

## Syllabus

Spring Semester (2023)

### 1. Class Information

Course name	Mathematics for Economics		
Course Code	ECOP180(00)	Completion division	Major
Department	Economic Policy	Credits(hour)	3(3) ( 3 )
Instructor Name	Lee, Seong-Hoon	Level	
Contact Info. / Office	0448601512	Office hour	
Lecture Time	Tue Thur	Lecture Room	33- 33-

### 2. Core Competencies

Frontier Spirit	Sharing and Collaboration	Pragmatic Practice	Creative Convergence	Global Leadership
			●	

Very highly correlated: ● Highly correlated: ◐

### 3. Major Competence (Write only for Major courses)

Competence 1	Competence 2	Competence 3	Competence 4	Competence 5
경제학 기반 의사결정 능력				

\* Ask for your department office to make sure 'Major Competence'.

### 4. Class Type

Class Activity	<input type="checkbox"/> Lecture	<input type="checkbox"/> Presentation	<input type="checkbox"/> Discussion	<input type="checkbox"/> Experiment	<input type="checkbox"/> Practice
	<input type="checkbox"/> Group Activity	<input type="checkbox"/> Individual Activity	<input type="checkbox"/> Group Guidance	<input type="checkbox"/> Quiz	<input type="checkbox"/> Q & A
Attendance Check	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Unsupervised Exam	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Description					

### 5. Evaluation

Quiz: 40	Midterm: 20	Final: 30	Attendance: 10	Total: 100
Evaluation Feedback	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Evaluation Plan Description	Abs			

## 6. Course Planning

Class Description	To introduce Mathematics for Economics
Correlation with core competences and departmental objectives	Ability necessary to make good economic analysis with creative convergence of innovation and creativity based on the service and responsibility learned in the advanced economic courses
Study Objectives	To cover the theoretical and practical tools of Mathematics for Economics necessary to make good economic analysis
Class Objectives	To apply the theory in the advanced economic courses
Prerequisite Subjects	Students who are not in Economics department should have not taken mathematics related course. (타과학생은 수학과목을 듣지 않은 학생만 수강이 가능합니다. 타과학생이 수강신청할 경우 수학과목을 듣지 않았음을 증명할 성적증명서를 제출하시오.)
Textbook & References	<b>Textbook:</b> Introductory Mathematical Analysis for Business, Economics, and the Life and Social Sciences, Haeussler / Paul / Wood  <b>References:</b>
Homework	Will be announced

## 7. Course Schedule

Week	Period	Freq.	Core Competencies	Studying Contents	Textbook	Activity
1	09.01 – 09.07	1	Creative Convergence	Introduction		
2	09.08 – 09.14	2	Creative Convergence	Review of Algebra		
3	09.15 – 09.21	3	Creative Convergence	Applications and More Algebra		
4	09.22 – 09.28	4	Creative Convergence	Functions and Graphs		
5	09.29 – 10.05	5	Creative Convergence	Lines, Parabolas, and Systems		
6	10.06 – 10.12	6	Creative Convergence	Systems and Quiz 1		
7	10.13 – 10.19	7	Creative Convergence	Exponential and Logarithmic Functions		
8	10.20 – 10.26	8	Creative Convergence	Mid-term Exam		
9	10.27 – 11.02	9	Creative Convergence	Matrix Algebra		
10	11.03 – 11.09	10	Creative Convergence	Matrix Algebra		
11	11.10 – 11.16	11	Creative Convergence	Limits and Continuity		
12	11.17 – 11.23	12	Creative Convergence	Continuity and Quiz 2		
13	11.24 – 11.30	13	Creative Convergence	Differentiation		
14	12.01 – 12.07	14	Creative Convergence	Additional Differentiation Topics		
15	12.8 – 12.14	15	Creative Convergence	Curve Sketching		
16	12.15 – 12.21	16	Creative Convergence	Final Exam		

## 8. Support for Disabled Students

Disabled students may have extended time for the assignments, mid-term exam and final exam and may have assistant in need.

## 9. Student Learning Ethics and Obligations

Students participating in the educational activities of our school have the following general obligations in all processes of taking courses (lecture attendance, creation and submission of assignments, examination, etc.):

- Learners actively participate in all learning with honesty and passionate attitudes based on the purpose of the university and the educational philosophy of our school.
- Learners are aware of their position as students receiving higher education and devote themselves to creative learning based on moral sensitivity.
- Learners must faithfully implement matters promised by faculty members and fellow students in connection with educational activities.
- Learners respect the character of teachers and other students and observe basic manners.

In the course of learning, plagiarism and the duplicate use of other class tasks, when it is found that it is acquired by dishonest behavior such as examination misconduct or other unreasonable method of obtaining unit, even if it is a unit already certified, will result in the cancellation of that unit. Also, you can undertake disciplinary actions such as suspension, withdrawal, and expulsion, taking into account the circumstances of the act.

The school operates the plagiarism inspection system (Blackboard) to promote the awareness of learning ethics and to promote creativity, and students must confirm whether they fall under plagiarism in advance when submitting tasks.