Master Program of Mathematics Education **Module Handbook**

Module Name:	School Mathematics and Its Teaching
Module Level:	Master (S-2)
Abbreviation, if applicable:	
Sub-heading, if applicable:	-
Course included in the module, if applicable:	-
Semester/term:	1 / First year
Module Coordinator(s):	Dr. Masriyah, M.Pd.
Lecturer(s):	Dr. Masriyah, M.Pd. Dr. Pradnyo Wijayanti, M.Pd.
Language:	Indonesian
Classification within the curriculum:	Compulsory course / ~~elective studies~~
Teaching format/class hours per week during the semester	Teaching format: lectures, tutorial assignment, and individual study. 2 × 240 minutes = 480 minutes = 8 hours lectures
Workload:	15 weeks per semester consisting of: • 1 hour lecture (1 × 50 minutes) per week, • 2 hours assignments (2 × 45 minutes) per week, • 2 hours individual study (2 × 50 minutes) per week, Total workload: 14 × 2 × 240 minutes = 6,720 minutes ≈ 4.48 ECTS*
Credit Point:	2
Requirements:	N/A
Learning Goals :	**Knowledge (KNO-2)** CLO-1: able to analyze school mathematics learning objectives and supporting materials at the general and vocational high school levels **Skill (SKI-1)** CLO-2: able to solve problems that develop conceptual understanding, problem solving, communication and reasoning including critical and creative thinking **Competency (COM-1)** CLO-3: able to Make decisions and commit to completing the task of deepening school mathematics material.

<table>
<tr><td></td><td>Social (SOC-1)
CLO-4: able to have a critical and creative attitude in implementing learning designs that are relevant to the material and its objectives</td></tr>
<tr><td>Content:</td><td>Studying mathematics contents at the secondary school level, including vocational, especially in learning that develops conceptual understanding, problem solving, communication, and reasoning including critical and creative thinking</td></tr>
<tr><td>Study/exam achievements</td><td>

Students are considered competent and pass if the final score calculated from the score of midterm exam, assignments, participation, and final exam is at least 55 or C.
Final score is calculated as follows:
20% midterm exam + 30% assignments + 20% participation + 30% final exam
Final index is defined as follows:

<table>
<tr><th>Index</th><th>Converted Score</th><th>Score Range</th></tr>
<tr><td>A</td><td>4.00</td><td>$85 \leq A \leq 100$</td></tr>
<tr><td>A-</td><td>3.75</td><td>$80 \leq A- < 85$</td></tr>
<tr><td>B+</td><td>3.50</td><td>$75 \leq B+ < 80$</td></tr>
<tr><td>B</td><td>3.00</td><td>$70 \leq B < 75$</td></tr>
<tr><td>B-</td><td>2.75</td><td>$65 \leq B- < 70$</td></tr>
<tr><td>C+</td><td>2.50</td><td>$60 \leq C+ < 65$</td></tr>
<tr><td>C</td><td>2.00</td><td>$55 \leq C < 60$</td></tr>
<tr><td>D</td><td>1.00</td><td>$40 \leq D < 55$</td></tr>
<tr><td>E</td><td>0.00</td><td>$0 \leq E < 40$</td></tr>
</table>
</td></tr>
<tr><td>Media employed</td><td>Slides and LCD projectors, white board</td></tr>
<tr><td>Reading list</td><td>1] Neill, H. & Quadling, D. 2002. Advanced Level Mathematics: Pure Mathematics 1. Cambridge University Press
2] Neill, H. & Quadling, D. 2002. Advanced Level Mathematics: Pure Mathematics 2 & 3. Cambridge University Press</td></tr>
<tr><td>Note</td><td>*Total hours per 1 credit in 1 semester = {(1 credit × 240 minutes × 14 weeks)/60 minutes} = 56 hours.
Each ECTS equals 25 hours, so 1 credit in 1 semester is equivalent to 2.24 ECTS.</td></tr>
<tr><td>Last amendment</td><td>January 2023</td></tr>
</table>