



**UNIVERSITAS NEGERI PADANG**  
 FACULTY OF MATHEMATICS AND NATURAL SCIENCES  
 MATHEMATICS DEPARTMENT, MATHEMATICS EDUCATION STUDY PROGRAM  
 Main Campus Universitas Negeri Padang.  
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**Bachelor of Mathematics Education**

**MODULE HANDBOOK**

Module name:	History of Mathematics
Module level, if applicable:	Bachelor
Code:	MAT2.61.6102
Sub-heading,if applicable:	-
Classes,if applicable:	History of Mathematics
Semester:	6 <sup>th</sup> (Sixth)
Module coordinator:	Dra. Jazwinarti, M.Pd.
Lecturer(s):	Dra. Jazwinarti, M.Pd., and Team
Language:	Bahasa Indonesia and English
Classification within the curriculum:	Study Program Elective Course
Teaching format / class hours per week during the semester:	<p>Teaching format:</p> <ul style="list-style-type: none"> <li>✓ Lectures (face to face activities): by Project Based Learning with method such as Presentations, Group and Class Discussion.</li> <li>✓ Structured assignment such as group project</li> <li>✓ Independent activities</li> <li>✓ Practice</li> </ul> <p>2 x 170 minutes = 340 minutes = 5.67 hours lectures</p>
Workload:	<p>16 weeks per semester include Final Exam which consist of:</p> <ul style="list-style-type: none"> <li>• 1.67 hours lectures (2 x 50 minutes) per week,</li> <li>• 2 hours structured assignments (2 x 60 minutes) per week,</li> <li>• 2 hours independent activities (2 x 60 minutes) per week</li> </ul> <p>16 x 170 x 2 = 5440 Minute =90.67 hours = 3.02 ECTS</p>
Credit points:	2 SKS = 3.02 ECTS
Prerequisite's course(s):	-
Course outcomes:	<p>After taking this course the students have ability to:</p> <p>CO1 : Express the history of mathematical development from ancient times until the XXI century, namely the development of mathematics based on the development of ages, the people who developed it, the development of mathematical material.</p> <p>CO2 : Interpret the history of mathematical development from ancient times</p> <p>CO 3 : Apply the history of mathematical development from ancient times</p> <p>CO 4 : Show the history of mathematical development from ancient times</p> <p>CO 5 : Show the responsibility attitude in own</p>

	works CO 6 : Maintain the responsibility attitude in team works
Content:	This course discusses: 1. the history of mathematical development from ancient times until the XXI century 2. the development of mathematics based on the development of ages, the people who developed it 3. the development of mathematical material.
Study/exam achievements:	Total Score= (40% x Individual Reports) + (40% x Final Exam Score) + (20% x Class Activities: Participation, Quiz, Attitude, and Attendance)  The initial cut - off points for grades A, A-, B+, B, B-, C+, C, C, and D should not be less than 85, 80, 75, 70, 65, 60, 55, 50, and 40 out of 100 respectively.  <b>1. Individual Reports</b> ✓ The regulation of Individual Report is given in early semester. The individual report is assessed by rubric assessment. The contents are chosen by the lecturer. ✓ The Individual report is assessed based on the content on paper (CO1) 10%, slide presentation (CO 2) 30%, the contribution (of content) in mathematics (CO 3) 40%, communication skill 20%. <b>2. Final Exam</b> ✓ Final Exam is held at the 16th meeting ✓ Final Exam is carried out in the classroom with an implementation time of 100 minutes which follows the Final Exam implementation schedule of the department <b>3. Class Activities</b> ✓ Class activities are assessed based on quiz and affective assessment. ✓ Quiz is held once in the middle of the semester ✓ Affective assessment is held in every meeting by observing students' attitude in classroom and daily interaction at campus. ✓ The assessment is based on observation sheet and it was given score by affective rubric assessment
Forms of media:	Board, LCD Projector, Laptop/Computer
Literature:	1. Roger L. Cooke (2013). The History Of Mathematics. John Wiley & Sons, Inc., Hoboken, New Jersey. 2. Chemla K.Ed.(2012). The history of mathematical proof in ancient traditions-Cambridge University Press 3. Annette Imhausen. (2016). Mathematics in Ancient Egypt. Princeton University Press Princeton and Oxford

