

1. Course Identity

Course name	Basic Mathematics for Economics and Business		
Faculty	Business and Economics	Study Program	Economics
Code	SIE125	Credit	3
Group	Study program	Course Status	Compulsory
Semester	1	Availability	Limited
Learning Method	In-class	Media	Blended
Course Group	Core Courses	Prerequisite	-

2. Course Description

This course aims to develop students' Mathematical capability in solving economic problems in daily life. The materials of this course include linear and non-linear functions and their application to the economy, including differential and integral calculus. Students should have basic knowledge of Algebra and Arithmetic to take this course.

3. Learning Outcome

Code GLO	Formulation of Graduate Learning Outcome (GLO)	Code CLO	Formulation of Course Learning Outcome (CLO)
E	Able to master quantitative logical reasoning to analyze business phenomena, finance, and economic development.	E1	Able to master quantitative logical reasoning to complete economic analysis by using equations and graphs.
G	Able to apply logical, critical, systematical, and innovative thinking in solving problems in science and technology	G1	Able to use fundamental principles of arithmetic and algebra to solve economic and financial problems logically and systematically.

4. Study Materials and main References

Study Materials	Quantitative and Calculus Methods
Main References	[1] Ian Jacques, 2015, Mathematics for Economics and Business, Pearson Educational Limited, Jul 22. [2] Mike Rosser, 2003, Basic Mathematics for Economists, 2th Edition, Routledge, London, and New York. [3] Dumairy, 2006, Matematika Terapan untuk Bisnis dan Ekonomi, Edisi 4, BPFE-UGM, Yogyakarta. [4] Budnick, 1993, Applied Mathematical for Business, Economic and Social Sciences, Mc Graw-Hill, Singapore.

Date:	Date:	Date:
Approved by the Deas	Checked by the Head of Study Program	Prepared by:
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