



UNIVERSITAS GADJAH MADA

Faculty of Mathematics and Natural Sciences

Mathematics Department

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Undergraduate Programme in Mathematics

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MODULE HANDBOOK

Module name	Undergraduate Thesis I (Literature Study)
Module level, if applicable	Bachelor
Code, if applicable	MMM-4097
Subtitle, if applicable	-
Courses, if applicable	
Semester(s) in which the module is taught	7 th (seventh) or 8 th (eighth)
Person responsible for the module	Head of the Study Programme
Lecturer(s)	Supervisor(s)
Language	Bahasa Indonesia or English
Relation to curriculum	Compulsary course in the fourth year (7 th or 8 th semester) Bachelor Degree
Type of teaching, contact hours	150 minutes consultation and 180 minutes structured activities per week.
Workload	Total workload is 136 hours per semester, which consists of 150 minutes consultation per week, 180 minutes structured activities per week, 180 minutes individual study per week, in total is 16 weeks per semester.
Credit points	3
Requirements according to the examination regulations	There is no specific exam. The student has to present and write a report of the result.
Recommended prerequisites	Students who take the Undergraduate Thesis I have to fulfill the following requirements: <ol style="list-style-type: none"> i. The CGPA of all courses taken has been greater than or equal to 2.00. ii. Have taken at least 120 Credits (without grade E and percentage of credits with grade D is at most 25%). iii. Have taken/are taking courses supporting the topic of the Undergraduate Thesis. Students who are going to take or taking Undergraduate Thesis with topic in Applied Mathematics are required to take at least one directed elective course of Applied Mathematics (marked by ♥) that fits to the topic of the Undergraduate Thesis: Dynamical System, Introduction to Optimization Theory, and Introduction to System Theory. The minimum grades of those courses are C. iv. Include Undergraduate Thesis in Student study load (KRS) and register it to the Secretariat of UP-Math no later than one week after the KRS submission.
Module objectives/intended learning outcomes	Upon successful completion, students will be able to: <p>CO1. conduct independent study of a particular topic,</p> <p>CO2. utilize mathematical power that has been studied in previous courses,</p> <p>CO3. have self-confidence, good ethics, and good performance in communication</p>
Content	Topic is appointed by supervisor(s) or student.
Study and examination requirements and forms of examination	The final mark will be decided by considering some criteria: <ul style="list-style-type: none"> • Ability and self-independency, • Effort and perseverance • Content mastery, including the logic, • Communication skill, self-confidency, and ethics. <p>The minimal grade for the Undergraduate Thesis I is C. Assessment form is attached.</p>
Media employed	White Board, paper, Laptop/Computer
Reading List	Books or journals related to the topics.

PLO and CO Mapping

UT I	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9
CO 1								v	v
CO 2		v	v	v	v	v	v		v
CO 3	v						v	v	v



UNIVERSITAS GADJAH MADA
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
DEPARTMENT OF MATHEMATICS
MATHEMATICS STUDY PROGRAMME

FORMULIR PENILAIAN/ FORM OF ASSESMENT
TUGAS AKHIR I/ UNDERGRADUATE THESIS I
(MMS-4091): 3 SKS/ 3 Credits

Yang bertanda tangan di bawah ini menerangkan bahwa mahasiswa/ *The undersigned below states that the student with*

Nama/ *Name* :

NIM/ *Student ID* :

Program Studi/ *Study Programme* :

Telah menyelesaikan Tugas Akhir Studi Literatur (MMM - 4091/ 3 SKS)/ *Has finished Undergraduate Thesis I*

Dengan Topik/ *with topic*:

Komponen yang dinilai / Component of Assessment	Nilai Maksimum / Maximum score	Nilai / Score
Kecakapan dan Kemandirian/ <i>Ability and independency</i>	20	
Usaha dan Ketekunan/ <i>Effort and preseverance</i>	20	
Penguasaan materi utama/ <i>Content mastery</i>	40	
Kemampuan berkomunikasi, kepercayaan diri, dan etika/ <i>Communication skill, self- confidency, and ethics</i>	20	
Total	100	P=

Nilai Akhir (*Final Score*) = $P\% \times 4 = \dots\dots$ (Nilai Angka)

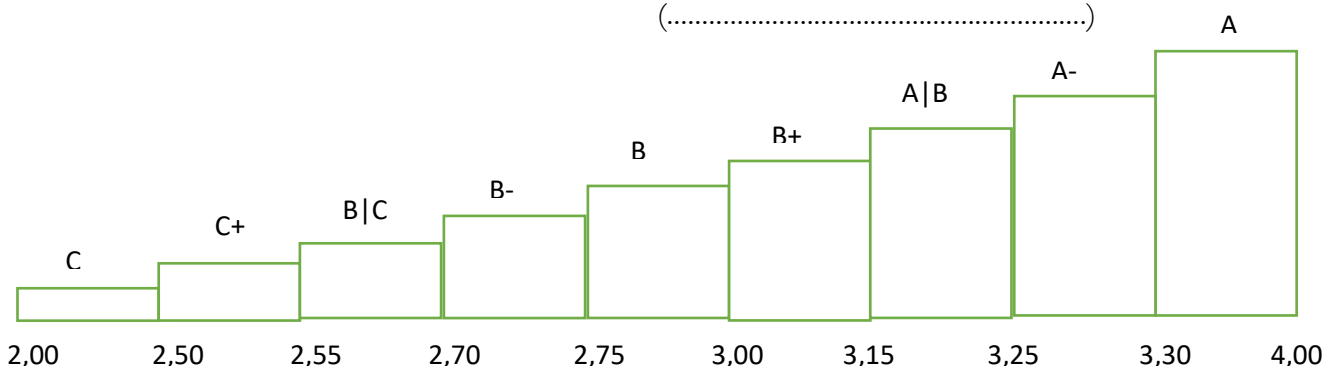
Nilai huruf (*grade*)=

Yogyakarta,.....

Dosen Pembimbing Tugas Akhir I

Supervisor of UT I

(.....)



FORMULIR PENILAIAN / FORM OF ASSESSMENT

TUGAS AKHIR I/ *UNDERGRADUATE THESIS I*

(MMS-4091): 3 SKS/ *3 Credits*

Nama / *Name* : _____
NIM / *Students ID* : _____
Topik TA / *Topic of Final Project* : _____
Pembimbing I / *Supervisor I* : _____

Komponen yang dinilai / Component of Assessment	Komentar / Comment	Nilai / Score
Kecakapan dan Kemandirian / <i>Ability and self-independency</i> (Nilai maksimum 20) (<i>Maximum score 20</i>)		
Usaha dan Ketekunan/ <i>Effort and perseverance</i> (Nilai maksimum 20) (<i>Maximum score 20</i>)		
Penguasaan materi / <i>Content mastery</i> (Nilai maksimum 40) (<i>Maximum score 40</i>)		
Kemampuan berkomunikasi, kepercayaan diri, dan etika/ <i>Communication skill, self- confidency, and ethics</i> (Nilai maksimum 20) (<i>Maximum score 20</i>)		
Total		

Yogyakarta,.....

Dosen Pembimbing Tugas Akhir I

Supervisor

(.....)