UNIVERSITAS NEGERI PADANG
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
MATHEMATICS DEPARTMENT, MATHEMATICS EDUCATION STUDY PROGRAM
Main Campus Universitas Negeri Padang.
Jalan Prof. Dr. Hamka Air Tawar Padang, Sumatera Barat
Telepon: +62 751 7053902, Fax: +62 751 7055628
Email: matematika@fmipa.unp.ac.id

Bachelor of Mathematics Education

MODULE HANDBOOK

Module name:	English for Mathematics
Module level, if applicable:	Bachelor
Code:	MAT1.61.2101
Sub-heading, if applicable:	-
Classes, if applicable:	English for Mathematics
Semester:	2nd (second)
Module coordinator:	Dra. Elita Zusti Jamaan, M.S.
Lecturer(s):	Dra. Elita Zusti Jamaan, M.S., and Team
Language:	English
Classification within the curriculum:	Study Program Compulsory Course
Teaching format / class hours per week during the semester:	Teaching format: ● Lectures using direct instruction model with demonstration method and project based learning with presentation ● Structured Assignment, ● Independent Activities. 2 x 170 minutes = 340 minutes = 5.67 hours
Workload:	16 weeks per semester include Midterm Exam which consist of: ● 1.67 hours lectures (2 x 50 minutes) per week, ● 2 hours structured assignments (2 x 60 minutes) per week, ● 2 hours individual study (2 x 60 minutes) per week, Total workload: 16 x2x170 minutes = 5440 minutes = 90.67 hours = 3.02 ECTS.
Credit points:	2 SKS (3.02 ECTS)
Prerequisites course(s):	-
	After taking this course the students have ability to: CO 1: express the English for mathematics concept, using vocabulary about arithmetic, algebra, trigonometry,

Course outcomes:	geometry, statistics, etc. in understanding textbooks, speaking, and writing. CO 2: interpret the English for mathematics concept, using vocabulary about arithmetic, algebra, trigonometry, geometry, statistics, etc. in understanding textbooks, speaking, and writing. CO 3: apply the English for mathematics concept, using vocabulary about arithmetic, algebra, trigonometry, geometry, statistics, etc. in understanding textbooks, speaking, and writing. CO 4: show the English for mathematics concept, using vocabulary about arithmetic, algebra, trigonometry, geometry, statistics, etc. in understanding textbooks, speaking, and writing. CO 5: show the responsibility attitude in own works CO 6: maintain the responsibility attitude in team works
Content:	This course discusses: 1. Vocabulary and terms in the fields of Arithmetic, Algebra, Calculus Geometry, Statistics, etc. 2. Comprehension of English mathematics text. 3. Writing mathematical statements in the form of definitions, theorems, and proofs in English
Study/exam achievements:	Total score = (20% x Midterm Exam Score) + (30% x Final Exam Score) + (40% x Assignment: project such us: papers and essays) + (10% x Affective Score (Responsibility, class 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. **Explanation:** **1. Midterm Exam** ✓ Midterm Exam is held at the 9th meeting in the form of an essay test. ✓ Midterm Exam is carried out in the classroom with an implementation time of 120 minutes according to the module schedule **2. Final Exam** ✓ Final Exam is held at the 16th meeting in the form of an essay test ✓ Final Exam is carried out in the classroom with an implementation time of 120 minutes which follows the Final Exam implementation schedule of the department **3. Assignments** ✓ Assignments are given as exercise before Midterm Exam and before Final Exam ✓ Assignments are about: 1) Fill in the blank the correct mathematics term in English. 2) Defining, proofing and

		using some mathematics term in English 3) Describing and Explaining data in table, diagram or chart. ✓ Assignments are given as individual task and it is submitted in limited time. **4. Project Assignment** ✓ Project is given one time in one semester, in week thirteen while the explanation about the project already explained to the students since in the first meeting. ✓ Project is given as group task and it is in form paper and presentation and it is assessed by rubric assessment ✓ The Project is about making a video explanation about teaching material in school mathematics (junior or senior high school) in English and Students have to explain the strength of their product in their presentation. **5. Affective Assessment** ✓ Affective assessment is held in every meeting by observing students' attitude in classroom and daily interaction at campus. ✓ The assessment based on observation sheet and it is given score by affective rubric assessment.
Forms of media:		Whiteboard and LCD projector
Literature:		1. Sh. B. Omarova et al. (2018). *English for students of information science and mathematics: educational-methodical manual.* 2. Subhan, M. (2017). *Lecture Notes on English for Mathematics,* FMIPA UNP. 3. Almaty Qazaq University Franco Vivaldi. (2014). *Mathematical Writing,* Springer Undergraduate Mathematics Series, Springer-Verlag London,

PLO and CO mapping

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10	PLO11
CO1					✓						
CO2					✓						
CO3							✓				
CO4							✓				
CO5										✓	
CO6										✓	