **students will submit "Introduction and Literature Review" in no more than 10 A4 pages together with a list of reference.**

Task 2: Students develop analytical framework and research methodology and **submit "Research Proposal" composing of element 1-3 in no more than 15 A4 pages together with a list of reference.** Approval of research topic and proposal by instructors is required before conducting research.

Task 3: Students conduct research independently under instructor's supervision and consultation. Students will apply the statistical techniques or econometric methods with data available and will analyze results of study. **Submission of "Draft Final Report (or Article)" will be composed of element 1-6 in no more than 30 A4 pages.**

Task 4: Students improve the report from comments and discussion in their seminar. **Submission of "Final Report (or Article)" will be composed of element 0-6 in no more than 35 A4 pages with the aim of publishing the paper in academic journal.**

Note: Paper length includes text, tables, figures, notes and etc. Date of submission of each task will be announced in the class.

Task 1-4 shall be submitted in electronic files both in Word Document and PDF format via email: kaewkwan325@gmail.com

According to code of ethics of “Thailand and The World Economy” journal, in this course students must

- ensure that the submitted report comprises original work by the students, with proper citations and sufficient details.
- ensure the report does not plagiarize other works, contain data fabrication and/or falsification, have duplicate submissions, ghost authors or contain citation manipulation.

Any violation of code of ethics will result in no assessment of any kind in that task.

3. Seminar

Student presentations are required along with submission of Task 1-3. Students will learn how to present their research works in seminar and conference within time limit and to discuss their works with the instructor and other students. Students will develop communication and presentation skills. All students must attend and participate in every seminar to exchange contributive and constructive idea, comment and advice.

Presentation 1: Journal Article (15 minutes)

Presentation 2: Introduction, Objective, and Literature Review (15-20 minutes)

Presentation 3: Research Proposal (20 minutes)

Presentation 4: Draft Final Report or Article (20-25 minutes)

Presentation 5: Final Report or Article (20-25 minutes)

Note: Students must prepare their presentations in advance. They are free to choose the presentation software. However, they have to submit electronic file in PDF format to the instructor before their seminar via email: kaewkwan325@gmail.com. Date and time slot of each presentation shall be scheduled and announced in the class. Students will be assigned to play a discussant’s role and to practice writing up discussion report.

Grading

	Score (%)
Task 1 and Presentation 1	5
Task 1 and Presentation 2	10
Task 2 and Presentation 3	15
Task 3 and Presentation 4	20
Task 4 and Presentation 5	25
Class participation and discussion in special guest lecture topic 1-4 and class attendance	25
Total	100

Note: Deadline of submission of each task and presentation is midnight on the specified dates.

Any late submission will result in deduction of 2% of final score a day.

About the assignments:

1. **Special guest lecture, class participation and paper summary** – Students are required to submit a 1-page summary of each paper that will be discussed in class.
2. **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.**

Expected Learning Outcomes:

1. Morality and Ethics EE489

Applicability	Expected Learning Outcomes
●	1.1 Students demonstrate integrity.
○	1.2 Students prioritize social and public benefits over personal ones.
●	1.3 Students are punctual and comply with the code of conduct of the institution and society at large.
●	1.4 Students are responsible and accountable to society, the nation, and the subject of economics.
○	1.5 Students realize the cultural and environmental value of the sustainable society.

2. Knowledge

Applicability	Expected Learning Outcomes
●	2.1 Students know and understand modern economics principles and theories, and are up to date with new developments.
●	2.2 Students know and understand Thai and global economic structure, and the importance of major international economic events.
●	2.3 Students know and understand instruments of economic analysis.
●	2.4 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.
○	2.5 Students are informed about related fields including sociology, business administration, education, law policy, and science.

3. Intellectual Development

Applicability	Expected Learning Outcomes
●	1.1 Students have developed individual critical thinking.
●	1.2 Students are sufficiently trained in research skills.

●	1.3 Students demonstrate an ability to analyze and synthesize data, as well as appropriately integrate economics concepts to understand causes of current economic problems in Thailand. Based on analysis and synthesis, students demonstrate an ability to propose policy guidelines to resolve problems.
---	---

4. Interpersonal Skills and Responsibilities

Applicability	Expected Learning Outcomes
●	4.1 Students are responsible for assigned tasks and work in groups effectively.
●	4.2 Students have problem-solving skills.
●	4.3 Students show leadership skills and team spirit.
●	4.4 Students are always improving themselves.
●	4.5 Students have good interpersonal skills, adapting and working under different conditions.

5. Quantitative Analysis, communication and information technology

Applicability	Expected Learning Outcomes
●	5.1 Students select and apply appropriate statistical and mathematical methods for data processing, interpretation, conclusions, and recommendations to resolve problems.
●	5.2 Students communicate effectively and select appropriate presentation methods.
●	5.3 Students use information and communication technologies appropriately to gather data as well as process, interpret, and present results.

Remark: ● Primary expected outcome ○ Secondary expected outcome

Course Title	Knowledge (K)				Skills (S)			Ethics (E)				Character (C)				
	K1	K2	K3	K4	S1	S2	S3	E1	E2	E3	E4	C1	C2	C3	C4	C5
EE489	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●

Learning Management and Evaluation

CLO	Learning Management	Evaluation
CLO1.1: K1, K2, K4, S1-S3, E1-E4, C1, C2 Identify meaningful research questions	Class discussions; individual meetings; review of past research topics.	Participation; early-stage written submissions.
CLO1.2: K1, K2, K4, S1-S3, E1-E4, C1, C2 Critically review and summarize academic literature.	Assigned journal readings; student-led paper discussions.	Paper summary assignments; in-class discussions.
CLO1.3 : K1, K2, K4, S1-S3, E1-E4, C1, C2	Lectures on research methods; proposal writing	Midterm draft submissions; individual feedback meetings.

CLO	Learning Management	Evaluation
Design appropriate methodology for empirical or theoretical analysis.	workshops; group consultations.	
CLO2.1 : K1, K2, K4, S1-S3, E1-E4, C1-C5 Present research progress clearly and constructively engage with feedback.	Progress presentations; peer comments; individual meeting sessions.	Progress presentation; final presentation.
CLO2.2: K1, K2, K4, S1-S3, E1-E4, C1-C5 Produce a well-structured research report with academic integrity.	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	10%
CLO1.2 Critically review and summarize academic literature.	Paper summary assignments; leading paper discussions.	Weeks 4–6, 9–11	15%
CLO1.3 Design appropriate methodology for empirical or theoretical analysis.	Rough draft submissions; methodology feedback sessions.	Weeks 6–7, 13	10%
CLO2.1 Present research progress clearly and constructively engage with feedback.	Progress presentation; peer feedback during class.	Week 12, 16	20%
CLO2.2 Produce a well-structured research report with academic integrity.	Final presentation and final report.	Week 16 (presentation), Week 17 (report)	45%

Tentative Class Schedule:

Date	Activities	Submission
5 Jan 2026	Lecture: <ul style="list-style-type: none"> - Introduction to EE489 - Review of Course and Research Resources. Identification of Topics. - How to develop research question and objectives from topics of interest. - Frontier research in industrial economics and policy - Literature search and review techniques 	

Date	Activities	Submission
	<ul style="list-style-type: none"> - Journal of Economic Literature (JEL) classification and Special Guest Lecture topic 1: Online information resource searching and library services Khun Phimpakwan Thananopparit Daerden, Thammasat University Library Research: Task 1 Training session: Citation, Referencing and checking plagiarism	
12 Jan 2026	Special Guest Lecture Topic 2: The Use of Statistical Data from the National Statistical Office (3 hours) National Statistical Office Example on <ul style="list-style-type: none"> - Data source and usage Research: Task 2	
19 Jan 2026	Research: Task 1 Seminar: Presentation 1 Present #1 PPT on 1-2 research paper on the topic that you are interested (15 minutes presentation) Individual Meetings to identify research topics, relevant literature	Presentation 1
26 Jan 2026	No class (Make up class on Saturday Jan 31 st , 2026)	
31 Jan 2026 (Saturday)	Special Guest Lecture Topic 3: Automating Research Scoping and Reviews with Agentic AI (3 hours) Assistant Professor Dr. Tiraphap Fakthong, Faculty of Economics, Thammasat University Class activity #1 Identify research topics+ Literature review Example on <ul style="list-style-type: none"> - Developing analytical framework - Selecting research methodology Research: Task 1	
2 Feb 2026	Special Guest Lecture Topic 4 : Utility and Life-Cycle Choices: An Economics Perspective (3 hours) Associate Professor Dr. Yalei Zhai, Center for Southeast Asian Studies, Kyoto University, Japan Example on <ul style="list-style-type: none"> - Developing analytical framework - Selecting research methodology - Data source and usage Research: Task 2	

Date	Activities	Submission
9 Feb 2026	Research: Task 2 Seminar: Presentation 2 Present #1 PPT on Tentative Research Topics + Introduction + Objectives of your paper + Literature review (15-20 minutes presentation) Paper discussion	Introduction and Literature review Presentation 2
16 Feb 2026	Special Guest Lecture Topic 5: The role of entrepreneurship in supporting industrial economics (3 hours) Associate Professor Dr. Berto Mulia Wibawa, Department of Business Management, Faculty of Creative Design and Digital Business, Institut Teknologi Sepuluh Nopember (ITS) in Surabaya, Indonesia. Example on <ul style="list-style-type: none"> - Developing analytical framework - Selecting research methodology - Data source and usage Research: Task 2	
23 Feb 2026	Midterm week No class – work on your paper	
2 March 2026	Research: Task 2 (Continue) Seminar: Presentation 3 Present #3 Research proposal (20 minutes presentation) Tentative Research Topics + Introduction + Objectives of your paper + Literature review + Theoretical Framework	Presentation 3 Research proposal
9 March 2026	Present #3 Research proposal (20 minutes presentation) Tentative Research Topics + Introduction + Objectives of your paper + Literature review + Theoretical Framework Lecture: <ul style="list-style-type: none"> - Data collection - Empirical strategies - Write a concise conclusion and giving policy recommendation - Identify limitation of study and suggesting future study - How to write an abstract - Role of discussant & Writing discussion report Research: Task 3 with consultation	Presentation 3 Research proposal (Continue)
16 March 2026	Research: Task 4 with consultation research: Online individual meetings	
23 March 2026	Research: Task 4 Seminar: Presentation 3	Presentation 4

Date	Activities	Submission
	Present #3 Draft final report (progress on work that has been done, problem encountered, further plan, scope of research adjustment) (20 minutes presentation) Research: Task 4 with consultation	
30 March 2026	Research: Task 4 Seminar: Presentation 3 Present #3 Draft final report (progress on work that has been done, problem encountered, further plan, scope of research adjustment) (20 minutes presentation) Submit Draft final report through Turnitin.com Research: Task 4 with consultation	Presentation 4 Draft Final Report
18 April 2026	Holiday Work on your paper Online individual meetings (if needed) Meetings & improve your papers	
20 April 2026	Research: Task 4 Seminar: Presentation 4 Present#5 Final report presentation + Comments on colleague's Final Draft Submit Comments on colleague's Final Draft by email	Presentation 5 Discussion report
27 April 2026	Research: Task 4 Seminar: Presentation 4 Present#4 Final report presentation + Comments on colleague's Final Draft Submit Comments on colleague's Final Draft by email Class Wrap up	Presentation 5 Discussion report
Submission of Final Report by May 11th 2026		