



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:	Digest of Mathematics Education
Module level, if applicable:	Undergraduate
Code:	PMA6222
Sub-heading, if applicable:	-
Classes, if applicable:	-
Semester:	7 th
Module coordinator:	Ilham Rizkianto, M.Sc.
Lecturer(s):	Ilham Rizkianto, M.Sc.
Language:	Bahasa Indonesia
Classification within the curriculum:	Elective Course
Teaching format / class hours per week during the semester:	100 minutes lectures and 120 minutes structured activities per week.
Workload:	Total workload is 90,67 hours per semester which consists of 100 minutes lectures, 120 minutes structured activities, and 120 minutes self-study per week for 16 weeks.
Credit points:	2
Prerequisites course(s):	-
Course outcomes:	After taking this course the students have ability to: CO1. Demonstrate collaborative attitude and independence to do individual or group assignments CO2. Communicate ideas in solving mathematics education problems both in writing and oral CO3. Study latest issues in mathematics learning

	<p>CO4. Design mathematics learning that can support the final project</p> <p>CO5. Write scientific papers</p>															
Content:	In this course, students are facilitated to study the latest issues in mathematics education, use the knowledge developed to design learning activities and to write scientific papers that can support the preparation of the final project.															
Study/exam achievements:	<p>Teaching learning activities of this lesson consists of the expositions by the lecture, classroom question and answer, sharing ideas, experiences, students' assignments, students' presentation, scientific papers, and browsing as well as developing internet website. The competences of the students cover their motivations, their attitudes, their knowledge, their skills and their experiences. These competencies are identified, assessed, and measured through their teaching learning activities, their assignments, their participations, the mid semester test, the final test and portfolios.</p> <p>The final mark will be weight as follow:</p> <table border="1"> <thead> <tr> <th>No</th> <th>CO</th> <th>Assessment Object</th> <th>Assessment Technique</th> <th>Weight</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>CO2, CO3, CO4, and CO5</td> <td>a. Individual assessment b. Group assessment (including presentation or scientific paper) c. Portofolio d. Mid exam e. Final exam</td> <td>Written test</td> <td>5% 20% 10% 25% 40%</td> </tr> <tr> <td colspan="4">Total</td> <td>100%</td> </tr> </tbody> </table>	No	CO	Assessment Object	Assessment Technique	Weight	1	CO2, CO3, CO4, and CO5	a. Individual assessment b. Group assessment (including presentation or scientific paper) c. Portofolio d. Mid exam e. Final exam	Written test	5% 20% 10% 25% 40%	Total				100%
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Total				100%												
Forms of media:	Board, LCD Projector, Laptop/Computer															
Literature:	<ol style="list-style-type: none"> 1. Mathematics Teacher, National Council of Teachers of Mathematics. 2. Teaching Matematics in Middle Schools, National Council of Teachers of Mathematics. 3. Journal of Research in mathematics Education, , National Council of Teachers of Mathematics. 4. Jurnal-jurnal Pendidikan Matematika Nasional Terakreditasi 															

PLO and CO Mapping

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10	PLO11	PLO12
CO1		✓										
CO2			✓									
CO3							✓					
CO4								✓				
CO5							✓					