

0201E317**Mathematics for Economics I****Time:** December 22, 2025 - January 9, 2026; Mon.-Fri., 8:40am-12:00pm**Office Hours:** 2 hours (according to the teaching schedule)**Contact Hours:** 60 (50 minutes each)**Credits:** 4**Location:** Online, Zoom**Instructor:** TBA**E-mail:** TBA**Course Description**

In this course, we will study the notion of functions, limits and continuity, classical functions, derivatives and their interpretation, exponential functions, inverse functions, differentiation rules, logarithmic functions, and their derivatives, linear approximation, differentials, elasticity, local and global extrema, higher-order derivatives, and convexity, function of several variables, optimization for functions of several variables, and partial derivatives.

Course Schedule

Please note that the schedule is meant to give an overview of the major concepts in this course. Changes may occur in this calendar as needed to aid in the student's development.

Week	Topics
I	Review Essentials of Logic and Set Theory Algebra Solving Equations
II	Functions of One Variable Properties of Functions Differentiation Derivatives in Use Midterm Exam
III	Concave and Convex Functions Optimization Multivariable optimization Final Exam

Grading Policy

Your semester grade will be based on homework and exams.

Homework:	Four Assignments	$10\% * 5 = 40\%$
Exams:	Two Exams	$30\% * 2 = 60\%$
TOTAL		100%

Homework and Exams:

There will be four assignments during the semester. Each assignment counts for 10% of your semester grade. The assignments are due on the Monday of next week. There will be two exams during the semester, each at 30% of the total grade. The exams will be due on the Friday of the respective week. All submissions are due at 11:59 am Beijing Time. For each calendar day an assignment is delayed, 20% discount would apply to the grade. For the exams, **no late submission** will be accepted.

Grading Scale

The instructor will use the grading system as applied by JNU:

Definition	Letter Grade	Score
Excellent	A	90~100
Good	B	80~89
Satisfactory	C	70~79
Poor	D	60~69
Failed	E	Below 60

Attendance

You are expected to log in to Zoom to attend the class and participate in class discussions. Attendance would be recorded each class and forms part of students' participation record. Students should inform the instructor at the earliest opportunity if they need to ask for a leave. All absences may have negative effect on students' final grades.

Academic Integrity

As members of the Jinan University academic community, students are expected to be honest in all of their academic coursework and activities. Academic dishonesty includes (but is not limited to) cheating on assignments or examinations; plagiarizing, i.e., misrepresenting as one's own work any work done by another; submitting the same paper, or a substantially similar paper, to meet the requirements of more than one course without the approval and consent of the instructors concerned; or sabotaging other students' work within these general definitions. Instructors, however, determine what constitutes academic misconduct in the courses they teach. Students found guilty of academic misconduct in any portion of the academic work face penalties that range from the lowering of their course grade to awarding a grade of E for the entire course.