

MINISTRY OF EDUCATION, CULTURE, RESEARCH, AND TECHNOLOGY UNIVERSITAS NEGERI SURABAYA

FACULTY OF MATHEMATICS AND NATURAL SCIENCES Ketintang Campus, D-1 Building, Surabaya 60231 +6231-8296427 Website: www.fmipa.unesa.ac.id, email: info_fmipa@unesa.ac.id

Master Program of Mathematics Education

Module Handbook

Module Name:	Mathematical Literacy		
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	Dr. Endah Budi Rahaiu. M Pd		
Coordinator(s):	Di. Didaii Dudi Ranaju, Wi.i d.		
Lecturer(s):	1. Dr. Endah Budi Rahaju, M.Pd.		
	2. Dr. Pradnyo Wijayanti, M.Pd.		
Language:	Indonesian		
Classification within	Compulsory course/elective studies		
the curriculum:	compulsory course creenve studies		
the curriculum: Teaching format/class hours per week during the semester	Teaching format: lectures, tutorial assignment, and individual study. 3×240 minutes = 720 minutes = 12 hours lectures		
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the curriculum: Teaching format/class hours per week during the semester Workload:	 Teaching format: lectures, tutorial assignment, and individual study. 3 × 240 minutes = 720 minutes = 12 hours lectures 15 weeks per semester consisting of: 1 hour lecture (1 × 50 minutes) per week, 2 hours assignments (2 × 45 minutes) per week, 		
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Learning outcomes:	Knowledge (KNO-2)CLO-1: able to demonstrate the knowledge of mathematical literacySkill (SKI-2)				
	CLO-2: able to design assessments that measure mathematical literacy				
	Competency (COM-1) CLO-3: able to work on and present mathematical literacy problems Social (SOC-1) CLO-4: able to collaborate and be responsible professionally and ethically in completing mathematical literacy tasks				
Content:	Studying philosophies, concepts, and principles of mathematical literacy, frameworks of PISA and TIMSS; the link between mathematical literacy and AKM (Minimum Competency Assessment), applications of mathematical literacy in mathematics learning, and the development of mathematical literacy questions				
Study/exam achievements	 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: 				
	• I IIIai	Index 15 de	Converted Score	Score Range	
		A	4.00	85 < A < 100	
		A-	3.75	80 < A - < 85	
		B+	3.50	$-75 \le B + < 80$	
		В	3.00	$70 \le B < 75$	
		B-	2.75	$65 \le B - < 70$	
		C+	2.50	$60 \le C + < 65$	
		С	2.00	$55 \le C < 60$	
		D	1.00	$40 \le D < 55$	
	\triangleright	Е	0.00	$0 \le E < 40$	
Media employed	Slides and LCD projectors, white board				
Reading list	[1] Stacy, K. (2015). Assessing Mathematical Literacy. Springer International Publishing Switzerland.				





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	 [2] Solomon, Y. (2008). Mathematical Literacy. Routledge. [3] Wyatt-Smith, C., Elkins, J., & Gunn, S. (2011). Multiple Perspectives on Difficulties in Learning Literacy and Numeracy. Springer. [4] Solomon, Y. (2009). Mathematical Literacy-Developing Identifies of Inclusion. Poutledge 	
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	

