



UNIVERSITAS GADJAH MADA

Faculty of Mathematics and Natural Sciences

Department of Mathematics

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MODULE HANDBOOK

Module Name	<i>Capita Selecta in Advanced Computational Mathematics</i>
Code, if applicable	<i>MMM 7604</i>
Subtitle, if applicable	<i>Capita Selecta in Advanced Computational Mathematics</i>
Semester(s) in which the module is taught	
Person responsible for the module	<i>Chair of the Lab. of Computation of Mathematics</i>
Language	<i>Bahasa Indonesia</i>
Relation to curriculum	<i>elective</i>
Teaching methods	<i>lecture, project, seminar</i>
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	<i>3</i>
Required and recommended prerequisites for joining the module	
Module objectives/intended learning outcomes	<i>After completing this course, the students should have able to:</i> <ul style="list-style-type: none"><i>CO 1 evaluate latest journal papers in computational mathematics, and attempt to develop the method or combine several methods.</i><i>CO 2 carry out research in computational mathematics related to the papers read.</i>
Content	<i>In this course, students have to do activities under Lecture's supervision. Academic activities including literature study to master one or more concepts from many research areas which related to computational mathematics.</i>

Examination forms	<i>oral presentation, essay.</i>				
Study and examination requirements	<i>To pass this course, students must obtain a minimum grade of B. The final mark will be weighted as follows:</i>				
	<i>No</i>	<i>Assessment method</i>	<i>Weight</i>	<i>Cognitive</i>	<i>Project/Case base</i>
	<i>1.</i>	<i>Final Examination</i>	<i>30</i>	<i>12</i>	<i>18</i>
	<i>2.</i>	<i>Mid-Term Examination</i>	<i>30</i>	<i>18</i>	<i>12</i>
	<i>3.</i>	<i>Laboratory</i>	<i>25</i>		<i>25</i>
	<i>4.</i>	<i>Quiz, Homework</i>	<i>15</i>	<i>10</i>	<i>5</i>
	<i>TOTAL</i>	<i>100</i>	<i>40</i>	<i>60</i>	
Media employed	<i>Board, LCD Projector, Laptop/ Computer</i>				
Reading list	<i>References will be presented before the class started</i>				

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	v

Modified Date : September 04, 2023