## **MODULE HANDBOOK**

Module Name:	History of Mathematics					
Module Level:	Sarjana (S-1) / Bachelor					
Abbreviation, if	8420202197					
applicable:						
Sub-heading, if	-					
applicable:						
Course included in the	-					
module, if applicable:						
Semester/term:	3/ Second year					
Module	Dr. Rini Setianingsih, M.Kes.					
Coordinator(s):						
Lecturer(s):	Dr. Rini Setianingsih, M.Kes.					
	Dr. Janet Trineke Manoj, M.Pd.					
	Rooselyna Ekawati, M.Sc., Ph.D.					
	Shofan Fiangga, S.Pd., M.Sc.					
Language:	Indonesia					
Classification within	Compulsory course/ elective studies					
the curriculum:						
<b>Teaching format/class</b>	Teaching format: lectures, tutorial assignment, and individual					
hours per week during	study. $2 \ge 170$ minutes = $340$ minutes = $5.67$ hours lectures					
the semester						
Workload:	15 weeks per semester consisting of:					
	> 2.5 hours lectures (3 x 50 minutes) per week,					
	➤ 3 hours tutorial assignments (3 x 60 minutes) per week,					
	> 3 hours individual study (3 x 60 minutes) per week,					
	Total workload : 14x2x170 minutes = 4,760 minutes = 3.17 ECTS*					
Credit Point:	2					
<b>Requirements:</b>	-					
Learning Goals:	Knowledge					
	CLO-1: Understand the historical nature of mathematics as a history					
	taught in schools.					
	CLO-2: Analyze mathematics learning evolving from the history of					
	mathematical concepts.					
	Skill					
	CLO-3: Understand the value and development of a mathematical concept to develop material and learning in schools that					

	pay attention to the development of mathematics as a							
	science.							
	Communication							
	CLO-4: Evaluate mathematics learning developed from historical							
	aspects of mathematical concepts.							
Content:	Historic	al develop	oment of mathema	tics (history of r	umbers,			
	geometry, algebra, logarithm and trigonometry, probability and							
	statistics, and calculus), history and legacy, and history and							
	pedagogy in mathematics (HPM).							
Study/exam	Students are considered competent and pass if the final score							
acmevements	calculated from the score of midterm exam, assignments,							
	participation, and final exam is at least 55 or C.							
	> Fina	al score 1s c	calculated as follows	S:				
	$\geq$ 20% midterm exam + 30% assignments + 20% participation +							
	30% final exam							
	▶ Fina	al index is (	defined as follow:	It and pass if the final score nidterm exam, assignments, least 55 or C. s: ments + 20% participation + Score Range $85 \le A \le 100$ $80 \le A - < 85$ $75 \le B + < 80$ $70 \le B < 75$ $65 \le B - < 70$ $60 \le C + < 65$ EE $\le C \le 60$				
		Index	Converted Score	Score Range				
		А	4.00	85≤A≤100				
		A-	3.75	80≤ <i>A</i> − <85				
		B+	3.50	<b>75≤</b> <i>B</i> +<80				
		В	3.00	<b>70</b> ≤ <i>B</i> <75				
		B-	2.75	65≤ <i>B</i> − <70				
		C+	2.50	<b>60</b> ≤ <i>C</i> +<65				
		C	2.00	<b>55≤</b> <i>C</i> <60				
		D	1.00	<b>40</b> ≤ <i>D</i> <55				
		E	0.00	<b>0≤</b> <i>E</i> <40				
Forms of Media	Slides and LCD projectors, whiteboard							
Literature	[1] Katz	z, V. J. 2009	9. A History of Math	nematics: An Introdu	action,			
	3rd edition. Boston: Addison-Wesley.							
	[2] Katz, V. J. 2000. Using History to Teach Mathematics: An							
	International Perspective, The mathematical Association of							
	America.							
	[3] Buku Guru Kurikulum 2013 Mata pelajaran Matematika [4] Wahyudin dan Kartasasmita P. C 2011 Sajarah dan Filoafat							
	Matematika. Jakarta: Universitas Terbuka.							
	[5] Burton, D. M.2010. The History of Mathematics : An							
	Introduction 7th edition. New York: McGraw-Hill							

	[6] Bu	[6] Buku Guru Kurikulum 2013 Mata pelajaran Matematika					
	[7]	Euclid	Elements:	Digital	Resources.		
	htt	https://mathcs.clarku.edu/~djoyce/java/elements/elements.html.					
Note	*Total	*Total hours per 1 credit in 1 semester={(1 credit x 170 minutes x 14 weeks)/60 minutes}=39,67 hours.					
	14 wee						
	Each ECTS equals with 25 hours therefore 1 credit in 1 semes						
	equals	1,59 ECTS.					