Doctor in Mathematics

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MODULE HANDBOOK

Module designation	*Dissertation (By Research)*
Code, if applicable	*MMM-9998*
Subtitle, if applicable	*Research Activities*
Semester(s) in which the module is taught	*It can be started in the second semester of each student*
Person responsible for the module	*Head of the Study Programme*
Language	*Bahasa Indonesia*
Relation to curriculum	*Compulsory course*
Teaching methods	*Discussion between student and his/her promotor Team, flipped classroom, project.*
Workload (incl. contact hours, self-study hours)	*Total workload is 560 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.*
Credit points in Credit Units	*6*
Required and recommended prerequisites for joining the module	*Starting the second semester each student and ending after the student submits the document of Dissertation and Publication Evaluation.*
Module objectives/intended learning outcomes	*After completing this course, the students should have the ability to:*

CO 1	*Write an academic report*
CO 2	Write and publish articles.
CO 3	Generate research
CO 4	Present and communicate their research confidently with a good ethic and performance
CO 5	Apply their knowledge to develop their academic abilities, both in teaching, research, and community services.

Content	A. *Monev (Monitoring and evaluation)* *Students provide a portfolio that consists of:* 1. *Description of the activities/research that has been carried out* 2. *Description of the progress of activities/research* 3. *New results obtained and their differences with what has been done* 4. *Plan for further activities/research* B. *Research performance:* 1. Activity and initiative in the research process: diligence and creativity (inclusive with the supervisor). 2. Activity and initiative in disseminating research results (exclusive through academic forums).
Examination forms	*Portfolio in every semester and presentation in the odd semester.*
Study and examination requirements	*Following the associated rubric provided by the Doctoral Study Programme in Mathematics due to:* • *Novelty and originality* • *Scientific quality* • *Scientific contribution* • *Validity of results.* *Monev (by Team of Monev and the Promotor Team)* 30% *Research performance by the Promotor Team* 70% *The minimum grade to pass this course is B+.*
Media employed	*Board, LCD Projector, Laptop/Computer, internet connection.*
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
CO 5	v	v	v	v	v	v

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