

**Description of Course Unit**

Course unit title	Introduction to Mathematics
Course unit code	EI 21202
Type of course unit (compulsory, optional)	Compulsory
Level	Bachelor of Economic (B.Ec)
Semester	2
Number of credits	3
Name of lecturer(s)	1. Diah Setyawati Dewanti, S.E., M.Sc., Ph.D. (ddewanti@umy.ac.id) 2. Fitra Prasapawidya Purna, S.E., M.Sc.
Learning outcomes of the course unit	<ol style="list-style-type: none">1. Students are able to understand basic rules and perform calculations of powers and logarithms.2. Students are able to understand series rules and apply their use in economics3. Students are able to understand algebra rules and solve algebra problems4. Students are able to understand differentiation rules and solve differentiation problems5. Students are able to understand integral rules and solve ntegral problems6. Students are able to understand (C2) matrix rules and perform matrix calculation operations (S1, KU1)
Mode of delivery (face-to-face, distance learning)	Face-to-face and blended learning
Prerequisites and co-requisites	All compulsory courses from semester 1-5
Course content	<p>Introduction Mathematics is the basic course for economists to study concerning quantitative analysis approach. This subject started with practical calculation from mathematics and applied in Economics review.</p> <ol style="list-style-type: none">1. Powers & logarithms2. Row3. Introduction to algebra4. Advanced algebra5. Algebraic factorization6. Algebraic solutions7. Introduction to differentiation8. Advanced differentiation9. Differentiation rule



	10. Integral 11. Matrix
Recommended or required reading and other learning resources/tools	1. Macquarie University Mathematical Skills (MUMS) module

Planned learning activities and teaching methods	Tutorial, case study, self-directed study, discovery learning, role play, simulation, focus group discussion, cooperative learning,
Language of instruction	Indonesian and English for international class
Assessment methods and criteria	Quiz, assignment, Evaluation Course Learning Outcome (ECLO)

GRADE	SCORE (%)	PREDICATE	Description	Conversion Value
A	$80 \geq ..$	Excellence	Achieve learning outcomes with excellence grade	4
AB	$75 \leq AB < 80$	Very Good	Achieve learning outcomes with very good grade	3,5
B	$65 \leq B < 75$	Good	Achieve learning outcomes with good grade	3
BC	$60 \leq BC < 65$	Good Enough	Achieve learning outcomes with good enough grade	2,5
C	$50 \leq C < 60$	Enough	Achieve learning outcomes with enough grade	2
D	$35 \leq D < 50$	Less	Achieve learning outcomes with less grade	1
E	$.. < 35$	Failed	Failure to achieve learning outcomes	0