

CP234209 - Planning Information System

Module Name	Planning Information System/GIS
Module level, if applicable	Intermediate BoURP
Code, if applicable	CP234209
Subtitle, if applicable	-
Course, if applicable	Planning Information System/GIS
Semester(s) in which the module is taught	2 nd Semester
Person responsible for the module	Cahyono Susetyo
Lecturer	Cahyono Susetyo
Language	Indonesian, English
Relation to curriculum	Compulsory Courses for undergraduate program in Urban and Regional Planning
Type of teaching, contact hours	M1: Group discussion M3: Case study Lecture (Face to face lecture): 2.5 hours x 14 weeks per semester
Workload	Regular (3 SKS) Class: 2.5 hours x 14 weeks = 35 hours Structured activities: 4 hours x 14 weeks = 56 hours Independent Study: 3 hours x 14 weeks = 42 hours Exam: 1.5 hours x 4 time = 6 hours Total = 133 hours
Credit points	3 SKS ~ 4.8 ECTS
Requirements according to the examination regulations	Registered in this course Minimum 80% attendance in this course
Recommended prerequisites	-
Module objectives/intended learning outcomes	General Knowledge: <ol style="list-style-type: none"> 1. Able to understand the techniques and processes of urban and regional planning qualitatively, quantitatively, and spatial modeling (geographical information systems) and presentation techniques. 2. Able to apply plan formulation techniques and compile alternative spatial / spatial models through qualitative and quantitative approaches in the form of scenarios for setting spatial patterns and spatial structures of cities, regions, coasts. 3. Able to analyze the potentials and problems of spatial and non-spatial contexts of cities, regions, and coasts through analysis of the

	<p>interrelationships of aspatial and spatial aspects.</p> <p>4. Able to compile planning concepts and plan directions through the study of strategic problems in the context of cities, regions, coasts with an understanding of planning problems through observation and utilization of physical/spatial, social, economic and environmental data.</p> <p>Specific Knowledge:</p> <ol style="list-style-type: none"> 1. Students are able to understand the concept of using the Planning Information System and understand the method of its application in the Spatial Planning process. 2. Students are able to provide information and display planning results into an information system for publication purposes. 3. Students are able to formulate recommendations for spatial patterns using techniques and make decisions by determining the GIS process. 4. Students are able to develop web-based geographic information system concepts. 															
Content	<ol style="list-style-type: none"> 1. Introduction to planning information system. 2. Planning information system components. 3. Spatial analysis techniques. 4. Web-based spatial information. 															
Study and examination requirements and forms of examination	<p>4 assessments:</p> <table border="1" data-bbox="717 1192 1279 1539"> <thead> <tr> <th>Evaluation</th> <th>Method</th> <th>Weight</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Writing exam</td> <td>20%</td> </tr> <tr> <td>2</td> <td>Critical Review</td> <td>20%</td> </tr> <tr> <td>3</td> <td>Practical Exam</td> <td>40%</td> </tr> <tr> <td>4</td> <td>Presentation of Major Task</td> <td>20%</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 1. <i>Writing Exam - week 3</i> 2. <i>Critical Review - week 11</i> 3. <i>Practical Exam - week 4 until week 15</i> 4. <i>Presentation of Major Task – week 16</i> 	Evaluation	Method	Weight	1	Writing exam	20%	2	Critical Review	20%	3	Practical Exam	40%	4	Presentation of Major Task	20%
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1	Writing exam	20%														
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Media employed	<p>Classical teaching tools with white board and power point presentation, audiovisual, zoom meeting, ITS online classroom.</p>															
Reading list	<p>Main reference:</p> <ol style="list-style-type: none"> 1. Information Systems for Urban Planning: A 															

	<p>Hypermedia Cooperative Approach, Robert Laurini, CRC Press, 2018</p> <p>2. Springer Handbook of Geographic Information, W.Kresse, Springer, 2012</p>
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