UNIVERSITAS GADJAH MADA
Faculty of Mathematics and Natural Sciences
Department of Mathematics
Sekip Utara Bulaksumur Yogyakarta 55281 Telp: +62 274 552243 Fax: +62 274 555131 Email: math@ugm.ac.id Website: http://math.fmipa.ugm.ac.id

Doctor in Mathematics

Telp : +62 274 552243
Email : maths3@ugm.ac.id; kaprodi-s3-matematika.mipa@ugm.ac.id
Website : http://s3math.fmipa.ugm.ac.id/

MODULE HANDBOOK

Module designation	*Topics in Computational Mathematics*
Code, if applicable	*MMM 7605*
Subtitle, if applicable	*Topics in Computational Mathematics*
Semester(s) in which the module is taught	*1st or 2nd semester*
Person responsible for the module	*Chair of the Lab. of Computation of Mathematics*
Language	*Bahasa Indonesia*
Relation to curriculum	~~*Compulsory*~~ */ elective /* ~~*specialisation*~~
Teaching methods	*case based learning*
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	*existing competences in Numerical Method and coding*
Module objectives/intended learning outcomes	*After completing this course, the students should have able to:* • *CO 1 evaluate latest journal papers in computational mathematics, including problems in anisotropic material domain, machine learning, etc.* • *CO 2 carry out research in computational mathematics related to the papers read by attempting to develop or combine the methods in the paper.*

<table>
<tr><td>Content</td><td>In this course, students have to do activities under Lecture’s supervision. Academic activities including literature study to master one or more concepts including: Problems in anisotropic material domain, machine learning, etc.</td></tr>
<tr><td>Examination forms</td><td>Oral presentation and essay</td></tr>
<tr><td>Study and examination requirements</td><td>To pass this course, students must obtain a minimum grade of B. The final mark will be weighted as follows:
<table>
<tr><td>No</td><td>Assessment method</td><td>Weight</td></tr>
<tr><td>1.</td><td>Oral Presentation</td><td>70</td></tr>
<tr><td>2.</td><td>Essay</td><td>30</td></tr>
<tr><td></td><td>Total</td><td>100</td></tr>
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<tr><td>Reading list</td><td>Selected papers.</td></tr>
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CO-PLO Mapping

	PLO 1	**PLO 2**	**PLO 3**	**PLO 4**	**PLO 5**	**PLO 6**
CO 1		V	V			V
CO 2		V	V			V

Last Modified Date :