



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:	Developing and Producing Instructional Media for Mathematics
Module level, if applicable:	Undergraduate
Code:	PMA6206
Sub-heading, if applicable:	-
Classes, if applicable:	-
Semester:	4 th
Module coordinator:	Rosnawati, Dr.
Lecturer(s):	Rosnawati, Dr.; Wahyu S., Ph.D; Murdanu, M.Pd
Language:	Bahasa Indonesia
Classification within the curriculum:	Compulsory 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 adaptation and independence in carrying out individual tasks and group assignments CO2. Utilize ICT in the development of mathematics learning media

	<p>CO3. Explain the concept of mathematics learning media</p> <p>CO4. Overcome mathematical learning problems especially about the effectiveness of mathematics learning by using media</p> <p>CO5. Design learning media according to topics in middle school mathematics</p> <p>CO6. Develop mathematics learning media according to topics in middle school mathematics</p> <p>CO7. Develop mathematics learning media according to topics in secondary school mathematics that can be used as <i>assessment as learning</i></p> <p>CO8. Conduct validation related to media of secondary school mathematics learning</p>
<p>Content:</p>	<p>This course covers the notion of learning media, role and function of learning media, types of learning media, planning and selection of learning media, techniques of producing learning media, techniques for presenting learning media, and evaluating learning media, which are specialized in mathematics learning. Practicum for the design and production of several types of mathematics learning media according to the topics at each meeting is conducted</p>
<p>Study/exam achievements:</p>	<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>

