



UNIVERSITAS NEGERI YOGYAKARTA
GRADUATE SCHOOL
MASTER OF EDUCATION IN MATHEMATICS

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Master of Education in Mathematics

MODULE HANDBOOK

Module name:	Mathematics Teaching Practicum
Module level,if applicable:	Graduate
Code:	PMA8209
Sub-heading,if applicable:	-
Classes,if applicable:	-
Semester:	3 rd
Module coordinator:	Jailani
Lecturer(s):	Jailani
Language:	Bahasa Indonesia
Classification within the curriculum:	Compulsory Course
Teaching format	Lecture: Face-to-face learning, presentation and discussion Structured Activities: individual assignment/project, group assignment/project
Workload:	Lecture: 100 minutes/week Structured Activities: 120 minutes /week Self-Study: 120 minutes /week Total: 5440minutes/semester or 90,67 hours/semester
Creditpoints:	2
Prerequisites course(s):	Educational Research Methodology, Assessment of Mathematics Learning, Method of Teaching Mathematics
Course Outcomes	After taking this course the students have ability to: CO1. Compose the classroom action research proposal to improve the learning outcome of affective domain and quality on mathematics learning CO2. Conduct to the accurate collaborative classroom actions research (CCAR)with mathematics teacher(s), or

	CO3. Conduct to quasi experiment research of his/her thesis proposal tryout (QERTPT)																								
Content:	Mathematics learning model/method types review, research methodology types review, to identify the mathematics, make a plan to solve the problems by CCAR, conduct the CCAR, presentation of the result of his/her research, making the report of his/her CCAR/ QERTPT																								
Study/exam achievements:	The final mark will be weight as follow: <table><tr><th>No</th><th>CO</th><th>Assessment Object</th><th>Assessment Technique</th><th>Weight</th></tr><tr><td rowspan="4">1</td><td rowspan="4">CO1 CO2 CO3</td><td>a. Lecture attendance, participation on discussion participation</td><td>Lecture activities Presentation / written test</td><td>10%</td></tr><tr><td>b. Individual and group assignment</td><td>Presentation and discussion, Compose of CCAR/ QERTPT report</td><td>25%</td></tr><tr><td>c. Mid exam</td><td></td><td>30%</td></tr><tr><td>d. Final exam</td><td></td><td>35%</td></tr><tr><td colspan="4">Total</td><td>100%</td></tr></table>	No	CO	Assessment Object	Assessment Technique	Weight	1	CO1 CO2 CO3	a. Lecture attendance, participation on discussion participation	Lecture activities Presentation / written test	10%	b. Individual and group assignment	Presentation and discussion, Compose of CCAR/ QERTPT report	25%	c. Mid exam		30%	d. Final exam		35%	Total				100%
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Forms of media:	Board, LCD Projector, Laptop/Computer																								
Literature:	Research Methodology and Learning Method textbooks reference: 1. Cambell, Anne dan Smith, Susan G. 2010. <i>Action Research in Education, Volume 1, 2, dan 3</i>. Far East Square, Singapore: Sage Publication Asia-Pacific. 2. Hopkins, D. 2008. <i>A Teacher's Guide to Classroom Research</i>. New York, NY: McGraw Hill Open University Press. 3. Kenneth S. dan Abbott, Bruce B. 2008. <i>Research Design and Method</i>. Burr Ridge, IL: McGraw-Hill International (Educational Research Methodology textbooks) 4. Joyce, Bruce & Weil, Marsha. 1996. <i>Models of Teaching</i>. Boston: Allyn and Bacon. 5. Silver, E.A. (Ed.) 1985. <i>Teaching and Learning Mathematical Problem Solving: Multiple Research Perspectives</i>. Hillsdale, NJ.: Lawrence Erlbaum Associates. 6. Slavin, R.E. 1995. <i>Cooperative Learning: Theory,</i>																								

	<i>Research, and Practice</i>. Boston, MA: Allyn and Bacon. Government policy in education reference : 1. Permen Diknas No. 22 Tahun 2006 tentang <i>Standar Isi</i> 2. Permen Diknas No. 23 Tahun 2006 tentang <i>Standar Kompetensi Lulusan</i> 3. Permen Diknas No. 20 Tahun 2007 tentang <i>Standar Penilaian</i> 4. Permen Diknas No. 41 Tahun 2007 tentang <i>Standar Proses</i> 5. Panduan Penyusunan KTSP dari BSNP. 6. Permendikbud No. 70 Tahun 2013 tentang Kompetensi dasar dan Struktur Kurikulum SMK-MK. 7. Permendikbud No. 20, 21, 22, 23, dan 24 Tahun 2016 8. NCTM. (2000). <i>Principles and Standards for School Mathematics</i>. Reston, VA: NCTM.
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PLO and CO mapping

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9
CO1		✓							
CO2			✓						
CO3			✓						