



# 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	<i>Dissertation (By Research)</i>
Code, if applicable	<i>MMM-9998</i>
Subtitle, if applicable	<i>Publication</i>
Semester(s) in which the module is taught	<i>It can be started in the second semester of each student</i>
Person responsible for the module	<i>Head of the Study Programme</i>
Language	<i>Bahasa Indonesia</i>
Relation to curriculum	<i>Compulsory course</i>
Teaching methods	<i>Discussion between student and his/her promotor Team, flipped classroom, project.</i>
Workload (incl. contact hours, self-study hours)	<i>Total workload is 1680 hours per semester, which consists of 50 minutes lectures per week, 120 minutes structured activities per week, 180 minutes individual study per week, in total is 16 weeks per semester.</i>
Credit points in Credit Units	<i>18</i>
Required and recommended prerequisites for joining the module	<i>The students have passed the Comprehensive Proposal Examination.</i>

Module objectives/intended learning outcomes	<i>After completing this course, the students should have the ability to:</i>	
	CO 1	Write and publish articles.
	CO 2	Generate research
	CO 3	Present and communicate their research confidently with a good ethic and performance
	CO 4	Apply their knowledge to develop their academic abilities, both in teaching, research, and community services.
Content	<i>Scientific publication due to the student's dissertation.</i>	
Examination forms	<i>Published Paper(s).</i>	
Study and examination requirements	<i>Following the associated rubric provided by the Doctoral Study Programme in Mathematics due to:</i> <ol style="list-style-type: none"> <li>1. <i>Quality of publisher</i></li> <li>2. <i>Quality of the conference ( if it is a proceeding)</i></li> <li>3. <i>Systematics of writing</i></li> <li>4. <i>Novelty</i></li> <li>5. <i>Language</i></li> </ol> <i>The minimum grade to pass this course is B+.</i>	
Media employed	<i>Published papers, Laptop/Computer, internet connection.</i>	
Reading list	Books and publications that support each student's research.	

### CO-PLO Mapping

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

Last Modified Date : March 23, 2024