



UNIVERSITAS GADJAH MADA

Faculty of Mathematics and Natural Sciences

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MODULE HANDBOOK

Module designation	Advanced Capita Selecta in Algebra B
Code, if applicable	MMM 7213
Subtitle, if applicable	-
Courses, if applicable	Advanced Capita Selecta in Algebra B
Semester(s) in which the module is taught	1 st or 2 nd semester
Person responsible for the module	Head of Algebra Laboratory
Language	Bahasa Indonesia
Relation to curriculum	Elective Course in the 1 st or 2 nd semester of doctor's degree
Teaching methods	Lecture, presentation, project.
Workload (incl. contact hours, self-study hours)	Total workload is 232 hours per semester, which consists of 150 minutes lectures per week for 14 weeks, 180 minutes structured activities per week, 180 minutes individual study per week, in total is 16 weeks per semester, including mid exam and final exam.
Credit points in Credit Units	3
Required and recommended prerequisites for joining the module	Students master the concepts of logic and sets, algebraic structure theory and linear algebraic theory
Module objectives/intended learning outcomes	Upon successful completion, students will able to: CO 1. prove the properties related to the topic being discussed. CO 2. formulate assumptions related to the material discussed. CO 3. generalize the concept being discussed into their research topic and validate it
Content	This course gives materials about advanced algebra topics that have not been covered in other courses.

Examination forms	Oral presentation, essay, paper												
Study and examination requirements	<p>The final mark will be computed from a proportional weight of assignments, mid examination and final examination. The final mark will be weighted as follows:</p> <table border="1"> <thead> <tr> <th>No</th> <th>Assessment methods (components, activities)</th> <th>Weight (percentage)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Final Examination</td> <td>20 - 30%</td> </tr> <tr> <td>2</td> <td>Mid-Term Examination</td> <td>20 - 30%</td> </tr> <tr> <td>3</td> <td>Class Activities: Quiz, Project, etc.</td> <td>50 - 60%</td> </tr> </tbody> </table> <p>To pass this course, the minimum grade is : B (70%)</p>	No	Assessment methods (components, activities)	Weight (percentage)	1	Final Examination	20 - 30%	2	Mid-Term Examination	20 - 30%	3	Class Activities: Quiz, Project, etc.	50 - 60%
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1	Final Examination	20 - 30%											
2	Mid-Term Examination	20 - 30%											
3	Class Activities: Quiz, Project, etc.	50 - 60%											
Media employed	Whiteboard, LCD screen, laptop, Zoom media												
Reading list	References will be determined by the lecturer at the beginning of the lecture,, including graduate textbooks and the latest relevant journals												

CO-PLO Mapping

	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6
CO 1			V	V		
CO 2	V	V	V	V	V	V
CO 3	V	V	V		V	V

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