



1. General Information

Course Subject	ECON
Course Number	3236
Course Title	Economics of Artificial Intelligence
Academic Years	2026-2027
Grading Method	Letter

2. Instructors

Professor Suen, Wing Chuen
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Subclasses: 1A

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Subclasses: 1A

4. Course Description

Course Description	This course provides rigorous analysis of how the advances in artificial intelligence transform firms, the labor market, and the aggregate economy. This is NOT a course about how to use AI tools in economic analysis. Rather, it is about the economic and social impact of AI. The course will cover a wide range of topics regarding the impact of AI on jobs and employment, business strategy and management, innovations and firm dynamics, human capital and economic growth, and wellbeing. The course will be grounded on economic analysis and empirical methods, drawing on both micro and macro economics.
Prerequisites	ECON2210: Intermediate Microeconomics ECON2220: Intermediate Macroeconomics ECON2280: Introductory Econometrics

5. Course Objectives

1. Provide students with basic analytic tools for studying ideas, knowledge, innovation, and AI from the economics perspective.
2. Increase students' awareness of the economic and social impacts of recent advances of AI and digital technology
3. Develop students' ability to apply economics to real-world phenomena, business strategy, and policy analysis both theoretically and empirically
4. Enhance students' ability of critical thinking

6. Faculty Learning Goals
Goal 1: Acquisition and internalization of knowledge of the programme discipline
Goal 2: Application and integration of knowledge
Goal 3: Inculcating professionalism
Goal 4: Developing global outlook
Goal 5: Mastering communication skills
Goal 6: Cultivating leadership

7. Course Learning Outcomes						
Course Teaching and Learning Activities	Aligned Faculty Learning Goals					
	1	2	3	4	5	6
CLO1. Explain the fundamental economic problems associated with knowledge and artificial intelligence	✓	✓	✓	✓		
CLO2. Analyze the business opportunities and challenges raised by advances in AI and digital technology		✓	✓	✓	✓	✓
CLO3. Describe and interpret economic analysis of information, innovation, and technological progress	✓	✓			✓	
CLO4. Apply theoretical models and empirical methods to solve real economic and business problems	✓	✓	✓		✓	✓

8. Course Teaching and Learning Activities		
Course Teaching and Learning Activities #	Expected Study Hours	Study Load (% of study)
T&L1. Interactive Lectures	36	30
T&L2. Reading course material including research papers	36	30
T&L3. Homework assignments	36	30
T&L4. Group discussion	12	10
	Total: 120	Total: 100

9. Assessment Methods			
Assessment Methods	Description	Weight %	Aligned Course Learning Outcomes
A1. Homework assignment		30%	1,2,3,4
A2. Class participation and discussion		20%	1,2,3,4
A3. Final Exam		50%	1,2,3,4

10. Course Grade Descriptors

A+,A,A-	• Demonstrate a strong understanding of all relevant knowledge • Handling questions professionally • High participation in discussions • Present arguments that have an element of originality • Achieve a standard of excellent performance in the exams with very accurate computation and very good analytical and problem solving skills • Excellent performance in assignments
B+,B,B-	• Demonstrate a good understanding of all relevant knowledge • Handling questions in a logical way • Good participation in discussions • Present arguments that go beyond the lecture and textbook • Achieve a standard of good performance in the exams with accurate computation and good analytical and problem solving skills • Good performance in assignments
C+,C,C-	• Demonstrate a basic understanding of the concepts involved • Fairly address questions as set • Some participation in discussions • Present arguments in a well-structure manner • Meet a standard of acceptable performance in the exams with reasonably accurate computation and acceptable analytical and problem solving skills • Acceptable performance in assignments
D+,D	• Demonstrate a minimum understanding of the concepts involved • Barely address questions as set • Minimal or no participation in discussions • Present arguments in a marginally acceptable manner • Meet a standard of marginally acceptable performance in the exams with some errors in computation and barely adequate analytical and problem solving skills • Marginally acceptable performance in assignments
F	• Demonstrate a poor understanding of the concepts involved • Unable or unwilling to handle questions • Minimal or no participation in discussions • Present arguments poorly • Fail to meet a standard of passing the exams with major errors in computation and inadequate analytical and problem solving skills • Poorly performance in assignments

11. Course Content and Tentative Teaching Schedule

Topic/ Session	Content
1	Knowledge and tasks
2	Jobs and employment
3	Human capital: training and education
4	Incentive provision
5	Evaluation and monitoring
6	Hierarchy and power
7	Firm dynamics and growth
8	Wellbeing

12. Required/Recommended Readings & Online Materials

Reading	Reference book: Messy Jobs: the Work that AI cannot reach, by Luis Garicano, Jin Li, and Yanhui Wu, A pdf version of the relevant book chapters will be distributed. A set of slides and lecture notes as well as reading material (including academic papers and newspaper articles) will be posted to Moodle in due course.
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13. Means / Processes for Student feedback on Course

	Conducting mid-term survey in addition to SETL around the end of the semester
	Online response via Moodle site
	Others

14. Course Policy

An orderly learning environment is extremely important for this course. Disruptive behaviors are absolutely unacceptable. Academic dishonesty includes cheating, plagiarism, unauthorized collaboration, falsifying academic records, and any act designed to avoid participating honestly in the learning process. Any such dishonesty will result in an F grade.

15. Additional Course Information

Assignments will be submitted in class before the lectures. No late assignment will be accepted. Lecture notes and self-learning materials will be uploaded on Moodle.