



UNIVERSITAS NEGERI YOGYAKARTA
GRADUATE SCHOOL
MASTER OF EDUCATION IN MATHEMATICS

Jalan Colombo Nomor 1 Yogyakarta 55281

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Master of Education in Mathematics

MODULE HANDBOOK

Module name:	Assessment of Mathematics Learning
Module level, If applicable:	Graduate
Code:	PMA8207
Sub-heading, if applicable:	-
Classes, if applicable:	Class A, B, and C
Semester:	2 nd
Module coordinator:	Dr. Kana Hidayati, M.Pd.
Lecturer(s):	Dr. Kana Hidayati, Dr. Heri Retnawati, Dr. Jailani, Dr. R. Rosnawati.
Language:	Bahasa Indonesia
Classification within the curriculum:	Compulsory Course
Teaching format / class Hours per week during the semester:	Lecture: Classical meeting (100 minutes/week) Structured Activities (120 minutes/week)
Workload:	Lecture: 100 minutes/week Structured activities: 120 minutes/week Self-Study: 120 minutes/week Total: 5440/semester or 90.67 hours/semester
Credit points:	2
Prerequisite course(s):	Statistics (PAS8203)
Course Outcomes	After taking this course the students have ability to: CO1. Describe the meaning of tests, measurements, assessments, evaluations, and examinations, and their relation to learning and government policies in the field

	of assessment. CO2. Determine the validity and reliability of an instrument. CO3. Recognize the forms of instrument (test and non test) for assessment purposes and understand the procedures for preparation and development. CO4. Develop good test and non-test instruments and conduct qualitative and quantitative analysis. CO5. Analyze test and non-test instruments that are in accordance with the plan of the students' thesis																						
Content:	This course discusses basic concepts in learning assessment; instrument validity and reliability; the form of a test or non-test instrument; planning, creating and developing test and non-test instruments for mathematics learning; and qualitative and quantitative analysis of test and non-test instruments (in manuals and computer program packages).																						
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 CO4 CO5</td><td>a. Individual Assignment</td><td>Presentation</td><td>20%</td></tr><tr><td>b. Group Assignment</td><td rowspan="3">Written test</td><td>15%</td></tr><tr><td>c. Mid</td><td>30%</td></tr><tr><td>d. Final Exam</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 CO4 CO5	a. Individual Assignment	Presentation	20%	b. Group Assignment	Written test	15%	c. Mid	30%	d. Final Exam	35%	Total				100%
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1	CO1 CO2 CO3 CO4 CO5	a. Individual Assignment	Presentation	20%																			
		b. Group Assignment	Written test	15%																			
		c. Mid		30%																			
		d. Final Exam		35%																			
Total				100%																			
Forms of media:	Board, LCD Projector, Laptop/Computer																						
Literature:	Primary Literature (A)																						

	1. Miller, M.D., Linn, R.L., & Gronlund, N.E. 2009. <i>Measurement and Assessment in Teaching</i>. Upper Saddle River, N.J. : Pearson 2. Nitko, Anthony J. 2007. <i>Educational Assessment of Students</i>. Englewood Cliffs. NJ: Prentice-Hall, Inc. 3. Popham, W. James. 1995. <i>Classroom Assessment: What Teachers Need to Know</i>. Boston: Allyn and Bacon. 4. Reynolds, Cecil R. 2010. <i>Measurement and Assesment in Education</i>. London: Pearson. Additional Literature (B) 1. Allen, M.J. & Yan, W.M. 1979. <i>Introduction to Measurement Theory</i>. Monterey, CA.: Brooks/Cole Publishing Company. 2. Ebel, R. L. & Frisbie, D. A. 1986. <i>Essentials of Educational Measurement</i>. Englewood Cliffs, NJ: Prentice-Hall., Inc. 3. Gable, R. K. 1986. <i>Instrument Development in affective Domain</i>. Boston: Kluwer-Nijhooff Publishing. 4. Peraturan-Peraturan Perundang-Undangan yang terkait dengan Pendidikan (UU, PP, Permen Pendidikan Nasional RI). 5. Sax, G. 1980. <i>Principles of Educational and Psychological Measurement and Evaluation</i>. Belmont, CA.: Wadsworth Publishing Company. 6. Webb, N. F. & Coxford, A.F. 1993. <i>Assessment in The Mathematics Classroom</i>. Reston, VA: National Council Teacher of Mathematics.
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PLO and CO mapping

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

