



UNIVERSITAS NEGERI YOGYAKARTA

FACULTY OF MATHEMATICS AND NATURAL SCIENCES
DEPARTMENT OF MATHEMATICS EDUCATION

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Bachelor of Education in Mathematics

MODULE HANDBOOK

Module name:	Mathematical Economics
Module level, if applicable:	Undergraduate
Code:	MAA6307
Sub-heading, if applicable:	-
Classes, if applicable:	-
Semester:	6 th
Module coordinator:	Rosita Kusumawati, M.Sc.
Lecturer(s):	Rosita Kusumawati, M.Sc.
Language:	Bahasa Indonesia
Classification within the curriculum:	Elective course
Teaching format / class hours per week during the semester:	150 minutes lectures and 180 minutes structured activities per week.
Workload:	Total workload is 136 hours per semester which consists of 150 minutes lectures, 180 minutes structured activities, and 180 minutes self study per week for 16 weeks.
Credit points:	3
Prerequisites course(s):	Integral Calculus (MAT6307)
Course outcomes:	After taking this course the students have ability to: CO1. Demonstrate collaborative attitude and independence in carrying out individual tasks and group assignments CO2. Communicate ideas in solving mathematical problems in writing or verbally

	<p>CO3. Describe concepts and methods in economic mathematics and basic accounting</p> <p>CO4. Applying concepts and methods in economic mathematics and basic accounting</p>																							
Content:	<p>This course contains a discussion of returns or interest rates, annuity models, special topics on micro and macroeconomic mathematics, and basic accounting principles.</p>																							
Study/exam achievements:	<p>Attitude assessment is carried out at each meeting by observation and / or self-assessment techniques using the assumption that basically every student has a good attitude. The student is given a value of very good or not good attitude if they show it significantly compared to other students in general. The result of attitude assessment is not a component of the final grades, but as one of the requirements to pass the course. Students will pass from this course if at least have a good attitude.</p> <p>The final mark will be weight as follow:</p> <table border="1" data-bbox="673 1150 1429 1543"> <thead> <tr> <th>No</th> <th>CO</th> <th>Assesment Object</th> <th>Assessment Techniques</th> <th>Weight</th> </tr> </thead> <tbody> <tr> <td rowspan="5">1</td> <td rowspan="5">CO2, CO 3 and CO 4</td> <td>a. Individual assignments</td> <td rowspan="5">Written test</td> <td>15%</td> </tr> <tr> <td>b. group assignments</td> <td>10%</td> </tr> <tr> <td>c. Quiz</td> <td>20%</td> </tr> <tr> <td>d. MID</td> <td>25%</td> </tr> <tr> <td>e. Final Exam</td> <td>30%</td> </tr> <tr> <td colspan="4">Total</td> <td>100%</td> </tr> </tbody> </table>	No	CO	Assesment Object	Assessment Techniques	Weight	1	CO2, CO 3 and CO 4	a. Individual assignments	Written test	15%	b. group assignments	10%	c. Quiz	20%	d. MID	25%	e. Final Exam	30%	Total				100%
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Forms of media:	<p>Board, LCD Projector, Laptop/Computer</p>																							
Literature:	<ol style="list-style-type: none"> 1. Kellison, S.G., 1991, Theory of Interest, 2nd Edition, Mc Graw Hill. 2. Mikro Ekonomi Teori Pengantar 2016, Sardono Sukirno, Edisi 3, Rajawali Press. 																							

	<p>3. Makro Ekonomi Teori Pengantar, 2016, Sardono Sukirno, Edisi 3, Rajawali Press.</p> <p>4. PSAK (Indonesia Statement of Financial Accounting Standards).</p>
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PLO and CO Mapping

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10	PLO11	PLO12
CO1		✓										
CO2				✓								
CO3						✓						
CO4							✓					