MINISTRY OF EDUCATION, CULTURE, RESEARCH, AND TECHNOLOGY
UNIVERSITAS NEGERI JAKARTA
FACULTY OF MATHEMATICS AND NATURAL SCIENCE
Jl. Rawamangun Muka, RT 11/RW14, Rawamangun, Pulo Gadung
East Jakarta City, Special Capital Region Of Jakarta 13220
Email: pend.mat@unj.ac.id, http: https://fmipa.unj.ac.id/penmat

Capita Selecta of Mathematics

Module designation	Capita Selecta of Mathematics
Semester(s) in which the module is taught	VI (Even Semester)
Person responsible for the module	Drs. Swida Purwanto, M.Pd
Language	Indonesian Language
Relation to curriculum	Elective
Teaching methods	Teaching methods used in this course are: - Lecture (i.e., collaboration learning, group discussion, and presentation) - Structured assignments (i.e., essay and project-based report) - Project-based Learning
Workload (incl. contact hours, self-study hours)	For this course, students required to meet a minimum of 154,66 hours in one semester, which consist of 26,66 hours for lecture 64 hours for structured assignments 64 hours for private study
Credit points	4,5 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	- Students can understand the concepts of trigonometry and financial mathematics more deeply. - Students can apply these concepts in learning school mathematics in high school.
Content	**Students will learn about:** Able to understand the concepts of trigonometry and financial mathematics more deeply and be able to apply these concepts in teaching school mathematics in high school.

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Examination forms	Assessment of the learning process according to the following components: active learning 10%, group assignments (project-based reports and presentations) 30%, mid-test 20%, final test 40%.
Study and examination requirements	**Study and examination requirements:** - Students must attend 15 minutes before the class starts. - Students must switch off all electronic devices. - Students must inform the lecturer if they will not attend the classdue to sickness, etc. - Students must submit all classwork before the final test time. - Students must submit a project-based report to take the final exam. **Form of examination:** Forms of examination: project-based report, mid-test, final test
Reading list	1. MCL: mcl.math-unj.org 2. Ilmu ukur segitiga [Triangle Measuring] C.J. Alders 3. Matematika Keuangan [Financial mathematics]. Drs. L Sembiring Ak. Dkk. 4. Ilmu Hitung Keuangan [Financial Calculations]. Pamuntjak.

Module Description of Bachelor in Mathematics Education