



UNIVERSITAS GADJAH MADA
Faculty of Mathematics and Natural Sciences
Department of Mathematics

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Doctor in Mathematics

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MODULE HANDBOOK

Module designation	Capita Selecta Algebra A
Code, if applicable	MMM
Subtitle, if applicable	Capita Selecta
Semester(s) in which the module is taught	1 st or 2 nd Semester
Person responsible for the module	Head of Algebra Research Group
Language	Bahasa Indonesia
Relation to curriculum	Elective course
Teaching methods	Lecture, project.
Workload (incl. contact hours, self-study hours)	Total workload is 232 hours per semester, which consists of 50 minutes lectures per week, 120 minutes structured activities per week, 120 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 should have prior knowledge such as group theory, ring theory and linear algebra.

Module objectives/intended learning outcomes	<p>Upon successful completion, students are able to</p> <p>CO1 : clarify various concepts, philosophies, definitions and important properties of advanced theory in algebra which will be studied in this dissertation research support course;</p> <p>CO2 : prove the concepts of advanced theory in algebra which will be related to the topics studied in this dissertation research support course,;</p> <p>CO3 : make a conjecture on the continuation of the problem on the concept of advanced theory in algebra which will be related to topic studied in the dissertation research support course;</p> <p>CO4 : are able to develop special knowledge related to algebraic concepts which will be related to the topics to be studied in dissertation research supporting courses.</p>												
Content	Topics and syllabus depend on the research.												
Examination forms	Oral presentation, essay.												
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 style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="2"></th> <th style="text-align: right;">Weight (percentage)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Final Examination</td> <td style="text-align: right;">20 - 30%</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Mid-Term Examination</td> <td style="text-align: right;">20 - 30%</td> </tr> <tr> <td style="text-align: center;">3</td> <td>Class Activities: Quiz, Homework, etc.</td> <td style="text-align: right;">50 - 55%</td> </tr> </tbody> </table> <p>Minimum final mark to pass : B</p>			Weight (percentage)	1	Final Examination	20 - 30%	2	Mid-Term Examination	20 - 30%	3	Class Activities: Quiz, Homework, etc.	50 - 55%
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1	Final Examination	20 - 30%											
2	Mid-Term Examination	20 - 30%											
3	Class Activities: Quiz, Homework, etc.	50 - 55%											
Media employed	Whiteboard, screen, laptop.												
Reading list	Papers and references related to the research.												

CO-PLO Mapping

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

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