Master Program of Mathematics Education **Module Handbook**

Module Name:	School Mathematics Curriculum
Module Level:	Master (S-2)
Abbreviation, if applicable:	
Sub-heading, if applicable:	-
Course included in the module, if applicable:	-
Semester/term:	2/First year
Module Coordinator(s):	Rooselyna Ekawati, M.Sc., Ph.D.
Lecturer(s):	1. Rooselyna Ekawati, M.Sc., Ph.D. 2. Dr. Agung Lukito, 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 Outcomes:	**Knowledge (KNO-2)** CLO-1: able to demonstrate knowledge and insight into school mathematics curriculum and related theories of its development. **Skill (SKI-2)** CLO-2: able to examine school mathematics curriculum materials from diverse perspectives and approaches. **Competency (COM-1)** CLO-3: able to make strategic decisions on the simulation of developing a school mathematics curriculum.

<table>
<tr><td></td><td>Social (SOC-1)
CLO-4: able to collaborate and be responsible professionally and ethically in completing school mathematics curriculum tasks</td></tr>
<tr><td>Content:</td><td>Studying curriculum concepts, school curriculum development, comparison with international mathematics curricula, curriculum analysis which includes task and material analysis, formulation of goals and achievement indicators, and essential concepts of primary and secondary school mathematics and learning.</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>
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<tr><td>Media employed</td><td>Slides and LCD projectors, white board</td></tr>
<tr><td>Reading list</td><td>
[1] Li, Y., & Lappan, G. (Eds.). (2014). Mathematics Curriculum in School Education. Springer.
[2] Lester Jr, F. K. (Ed.). (2007). Second Handbook of Research on Mathematics Teaching and Learning: A Project of the National Council of Teachers of Mathematics. Information Age Publishing, Inc.
[3] Thompson, D. R., & Usiskin, Z. (Eds.). (2014). Enacted Mathematics Curriculum: A Conceptual Framework and Research Needs. Information Age Publishing, Inc.
[4] Gueudet, G., Pepin, B., & Trouche, L. (Eds.). (2012). From 'Lived' Resources: Mathematics Curriculum Materials and Teacher Development. Springer.
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Note	*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.
Last amendment	January 2023