



MODULE HANDBOOK

Cartography

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Undergraduate Study Program for Geography
Faculty of Mathematics and Natural Sciences
Universitas Indonesia

Cartography

Module designation	Cartography
Semester(s) in which the module is taught	First (1st) Semester
Person responsible for the module	Adi Wibowo, Ph.D.
Lecturer	<ol style="list-style-type: none"> 1. Adi Wibowo, Ph.D. 2. Dra, Tuty Handayani, M.S. 3. Riza Putera, M.Si. 4.
Language	Bahasa Indonesia
Relation to curriculum	Compulsory
Teaching methods	Student-centered Learning and combination with Cooperative Learning
Workload (incl. contact hours, self-study hours)	<ol style="list-style-type: none"> 1. Lectures: 100 minutes per week per semester 2. Assignment: 120 minutes per week per semester 3. Independent study: 120 minutes per week per semester 4. Minutes x weeks x semester: $340 \times 14 \times 1 = 4760$ minutes per semester 5. Midterm Examination: 100 minutes per semester 6. Final Examination: 100 minutes per semester 7. Total workload per semester: 4950 minutes / 82 hours 40 minutes
Credit points	2 (Two)
Required and recommended pre-requisites for joining the module	<ol style="list-style-type: none"> 1. -
Module objectives/intended learning outcomes	<p>After completing this course, students will be able to apply the basic principles of mapping, being able to analyze by knowing and understanding the process of mapping processes in reading, analyzing and interpreting maps, processes and ways to complete the steps of mapping activities through the basic element of mapping, also able to compile data into a digital map. Students are able to analyze and provide a presentation of the presentation of good and correct spatial information using maps and Atlas. The output from this course is a map of both manual and digital, and is produced as a print map in Atlas format.</p>
Content	<ol style="list-style-type: none"> 1. The Concept of Mapping and the Role of Cartography in Spatial Studies 2. The Concept of Scale and Grid 3. The Concept of Contour 4. The Concept of Quantitative Symbol 5. The Concept of Quantitative Symbol 6. The Concept of Geographical Name 7. Map Use 8. The Concept of Projection and Georeference 9. Coordinate and Transformation Data System 10. Layout and Edge Information 11. Software in Digital cartography 12. Data Base in Digital Cartography 13. Simbology in Digital Cartography 14. Static and Dynamic Atlas
Examination forms	-

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Study and examination requirements	<ol style="list-style-type: none">1. Group & Presentation Score (25%)2. Individual Score (15%)3. Midterm Examination (20%)4. Final Assignment (20)5. Final Examination (20%)
Reading list	