Undergraduate Programme in Mathematics

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MODULE HANDBOOK

Module name	Capita Selecta in Computational Mathematics
Module level, if applicable	Bachelor
Code, if applicable	MMM-4449
Subtitle, if applicable	-
Courses, if applicable	Capita Selecta in Computational Mathematics
Semester(s) in which the module is taught	4th (fourth)
Person responsible for the module	Chair of the Lab. of Mathematical Computation
Lecturers	Appointed lecturer of Mathematical Computation
Language	Bahasa Indonesia
Relation to curriculum	Elective course in the third year (6th semester) Bachelor Degree
Type of teaching, contact hours	150 minutes lectures and 180 minutes structured activities per week.
Workload	Total workload is 136 hours per semester, which consists of 150 minutes lectures per week for 14 weeks, 180 minutes structured activities per week, 180 minutes individual study per week, in total is 16 weeks per semester, including mid exam and final exam.
Credit points	3
Requirements according to the examination regulations	Students have taken Capita Selecta in Computational Mathematics course (MMM-4449) and have an examination card where the course is stated on.
Recommended prerequisites	Students have taken Computational Mathematics course (MMM-3305) and have participated in the final exam of the module.
Module objectives/intended learning outcomes	After completing this course the students will be able to : CO1. evaluate recent development of the subject. CO2. identify more recent development of the subject by reading and studying journal papers. CO3. analyze the application of the theory which is learned on this subject.
Content	Content of this course may vary every year depend on the lecturer's expertise.
Study and examination requirements and forms of examination	The final mark will be weighted as follows: No Assessment methods (components, activities) Weight (percentage) 1 Final Examination 45% 2 Mid-Term Examination 30% 3 Class Activities: Quiz, Homework, etc. 25% The initial cut-off points for grades A, B, C, and D should not be less than 80%, 70%, 50%, and 40%, respectively.
Media employed	White Board, LCD Projector, Laptop/Computer
Reading List	Decided by Lecturer

PLO and CO Mapping

	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	LO 9
CO 1			v		v	v			v
CO 2			v		v	v			v
CO 3			v		v	v	v		v