

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 :	Aljabar Linear Lanjut Advanced Linear Algebra		
Module level :	Bachelor degree/Undergraduate Program		
Course Code :	4420103008		
Abbreviation, if applicable:	-		
Courses included in the module, if applicable:	Not Applicable		
Semester/Term	8 th / fourth year		
Module coordinator(s)	Dr. Agung Lukito, M.S		
Lecturer(s):	Dr. Agung Lukito, M.S Dr. R. Sulaiman, M.Si		
Language:	Bahasa Indonesia (Indonesian Language)		
Classification within the curriculum:	Compulsory/ Elective		
Teaching format/class hours per week during the semester:	3 contact hours of lectures (sks or credit unit*)		
Workload :	3 x 50 minutes lectures, 3 x 60 minutes structured activity, and 3 x 60 minutes individual activity per week, 14 weeks per semester 119 total hours per semester ~ 4.77 ECTS**		
Credit Unit:	3 credit unit (4.77 ECTS)		
Requirements:	Elementary Number Theory Elementary Linear Algebra		



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	Knowledge (KNO-1): Demonstrating mathematical knowledge and mathematical insight.
	CLO-1: Demonstrate mastery of the concept of module, extension field, canonic form.
Learning goals/competencies:	Skill (SKI-3) : Analyzing the formal structure of mathematical problems and relevant fields.
	. CLO-2: Analyzing the formal structure of extension field
Content	This course discusses about Module, extension field, canonic form. Lecture activities are carried out in a student center with discussions, observations, project assignments, and presentations.

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	
	Participation	20%	
	Assignment	30%	
	Mid-semester test	20%	
	Final semester test	30%	



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	Grade con	version of 0-100 s	cale into 0-4 scale is set as below:	
	Letter	Number	Grade Interval	
	Α	4,00	85 ≤ A ≤ 100	
	A-	3,75	80 ≤ A- < 85	
	B+	3,50	75 ≤ B+ < 80	
	В	3,00	70 ≤ B < 75	
	B-	2,75	65 ≤ B- < 70	
	C+	2,50	60 ≤ C+ < 65	
	C	2,00	55 ≤ C < 60	
	D	1,00	40 ≤ D < 55	
	Е	0,00	0 ≤ E < 40	
Learning Methods : Form of Media:	Student-centered approach; project-based learning; lecturer and discussion; and presentations (structured activities) Power point slides; video; worksheets, and textbooks			
Literature (primary references):	Houg 2. Hers John 3. Hers Sons	thton Mifflin College tein, I.N. 1975. Topi Wiley and Sons. tein, I.N. 1990. <i>Abstr</i>	ics in Algebra 2nd Edition. New York	
Notes:	*1 credit unit or <i>sks</i> 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.			



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**1 credit unit or *sks* = 1.59 ECTS according to Rector Decree Of Universitas Negeri Surabaya No. 598/UN38/HK/AK/2019