



# 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:	Qualitative Research
Module level, if applicable:	Undergraduate
Code:	PMA6218
Sub-heading, if applicable:	-
Classes, if applicable:	-
Semester:	7 <sup>th</sup>
Module coordinator:	Heri Retnawati, Dr.
Lecturer(s):	Heri Retnawati, Dr.; Endah Retnawati, Ph.D.; Wahyu Setyaningrum, Ph.D.
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):	Research Methodology for Mathematics Education (PMA6311)

Course outcomes:	<p>The aim of the lesson is to facilitate the students of mathematics education to have experiences to learn and synthesize the theses and its anti-theses of the ontological, epistemological, and axiological aspects of mathematics and mathematics education. After taking this course the students have ability to:</p> <p>CO1. Differentiate qualitative and quantitative research  CO2. Formulate problems in qualitative research  CO3. Conduct theoretical studies from various library sources  CO4. Utilize suitable data collection techniques in qualitative research  CO5. Develop research instruments  CO6. Conduct data analyses in qualitative research using many models  CO7. Report and review research results  CO8. Conduct mini qualitative research in mathematics education</p>																															
Content:	<p>This course discusses differentiate qualitative and quantitative research, formulate problems in qualitative research, conduct theoretical studies from various library sources, utilize suitable data collection techniques in qualitative research, develop research instruments, conduct data analyses in qualitative research using many models, report and review research results, conduct mini qualitative research in mathematics education.</p>																															
Study/exam achievements:	<p>The assessment is conducted by observation and/or test/quiz, portfolio, and self-assessment techniques. using the assumption that basically every student has a good attitude.</p> <p>The final mark will be weight as follow:</p> <table border="1" data-bbox="537 1430 1323 1801"> <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>CO1 – CO8</td> <td>a. Individual assignment</td> <td rowspan="5">Written test</td> <td>10%</td> </tr> <tr> <td></td> <td></td> <td>b. Group assignment (including presentation or scientific paper)</td> <td>20%</td> </tr> <tr> <td></td> <td></td> <td>c. Portofolio</td> <td>10%</td> </tr> <tr> <td></td> <td></td> <td>d. Mid exam</td> <td>30%</td> </tr> <tr> <td></td> <td></td> <td>e. Final exam</td> <td>30%</td> </tr> <tr> <td colspan="3"></td> <td>Total</td> <td>100%</td> </tr> </tbody> </table>	No	CO	Assessment Object	Assessment Technique	Weight	1	CO1 – CO8	a. Individual assignment	Written test	10%			b. Group assignment (including presentation or scientific paper)	20%			c. Portofolio	10%			d. Mid exam	30%			e. Final exam	30%				Total	100%
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