

MODULE HANDBOOK

Module Name:	Abstract Algebra 2
Module Level:	Sarjana (S-1) / Bachelor
Abbreviation, if applicable:	8420203005
Sub-heading, if applicable:	-
Course included in the module, if applicable:	-
Semester/term:	8/ Fourth year
Module Coordinator(s):	Prof. Dr. Dwi Juniati, M.Si
Lecturer(s):	Prof. Dr. Dwi Juniati, M.Si Dr. R. Sulaiman, M.Si. Dr. Agung Lukito, M.S.
Language:	Indonesia
Classification within the curriculum:	Compulsory course / elective studies
Teaching format/class hours per week during the semester	Teaching format: lectures, tutorial assignment, and individual study. 3 x 170 minutes = 510 minutes = 8.5 hours lectures
Workload:	15 weeks per semester consisting of: <ul style="list-style-type: none"> ➤ 2.5 hours lectures (3 x 50 minutes) per week, ➤ 3 hours tutorial assignments (3 x 60 minutes) per week, ➤ 3 hours individual study (3 x 60 minutes) per week, Total workload : 14x3x170 minutes = 7,140 minutes = 4.76 ECTS*
Credit Point:	3
Requirements:	Fundations of Mathematics Abstract Algebra I
Learning Goals:	Knowledge (KNO-1) CLO-1: Demonstrate mathematical knowledge and insight related to ring, field, ideal, homomorphism, polynomial ring, and their properties. Skill (SKI-2) CLO-2: use basic mathematical principles (regarding ring, field, ideal, homomorphism, polynomial ring and their properties) in solving problems.
Content:	Ring, field, ideal, homomorphism and polynomial ring.

Study/exam achievements	<ul style="list-style-type: none"> ➤ Students are considered competent and pass if the final score calculated from the score of midterm exam, assignments, participation, and final exam is at least 55 or C. ➤ Final score is calculated as follows: ➤ 20% midterm exam + 30% assignments + 20% participation + 30% final exam ➤ Final index is defined as follow: <table border="1" data-bbox="662 569 1308 1052" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Index</th> <th>Converted Score</th> <th>Score Range</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>4.00</td> <td>$85 \leq A \leq 100$</td> </tr> <tr> <td>A-</td> <td>3.75</td> <td>$80 \leq A- < 85$</td> </tr> <tr> <td>B+</td> <td>3.50</td> <td>$75 \leq B+ < 80$</td> </tr> <tr> <td>B</td> <td>3.00</td> <td>$70 \leq B < 75$</td> </tr> <tr> <td>B-</td> <td>2.75</td> <td>$65 \leq B- < 70$</td> </tr> <tr> <td>C+</td> <td>2.50</td> <td>$60 \leq C+ < 65$</td> </tr> <tr> <td>C</td> <td>2.00</td> <td>$55 \leq C < 60$</td> </tr> <tr> <td>D</td> <td>1.00</td> <td>$40 \leq D < 55$</td> </tr> <tr> <td>E</td> <td>0.00</td> <td>$0 \leq E < 40$</td> </tr> </tbody> </table>	Index	Converted Score	Score Range	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	$0 \leq E < 40$
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Forms of Media	Slides and LCD projectors, whiteboard																														
Literature	<p>[1] Herstein, I.N. 1975. Topics In Algebra. New York: John Wiley and Sons.</p> <p>[2] Cyril F. Gardiner. 1980. A First Course in Group Theory. Berlin: Springer-Verlag</p> <p>[3] Galian J.A. Contemporary Abstract Algebra</p>																														
Note	<p>*Total hours per 1 credit in 1 semester={ (1 credit x 170 minutes x 14 weeks)/60 minutes }=39,67 hours.</p> <p>Each ECTS equals with 25 hours therefore 1 credit in 1 semester equals 1,59 ECTS.</p>																														