



# 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 Name	Capita Selecta in Advanced Analysis B
Code, if applicable	MMM 7112
Subtitle, if applicable	Capita Selecta in Advanced Analysis B
Semester(s) in which the module is taught	1 <sup>st</sup> or 2 <sup>nd</sup> semester
Person responsible for the module	Chair of the Analysis Laboratory
Language	Bahasa Indonesia
Relation to curriculum	Elective course
Teaching methods	Lecture, classroom discussion, flipped classroom, paper writing project
Workload (incl. contact hours, self-study hours)	<i>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.</i>
Credit points in Credit Units	3
Required and recommended prerequisites for joining the module	Students have strong knowledge on fundamental concepts related to the topic of the course.

Module objectives/intended learning outcomes	After completing this course, the students should have the ability to:  CO 1 prove, justify, and create the properties in the topic of mathematical analysis studied in this course.  CO 2 use or combine concepts and properties in the topic to solve the related problems.												
Content	Content of this course depends on research topics of the student												
Examination forms	presentation, essay, portfolio.												
Study and examination requirements	The final mark will be weighted as follows:  <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 (oral exam, portfolio, or essay)</td> <td>35%</td> </tr> <tr> <td>2</td> <td>Mid-Term Examination (oral exam, portfolio, or essay)</td> <td>35%</td> </tr> <tr> <td>3</td> <td>Presentation</td> <td>30%</td> </tr> </tbody> </table> To pass the course, students are expected to get a minimum grade of B.	No	Assessment methods (components, activities)	Weight (percentage)	1	Final Examination (oral exam, portfolio, or essay)	35%	2	Mid-Term Examination (oral exam, portfolio, or essay)	35%	3	Presentation	30%
No	Assessment methods (components, activities)	Weight (percentage)											
1	Final Examination (oral exam, portfolio, or essay)	35%											
2	Mid-Term Examination (oral exam, portfolio, or essay)	35%											
3	Presentation	30%											
Media employed	Board, LCD Projector, Laptop/Computer, internet, zoom												
Reading list	The reading list will be announced by the lecturer on the first meeting												

#### CO-PLO Mapping

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

Last Modified Date: September 04, 2023.