

Course Outline
EE489 Seminar in Industrial Economics
Semester 1/2026

Number of Credits 3 credits

Lecture Time and Venue Monday, 9.00-12.00 hrs.,

Room: TBA, Faculty of Economics

Teaching Materials Platform: BE Moodle Enrollment Key: 1147

GroupLINE QRcode:



Lecturer and Office Hours Associate Professor Dr. Kaewkwan Tangtipongkul
Room 458,
Email: kaewkwan@econ.tu.ac.th
Office hours: by appointment

Email for assignment/paper submission: kaewkwan325@gmail.com

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 (20 minutes)

Presentation 2: Research Proposal (25 minutes)

Presentation 3: Draft Final Report or Article (30 minutes)

Presentation 4: Final Report or Article (30 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 and 2	10
Task 2 and Presentation 3	10
Task 3 and Presentation 4	15
Task 4 and Presentation 5	40
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 discuss, ask questions, and submit a 1-page summary.
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.

CLO	Learning Management	Evaluation
CLO1.3: K1, K2, K4, S1-S3, E1-E4, C1, C2 Design appropriate methodology for empirical or theoretical analysis.	Lectures on research methods; proposal writing workshops; group consultations.	Midterm draft submissions; individual feedback meetings.
CLO2.1: K1, K2, K4, S1-S3, E1-E4, C1-C5 Present research progress clearly and constructively engages 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 1–4	15%
CLO1.2 Critically review and summarize academic literature.	Paper summary assignments; leading paper discussions.	Weeks 5–8	15%
CLO1.3 Design appropriate methodology for empirical or theoretical analysis.	Rough draft submissions; methodology feedback sessions.	Weeks 9-12	15%
CLO2.1 Present research progress clearly and constructively engage with feedback.	Progress presentation; peer feedback during class.	Week 13-15	15%
CLO2.2 Produce a well-structured research report with academic integrity.	Final presentation and final report.	Week 16-17 (presentation and report)	40%

Tentative Class Schedule:

Date	Activities	Submission
3 August 2026	Lecture: - 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
	- Journal of Economic Literature (JEL) classification	
10 August 2026	Special Guest Lecture Topic 1: The Use of Statistical Data from the National Statistical Office (3 hours) Mr. Saratrai Watcharaporn, Statistician (Expert Level) at the National Statistical Office Example on - Data source and usage Research: Task 1&2	Submit a 1-page summary.
17 August 2026	Special Guest Lecture Topic 2: Framework Development Assistant Professor Dr. Sukrit Vinayavekhin, Department of Operations Management at Thammasat Business School. Example on - What is framework? - How to develop framework? - Action research - Platt's process approach Research: Task 1&2	Submit a 1-page summary.
24 August 2026	Special Guest Lecture Topic 3: how to formulate research questions and understanding differences in methodologies. Ms. Naoko Takahashi, Research Fellow at IDE_JETRO Example on - Developing analytical framework - Selecting research methodology Research: Task 1&2	Submit a 1-page summary.
29 August 2026 (Saturday) On Zoom	Research: Task 1 Present #1 PPT on 1-2 research paper on the topic that you are interested (15 minutes presentation) Class activity #1 Identify research topics+ Literature review	Presentation 1
31 August 2026	Special Guest Lecture Topic 4: 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 Research: Task 1&2	Submit a 1-page summary.
7 September 2026	No class – Makeup on 29 August 2026 (On zoom)	

Date	Activities	Submission
14 September 2026	Research: Task 1 Present#2 PPT on Tentative Research Topics + Introduction + Objectives of your paper + Literature review (20 minutes presentation) Paper discussion	Presentation 2 Submit “Introduction and Literature Review”
21 September 2026	Midterm week No class – work on your paper	
26 September 2026 Saturday	Research: Task 2 with consultation research: Online individual meetings	
28 September 2026	Research: Task 2 Present#3 Research proposal (25 minutes presentation) Tentative Research Topics + Introduction + Objectives of your paper + Literature review + Theoretical Framework	Presentation 3 Submit “Research Proposal”
5 October 2026	Research: Task 2 Present#3 Research proposal (25 minutes presentation) Tentative Research Topics + Introduction + Objectives of your paper + Literature review + Theoretical Framework Discussion on - 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 Submit research proposal through Turnitin.com	
12 October 2026	Research: Task 3 with consultation research: Online individual meetings	
19 October 2026	Research: Task 3 Present #4 Draft final report (progress on work that has been done, problem encountered, further plan, scope of research adjustment) (30minutes presentation)	Presentation 4 Submission of “Draft Final Report (or Article)”
26 October 2026	Research: Task 3 Present #4 Draft final report (progress on work that has been done, problem encountered, further plan, scope of research adjustment) (30 minutes presentation) Submit Draft final report through Turnitin.com	

Date	Activities	Submission
2 November 2026	Research: Task 4 with consultation research: Online individual meetings	
9 November 2026	Research: Task 4 Present#5 Final report presentation + Comments on colleague's Final Draft (30minutes presentation) Submit Comments on colleague's Final Draft by email	Presentation 5 Submit Discussion report
16 November 2026	Research: Task 4 Present#5 Final report presentation + Comments on colleague's Final Draft (30minutes presentation) Submit Comments on colleague's Final Draft by email Class Wrap up	
Submission of "Final Report (or Article)" by November 24 th , 2026		