

CP234316 – Methods of Planning Analysis

Module Name	Method of Planning Analysis
Module level, if applicable	Intermediate BoURP
Code, if applicable	CP234316
Subtitle, if applicable	-
Course, if applicable	Method of Planning Analysis
Semester(s) in which the module is taught	3 rd Semester
Person responsible for the module	Cahyono Susetyo, ST., MSc.
Lecturer	Cahyono Susetyo, ST., MSc.
Language	Indonesian, English
Relation to curriculum	Compulsory Courses for undergraduate program in Urban and Regional Planning
Type of teaching, contact hours	M3: Case study Lecture (Face to face lecture): 2.5 hours x 14 weeks 35 hours 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 spatial and non-spatial planning methods in decision making in the field of urban and regional planning 2. Able to understand the techniques and processes of urban and regional planning qualitatively, quantitatively, and spatial modeling (geographical information systems) and presentation techniques 3. Able to apply planning formulation techniques and develop 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 4. Able to develop planning concepts and direction plans through the study of strategic issues in the context of cities, regions, coastal areas with an understanding of planning issues through observing and utilizing

	<p>physical/spatial, social, economic and environmental data</p> <p>Specific knowledge:</p> <ol style="list-style-type: none"> 1. Data collection techniques (surveys) for qualitative and quantitative data 2. Data analysis with various regression techniques 3. Linkage analysis between variables 4. Optimization in decision making 5. Data analysis with various qualitative and quantitative analysis techniques 															
Content	<ol style="list-style-type: none"> 1. Linkage analysis between variables 2. Data collection techniques (surveys) for qualitative and quantitative data 3. Data collection techniques (surveys) for qualitative and quantitative data 4. Data analysis with various regression techniques 5. Data analysis with various regression techniques 6. Linkage analysis between variables 7. Linkage analysis between variables 8. Linkage analysis between variables 9. Optimization in Decision Making 10. Data analysis with various qualitative and quantitative analysis techniques 11. Data analysis with various qualitative and quantitative analysis techniques 12. Data analysis with various qualitative and quantitative analysis techniques 13. Data analysis with various qualitative and quantitative analysis techniques 14. Data collection techniques (surveys) for qualitative and quantitative data 15. Data collection techniques (surveys) for qualitative and quantitative data 															
Study and examination requirements and forms of examination	<p>4 assessments:</p> <table border="1" data-bbox="708 1480 1273 1693"> <thead> <tr> <th>Evaluation</th> <th>Method</th> <th>Weight</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Quiz 1 (quantitative)</td> <td>15%</td> </tr> <tr> <td>2</td> <td>Practicum</td> <td>35%</td> </tr> <tr> <td>3</td> <td>Quiz 2 (qualitative)</td> <td>15%</td> </tr> <tr> <td>4</td> <td>Small research task</td> <td>35%</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 1. Quiz 1 – week 10 2. Practicum – week 4-15 3. Quiz 2 – week 16 4. Small research task – week 16 	Evaluation	Method	Weight	1	Quiz 1 (quantitative)	15%	2	Practicum	35%	3	Quiz 2 (qualitative)	15%	4	Small research task	35%
Evaluation	Method	Weight														
1	Quiz 1 (quantitative)	15%														
2	Practicum	35%														
3	Quiz 2 (qualitative)	15%														
4	Small research task	35%														
Media employed	<p>Classical teaching tools with white board and power point presentation, audiovisual, zoom meeting, ITS online classroom.</p>															

Reading list	Main reference: <ol style="list-style-type: none"><li data-bbox="742 235 1380 302">1. Approaching Multivariate Analysis, 2nd Edition: A Practical Introduction, Taylor & Francis, 2022<li data-bbox="742 309 1380 376">2. SPSS statistics for data analysis and visualization, Wiley Blackwell, 2017<li data-bbox="742 383 1380 450">3. Qualitative data analysis: practical strategies, Sage Publications, 2013<li data-bbox="742 456 1380 524">4. Quantitative Data Analysis: Doing Social Research to Test Ideas, Jossey-Bass, 2014<li data-bbox="742 530 1380 586">5. Beginning Mathematica and Wolfram for Data Science, Apress, 2021
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