

MODUL ENVIRONMENTAL PLANNING THEORY



MASTER PROGRAM OF ENVIRONMENTAL SCIENCE
SCHOOL OF POSTGRADUATED STUDIES
DIPONEGORO UNIVERSITY

Modul Description:

Modul Name	Environmental Planning Theory
Modul level, if applicable	
Code, if applicable	P-CIL-8-204
Subtitles, if any	
Course, if applicable	
Semester(s) in which the Modulis taught	Semester 2
Modul Responsible	Prof. Dr. Sudharto Prawata Hadi, MES, Ph.D
Teaching Lecturer	1. Dr. Kismartini, M.Sc. 2. Dr. Eng. Maryono, ST, MT
Language	<i>Indonesian and English</i>
Relationship with curriculum	
Type of teaching, hours of contact	<i>Lectures: 1 x 180 minutes x 16 meetings = 48 hours/week Q&A: 1 x 30 minutes x 16 meetings = 8 hours/week Discussion: 1 x 30 minutes x 16 meetings = 8 hours/week Presentation: 1 x 30 minutes x 16 meetings = 8 hours/week Individual assignment: 60 minutes/day = 5 hours/week Total work for 1 semester = 150 hours = 6 ECTS</i>
Workload	<i>(Estimated) workload, divided into contact hours (lectures, exercises, laboratory sessions, etc.) and personal study, including test preparation, specified in hours,¹and overall.</i>
credit points	<i>3Credits/ 6 ECTS</i>
Requirements according to the exam regulations	<i>Lecture attendance of at least 75%</i>
Recommended precondition	<i>For example, competence in...</i>

<p>Module the desired learning objectives/outcomes</p>	<ul style="list-style-type: none"> • Understand environmental planning theory in general • Be able to describe the scope of planning • Capable to explain problem from Development Planning • Capable to understand Economical Oriented Development • Capable to explain That ratio between planning theory • Able to understand the classification plan • Able to understand the role of Development Planning • Able to understand Environmental Planning as a whole • Able to understand Sustainable Development and Environmental Studies in Planning • Able to understand the stages and challenges in Planning Practice • Able to understand Strategic Planning • Able to explain the engineering aspects of planning • Able to develop alternative plans and make decisions.
<p>Fill</p>	<p>The Environmental Planning (Design for the Environment) course is a course in a systematic approach to evaluating the environmental impact of products and their processes, and their impact on human health and the environment. This course also provides learning about the practice of preparing environmental plans and their alternatives according to the needs of a case study.</p>
<p>Study and exam requirements and exam forms</p>	<ul style="list-style-type: none"> • <i>Open the book and close the book</i> • <i>Multiple choice, case studies, interviews, practicals</i>
<p>Media used</p>	<p><i>Powerpoint, youtube, website</i></p>

Read reference	<ol style="list-style-type: none"> 1. Allmendinger, P. 2017. Planning Theory. Bloomsbury Publishing 2. Baldwin, JH 2020. Environmental Planning and Management. Routledge 3. Blakely, Edward J. 1989. Local Economic Development Planning: Theory and Practice. Newbury Park, Cal.: Sage Publication 4. Boothroyd, Peter and Craig Davis. 1991. The Meaning of Community Economic Development. SCARP, UBC, Vancouver, Canada. 5. Boothroyd, Peter. 1991. Developing Community Planning Skills: Applying the Seven Step Model. UBC CHS, Vancouver, Canada. 6. Boothroyd, Peter. 1991. Looking at the Region: Regional Issues from a Community Development Perspective. SCARP, UBC, Vancouver, Canada. 7. Canadian Economic Council. 1990. From the Bottom Up: Community Economic Development Approach. 8. Hadi, Sudharto P. 1991. Comparative Analysis of Community Development: Developed Countries and Low Consumption Countries. Targeted study. School of Regional and Community Planning, UBC. Vancouver, Canada. 9. Kahraman, C., and Sari, IU 2017. Intelligence Systems in Environmental Management: Theory and Applications. Switzerland: Springer Cham. 10. Purbo, Hasan et. Al. 1995. Working with People: Indonesia's Experience with Community Driven Development. Bandung and Toronto: Consortium of Universities for the Environment.
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SEMESTER STUDY PLAN



Study program: Master of Environmental Science

Faculty: School of Postgraduate

Subject:	Environmental Planning Theory	Code: P-CIL-8-204	Credit:3 (6 ECTS)	smt:2			
Supporting lecturer:	Prof. Dr. Sudharto Prawata Hadi, MES, Ph.D Dr. Kismartini, M.Si Dr. Eng. Maryono, ST, MT						
Learning Outcomes Subject:	Able to prepare environmental planning plans and their alternatives						
Short Description of Courses:	The Environmental Planning (Design for Environment) course is a course in a systematic approach to evaluating the environmental impacts of products and their processes, and their impact on human health and the environment. This course also provides learning about the practice of preparing an environmental plan along with alternatives following the needs of a case study.						
1	2	3	4	5	6	7	
Week	Final Ability of each learning stage	Study Materials/ Subjects	Learning methods	Workload	Student Learning Experience	Evaluation Criteria & Indicators	Weight (%)
1	Understanding environmental planning theory in general	Introduction to Environmental Planning Theory	Lectures, questions and answers, and discussions	330min (0.375 ECTS) Consist of: <ul style="list-style-type: none"> • <i>Lecture:180 minutes</i> • <i>Q&A: 30 minutes</i> • <i>Discussion : 30 minutes</i> • <i>Presentation : 30 minutes</i> 	Students listen to the lecturer's explanation and answer the lecturer's questions, as well as discuss	<ul style="list-style-type: none"> • Presence • Activeness in Discussion • Understanding 	5

				<i>Individual tasks: 60 minutes/day (16 weeks)</i>			
2	Able to describe the scope of planning	Scope of Planning	Lectures, questions and answers, and discussions	330min (0.375 ECTS) Consist of: <ul style="list-style-type: none"> • <i>Lecture:180 minutes</i> • <i>Q&A: 30 minutes</i> • <i>Discussion : 30 minutes</i> • <i>Presentation : 30 minutes</i> <i>Individual tasks: 60 minutes/day (16 weeks)</i>	Students listen to the lecturer's explanation and answer the lecturer's questions, as well as discuss	<ul style="list-style-type: none"> • Presence • Activeness in Discussion • Understanding 	5
3	Able to explain issues from Development Planning	Development Planning Issues	Lectures, questions and answers, and discussions	330min (0.375 ECTS) Consist of: <ul style="list-style-type: none"> • <i>Lecture:180 minutes</i> • <i>Q&A: 30 minutes</i> • <i>Discussion : 30 minutes</i> • <i>Presentation : 30 minutes</i> <i>Individual tasks: 60 minutes/day (16 weeks)</i>	Students listen to the lecturer's explanation and answer the lecturer's questions, as well as discuss	<ul style="list-style-type: none"> • Presence • Activeness in Discussion • Understanding 	5
4	Able to understand Economic Oriented Development	Criticism of Economic-Oriented Development	Lectures, questions and answers, and discussions	330min (0.375 ECTS) Consist of: <ul style="list-style-type: none"> • <i>Lecture:180 minutes</i> • <i>Q&A: 30 minutes</i> • <i>Discussion : 30 minutes</i> 	Students listen to the lecturer's explanation and answer the lecturer's	<ul style="list-style-type: none"> • Presence • Activeness in Discussion • Understanding 	5

				<p>minutes</p> <ul style="list-style-type: none"> • Presentation : 30 minutes <p>Individual tasks: 60 minutes/day (16 weeks)</p>	<p>questions, as well as discuss</p>		
5	Able to explain the comparison between planning theory	Comparison of Planning Theories	Lectures, questions and answers, and discussions	<p>330min (0.375 ECTS)</p> <p>Consist of:</p> <ul style="list-style-type: none"> • Lecture:180 minutes • Q&A: 30 minutes • Discussion : 30 minutes • Presentation : 30 minutes <p>Individual tasks: 60 minutes/day (16 weeks)</p>	<p>Students listen to the lecturer's explanation and answer the lecturer's questions, as well as discuss</p>	<ul style="list-style-type: none"> • Presence • Activeness in Discussion • Understanding 	5
6	Able to understand the classification of a plan	Classification of Types and Forms of Planning	Lectures, questions and answers, and discussions	<p>330min (0.375 ECTS)</p> <p>Consist of:</p> <ul style="list-style-type: none"> • Lecture:180 minutes • Q&A: 30 minutes • Discussion : 30 minutes • Presentation : 30 minutes <p>Individual tasks: 60 minutes/day (16 weeks)</p>	<p>Students listen to the lecturer's explanation and answer the lecturer's questions, as well as discuss</p>	<ul style="list-style-type: none"> • Presence • Activeness in Discussion • Understanding 	5
7	Able to understand the role of Development Planning	The Role of Development Planning in achieving prosperity	Lectures, questions and answers, and discussions	<p>330min (0.375 ECTS)</p> <p>Consist of:</p> <ul style="list-style-type: none"> • Lecture:180 minutes 	<p>Students listen to the lecturer's explanation and</p>	<ul style="list-style-type: none"> • Presence • Activeness in Discussion • Understanding 	5

			answers, and discussions	<i>minutes</i> <ul style="list-style-type: none"> • Q&A: 30 minutes • Discussion : 30 minutes • Presentation : 30 minutes <i>Individual tasks: 60 minutes/day (16 weeks)</i>	answer the lecturer's questions, as well as discuss		
8	Mid Term Examination	Meeting Material 1-7	Independent Written Test	330 minutes of processing time or the equivalent of 0.25 ECTS	Students working on UTS questions	Answer quality and timeliness	10
9	Able to understand Environmental Planning thoroughly	Environmental Planning (Components, Objectives, and Processes)	Lectures, questions and answers, and discussions	330min (0.375 ECTS) Consist of: <ul style="list-style-type: none"> • Lecture:180 minutes • Q&A: 30 minutes • Discussion : 30 minutes • Presentation : 30 minutes <i>Individual tasks: 60 minutes/day (16 weeks)</i>	Students listen to the lecturer's explanation and answer the lecturer's questions, as well as discuss	<ul style="list-style-type: none"> • Presence • Activeness in Discussion • Understanding 	5
10	Able to understand Sustainable development and Environmental Studies in Planning	Sustainable Development and Environmental Studies in Planning	Lectures, questions and answers, and discussions	330min (0.375 ECTS) Consist of: <ul style="list-style-type: none"> • Lecture:180 minutes • Q&A: 30 minutes • Discussion : 30 minutes 	Students listen to the lecturer's explanation and answer the lecturer's questions, as well as discuss	<ul style="list-style-type: none"> • Presence • Activeness in Discussion • Understanding 	5

				<ul style="list-style-type: none"> • <i>Presentation : 30 minutes</i> <i>Individual tasks: 60 minutes/day (16 weeks)</i>			
11	Able to understand the stages and challenges in Planning Practice	Stages and Challenges of Planning Practice	Lectures, questions and answers, and discussions	330min (0.375 ECTS) Consist of: <ul style="list-style-type: none"> • <i>Lecture:180 minutes</i> • <i>Q&A: 30 minutes</i> • <i>Discussion : 30 minutes</i> • <i>Presentation : 30 minutes</i> <i>Individual tasks: 60 minutes/day (16 weeks)</i>	Students listen to the lecturer's explanation and answer the lecturer's questions, as well as discuss	<ul style="list-style-type: none"> • Presence • Activeness in Discussion • Understanding 	5
12	Able to understand Strategic Planning	Strategic Planning	Lectures, questions and answers, and discussions	330min (0.375 ECTS) Consist of: <ul style="list-style-type: none"> • <i>Lecture:180 minutes</i> • <i>Q&A: 30 minutes</i> • <i>Discussion : 30 minutes</i> • <i>Presentation : 30 minutes</i> <i>Individual tasks: 60 minutes/day (16 weeks)</i>	Students listen to the lecturer's explanation and answer the lecturer's questions, as well as discuss	<ul style="list-style-type: none"> • Presence • Activeness in Discussion • Understanding 	5
13	Able to explain engineering aspects of planning	Engineering Aspects in Planning	Lectures, questions and answers, and discussions	330min (0.375 ECTS) Consist of: <ul style="list-style-type: none"> • <i>Lecture:180 minutes</i> 	Students listen to the lecturer's explanation and answer the	<ul style="list-style-type: none"> • Presence • Activeness in Discussion • Understanding 	5

				<ul style="list-style-type: none"> • Q&A: 30 minutes • Discussion : 30 minutes • Presentation : 30 minutes <p>Individual tasks: 60 minutes/day (16 weeks)</p>	lecturer's questions, as well as discuss		
14	Able to develop alternative plans and make decisions	Alternative Planning and Decision Making Practices (Individual Presentation)	Lectures, questions and answers, and discussions	<p>330min (0.375 ECTS)</p> <p>Consist of:</p> <ul style="list-style-type: none"> • Lecture:180 minutes • Q&A: 30 minutes • Discussion : 30 minutes • Presentation : 30 minutes <p>Individual tasks: 60 minutes/day (16 weeks)</p>	Students listen to the lecturer's explanation and answer the lecturer's questions, as well as discuss	<ul style="list-style-type: none"> • Presence • Activeness in Discussion • Understanding 	5
15	Able to develop alternative plans and make decisions	Alternative Planning and Decision Making Practices (Individual Presentation)	Lectures, questions and answers, and discussions	<p>330min (0.375 ECTS)</p> <p>Consist of:</p> <ul style="list-style-type: none"> • Lecture:180 minutes • Q&A: 30 minutes • Discussion : 30 minutes • Presentation : 30 minutes <p>Individual tasks: 60 minutes/day (16 weeks)</p>	Students listen to the lecturer's explanation and answer the lecturer's questions, as well as discuss	<ul style="list-style-type: none"> • Presence • Activeness in Discussion • Understanding 	5

16	Final Examination	Meeting Materials 1-15 (resume material)	Written test	330 minutes of processing time or the equivalent of 0.25 ECTS	Students working on UAS questions	Quality of answers and timeliness of collection	20
8. Reference List:		<ol style="list-style-type: none"> 1. Khambali, 2016, Disaster Management, ANDI Publisher, Yogyakarta 2. Bachtiar Erniati, et al (ed), 2021, Disaster and Environmental Knowledge, Publisher of the Kita Writing Foundation, Medan 3. Lestari Puji, 2018, Disaster Communication Important Aspects of Disaster Risk Reduction, Publisher PT Kanisius, Yogyakarta 4. Musthofa, 2019, Unraveling the Chaos of Environmental Disasters (Reflections on Environmental Journalism and Deep Ecology in Indonesia), Publisher UMM Press and PSLK UMM, Malang 					

