MINISTRY OF EDUCATION, CULTURE, RESEARCH, AND TECHNOLOGY
UNIVERSITAS NEGERI SURABAYA
FACULTY OF MATHEMATICS AND NATURAL SCIENCE
UNDERGRADUATE PROGRAM OF MATHEMATICS
Ketintang Campus, C8-C9 Buildings of FMIPA, Surabaya
Email: s1-mat@unesa.ac.id

Module Handbook

Module Name :	*Skripsi* Thesis
Module level :	Bachelor degree/Undergraduate Program
Course Code :	4420106121
Abbreviation, if applicable:	-
Courses included in the module, if applicable:	Not Applicable
Semester/Term	8th/ fourth year
Module coordinator(s)	Dr. Raden Sulaiman, M.Si.
Lecturer(s):	Thesis Supervisor
Language:	Bahasa Indonesia (Indonesian Language)
Classification within the curriculum:	Compulsory/ ~~Elective~~
Teaching format/class hours per week during the semester:	6 contact hours of lectures (*sks* or credit unit*)
Workload :	6 x 170 minutes lectures, 14 weeks per semester 238 total hours per semester ~ 9.54 ECTS**
Credit Unit:	6 credit unit (9.54 ECTS)
Requirements:	None

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Learning goals/competencies:	**Knowledge (KNO-1)** CLO-1: Demonstrate mathematical knowledge and insight in order to complete the final project (thesis). **Knowledge (KNO-2)** CLO-2: Identify and explaining the characteristics of mathematical problems in order to complete the final project (thesis). **Skill (SKI-1)** CLO-3: Formulate and solve fundamental mathematical problems in order to complete the final project (thesis). **Skill (SKI-2)** CLO-4: use basic mathematical principles in solving problems, especially in the applications in order to complete the final project (thesis). **Skill (SKI-3)** CLO-5: Analyze the formal structure of mathematical problems and relevant fields in order to complete the final project (thesis). **Competences (COM-1)** CLO-6: Prove mathematical statements by various methods in order to complete the final project (thesis). **Competences (COM-2)** CLO-7: Generate ideas used for completing mathematical tasks and to communicate them either in writing or orally, in accordance with scientific principles in order to complete the final project (thesis). **Competences (COM-3)** CLO-8: Solve mathematical problems using technology in order to complete the final project (thesis). **Attitude and Social (SOC-2)** CLO-9: Show responsibility for work in the field of expertise independently, having a lifelong willingness to learn, and having the courage to make decisions in order to complete the final project (thesis).

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Content	The thesis subject is carried out independently, accompanied by a supervisor for combining knowledge of mathematics (including algebra, analysis, applied mathematics, geometry, statistics, combinatorics, and mathematics computation) and research methodology in designing and conducting research, reporting and accounting for research results both in writing and orally. In the thesis course guidance activities, students independently write proposals, collect data, analyze the data, and write research reports with the supervision and guidance of their supervisors. The final activity of this thesis is to present the research results orally in front of the examiner team.

Attribute Soft skill:	Active communication; Discipline; Collaboration; Responsibility; and Argumentation in class.
Study/exam achievements:	The final grade (NA) is calculated based on the following ratio:

Assessment Components	Percentage of contribution
Thesis examination include: a. Thesis content (70%) b. Oral defense (30%)	70%
Supervision processes	30%

Grade conversion of 0-100 scale into 0-4 scale is set as below:

Letter	Number	Grade Interval
A	4,00	$85 \leq A \leq 100$
A-	3,75	$80 \leq A- < 85$
B+	3,50	$75 \leq B+ < 80$
B	3,00	$70 \leq B < 75$
B-	2,75	$65 \leq B- < 70$
C+	2,50	$60 \leq C+ < 65$
C	2,00	$55 \leq C < 60$
D	1,00	$40 \leq D < 55$
E	0,00	$0 \leq E < 40$

Learning Methods :	Student-centered approach; project-based learning; lecturer and discussion; and presentations (structured activities)

Form of Media:	Power point slides; video; worksheets, and textbooks
Literature (primary references):	1. Thesis writing manual, Universitas Negeri Surabaya.
Notes:	*1 credit unit or *sks* in learning process = three periods consist of: (a) scheduled instruction in a classroom or laboratory (50 minutes); (b) structured activity (60 minutes); and (c) individual activity (60 minutes) according to the Regulation of Indonesia Ministry of Research, Technology, and Higher Education No. 44 Year 2015 jo. the Regulation of Indonesia Ministry of Research, Technology, and Higher Education No. 50 Year 2018.
	**1 credit unit or *sks* = 1.59 ECTS according to Rector Decree Of Universitas Negeri Surabaya No. 598/UN38/HK/AK/2019