Semester Learning Plan (RPS)
Natural Resources and Environmental Management Course

College Name	:	Bengkulu University
Faculty	:	Agriculture
Study program	:	Natural Resource Management
Study Program Code	:	95101
Course Name	:	Natural Resources and Environment Management
Course Code	:	PSA 512
Type of Course	:	~~*National Compulsory, Study Program Mandatory, Elective, Specialization, Final Projec*~~*t/Thesis/Thesis/Dissertation*
Credit Weight	:	Face-to-face: 2 credits, practicum : 1 credit, field practice: … credits, simulation: … credits
Learning methods	:	Case Solving Method *(Case Method)* and *Project Based Learning (Team-Based Project)*
Semester	:	1
School year	:	2021/2022
Supporting lecturer	:	1. Dr. Ir. Muhammad Faiz Barchia, M.Agr.
	:	2. Dr. Yansen, S.Hut, M.Sc.
	:	 3. Dr. Yurike, S.Pt
Study Program Coordinator	:	**Prof. Dr. Ir. Urip Santosa, MSc.**
RPS Development Date	:	
CPMK Courses	:	Able to understand, plan, and develop the science and knowledge of Natural Resources Management in an interdisciplinary manner through an ecosystem approach.

Learning Outcomes (CP)

A. CPL- Study Program Charged to MK	:	
1. CPL-1 (P-1)	:	Mastering the concepts and principles of ecological processes, ecosystems, and the dynamics of natural resources, and the environment.
2. CPL-2 (P-2)	:	Mastering the concepts and principles of interaction of biophysical, social, social, economic, cultural interactions, as well as harmony, and justice in the management of natural resources and the environment.
3. CPL-3 (P-4)	:	Mastering the concept of the relationship between natural resource management and the environment in sustainable development.
4. CPL-4 (KU-1)		Able to master, *develop* logical, critical, systematic, and creative thinking through scientific research in the field of natural resource management and the environment by paying attention to and applying human values, compiling scientific conceptions and study results based on scientific principles, procedures, and ethics.
5. CPL-5 (KU-3)		Able to compile ideas, thoughts, and scientific arguments responsibly and based on academic ethics, and communicate them through the media to the academic community and the wider community.
6. CPL-6 (KU-8)		*Able to develop* and identify the scientific field that is the object of his research and position it into a research map developed through an interdisciplinary, multidisciplinary, or trans-disciplinary approach .
7. CPL-7 (KK-2)		Able to master developing research methods and able to conduct research through a multidisciplinary approach, and data presentation, evaluation, and comprehensive solutions related to conservation, natural resource management, especially related to watershed management and coastal areas.
8. CPL-8 (KK-3)		Able to master, develop and prepare plans for management, utilization, monitoring, policies related to natural resources and the environment
B. Course Learning Outcomes (CPMK)	:	
1. CPMK1	:	Mastering the concepts and principles of ecological processes, ecosystems, and the dynamics of natural resources, and the environment. (CPL-1)
2. CPMK2	:	Mastering the concepts and principles of interaction of biophysical, social, social, economic, cultural interactions, as well as harmony, and justice in the management of natural resources and the environment. (CPL-2)
3. CPMK3	:	Mastering the concept of the relationship between natural resource management and the environment in sustainable development. (CPL-3)
4. CPMK4	:	Able to develop logical, critical, systematic, and creative thinking through scientific research in the field of natural resource management and the environment by paying attention to and applying human values, compiling scientific conceptions and study results based on scientific principles, procedures, and ethics. (CPL-4)
5. CPMK5	:	Able to compile ideas, thoughts, and scientific arguments responsibly and based on academic ethics, and communicate them through the media to the academic community and the wider community. (CPL-5)
6. CPMK6	:	Develop and identify the scientific field that is the object of research and position it into a research map developed through an interdisciplinary, multidisciplinary, or trans-disciplinary approach. (CPL-6)

7. CPMK7	:	Able to develop research methods and able to conduct research through a multidisciplinary approach, and data presentation, evaluation, and comprehensive solutions related to conservation, natural resource management, especially related to watershed management and coastal areas. (CPL-7)
8. CPMK8	:	Develop and prepare management plans, utilization, monitoring, policies related to natural resources and the environment. (CPL-8)
C. Final Ability of Each Learning Stage (Sub-CPMK)		*The content is in accordance with the abilities that students will receive in certain subjects and ends with the provision of codes that refer to CPL and CPMK, for example [CPMK-4] or can contain Affective verbs-1 (A-1). Pay attention to using words that start with the word 'able' and continue with operational verbs. Avoid non-operational/action verbs, such as: 'understand', 'understand', and learn'.*
1. Sub-CPMK1	:	Able to explain the concept of natural resource management and the objectives of natural resources management. (CPMK 1; CPMK 3)
2. Sub-CPMK2	:	Able to explain aspects of land resources and their constituent components and the position, function and role of land resources in environmental management. (CPMK 2)
3. Sub-CPMK3	:	Able to explain the concept of sustainable development and its relation to land resource development (CPMK 1; CPMK 3: CPMK 4)
4. Sub-CPMK4	:	Able to explain the impact of development on land resources and various efforts to minimize negative impacts (CPMK 4; CPMK 5)
5. Sub-CPMK5	:	Able to explain various aspects of water resources and watersheds (CPMK 1)
6. Sub-CPMK6	:	Able to explain watershed characteristics, watershed performance criteria and indicators, criticality level assessment, and integrated watershed management (CPMK 3; CPMK 6).
7. Sub-CPMK7	:	Able to explain Geographic Information System Approach in Watershed Management Planning and Development (CPMK 6; CPMK 7)
8. Sub-CPMK8	:	Able to explain Ethnoecology/ (Ethnobotany) in Natural Resources and Environmental Management; Examples of *Local Wisdom* in Indonesia in the Management of Natural Resources and the Environment; *Developing Local Wisdom* in Natural Resources Management (CPMK 2)
9. Sub-CPMK9	:	Able to explain the concept of carrying capacity of natural resources and the environment (CPMK 1)
10. Sub-CPMK10	:	Able to explain a harmonious and sustainable spatial and environmental planning system and spatial and environmental planning system in the context of a balance between increasing human activities and the carrying capacity of a dynamic environment (CPMK 3; CPMK 5)
11. Sub-CPMK11	:	Able to explain the concept of environmental policy analysis, and public policy theory. (CPMK 7; CPMK 8)
12. Sub-CPMK12	:	Able to explain *Developing* Quantitative Methods, Analysis and Policy Formulation and Concepts and Applications of Participatory Research. (CPMK 5; CPMK 7; CPMK 8)
Correlation of CPMK to Sub-CPMK		
1. CPMK1	:	Sub-CPMK1, Sub-CPMK3, Sub-CPMK5, Sub-CPMK9
2. CPMK2	:	Sub-CPMK2, Sub-CPMK8
3. CPMK3	:	Sub-CPMK1, Sub-CPMK3, Sub-CPMK6, Sub-CPMK10
4. CPMK4	:	Sub-CPMK3, Sub-CPMK4
5. CPMK5	:	Sub-CPMK5, Sub-CPMK10, Sub-CPMK12
6. CPMK6	:	Sub-CPMK6, Sub-CPMK7
7. CPMK7	:	Sub-CPMK7, Sub-CPMK11, Sub-CPMK12
8. CPMK8	:	Sub-CPMK11, Sub-CPMK12

Short Course Description	:	This course discusses the principles of sustainable natural resource management and environmental management. Students will be introduced to various natural resources, including renewable and non-renewable natural resources. The discussion also covers how managing natural resources affects the lives of present and future generations. The discussion covers the principles of human interaction with sustainable landscapes by considering ecological and social processes, with a multi-sectoral approach. In this course, the learning process is carried out using blended learning using the *case method* and project-based group learning methods (*team-based project* or *project based learning*). Then, *blended learning* is carried out offline in the classroom and/or Unib LMS at *https://elearning.unib.ac.id/* , while online using Zoom Cloud Meeting. Assessment of the Discourse Analysis Course is sourced from case completion, project completion, activity in class, summarizing assignments, midterm exams, and final semester exams that reflect the CPL attitudes, knowledge, general skills, and special skills that are charged to the course.
Learning materials or Study Material n	:	
1. Meeting 1	:	The Concept of Natural Resources Management and the Objectives of Natural Resources Management
2. Meeting 2	:	Aspects of Land Resources and their Compounding Components as well as the Position, Function and Role of Land Resources in Environmental Management
3. Meeting 3	:	The concept of sustainable development and its relation to land resource development
4. Meeting 4	:	The Impact of Development on Land Resources And Various Efforts To Minimize Its Negative Impact
5. Meeting 5	:	Various Aspects of Water Resources and Watersheds
6. Meeting 6	:	Watershed Characteristics, Watershed Performance Criteria and Indicators, Critical Level Assessment, and Integrated Watershed Management.
7. Meeting 7	:	Geographic Information System Approach in Watershed Management Planning and Development
8. Meeting 8	:	(*Midterm Exam*)
9. Meeting 9 -10	:	Ethnoecology/ (Ethnobotany) in the Management of Natural Resources and the Environment; Examples of *Local Wisdom* in Indonesia in the Management of Natural Resources and the Environment; *Developing Local Wisdom* in Natural Resources Management
10. Meeting 11	:	The concept of carrying capacity of natural resources and the environment
11. Meeting 12-13	:	Harmonious and Sustainable Spatial and Environmental Planning Systems and Environmental and Spatial Planning Systems in the Context of a Balance Between Increased Human Activities and Dynamic Environmental Carrying Capacity
12. Meeting 14	:	The Concept of Environmental Policy Analysis, And Public Policy Theory
13. Meeting 15	:	*Developing* Quantitative Methods, Policy Analysis and Formulation as well as Participatory Research Concepts and Applications
14. Meeting 16	:	Final Exams (Final Exams)
Reference Source or Library	:	
1. Main Library	:	[1] Dr. Iswandi U. MSi, and Dr. Indang Dewata MSi. “Natural Resource Management”
2. Support Libraries	:	
Learning Media	:	
1. Software	:	1. Presentation of Meeting Materials 1 to 15 in the form of Power Point 2. Presentation Videos

		3. https://elearning.unib.ac.id/ specifically for the Natural Resources and Environmental Management Course for Even Sem e ster 2021/2022 4. Zoom Cloud Meeting
2. Hardware	:	1. Laptops 2. Mouse 3. LCD 4. Speaker 5. Handset 6. Whiteboard

Steps or Learning Activity Plans for Each Meeting

Week-	Final Ability of Each Stage of Learning (Sub-CPMK)	Evaluation		Learning Forms, Learning Methods, Student Assignments [Estimated Time]		Learning materials [References]	Rating Weight (%)
		Indicator	Criteria and Techniques	Offline (*Offline*)	Online (*Online*)		
1	**Sub-CPMK 1 .** Capable explain the concept Natural Resources Management and Objectives of Natural Resources Management	a. Accuracy in explaining the Concept of Natural Resources Management and the Objectives of Natural Resources Management	1. Criteria: a) guidelines for assessing case analysis of the Natural Resources Management Concept; b) assessment guidelines make a summary. 2. Techniques: a) test case description of the Natural Resources Management Concept; b) performance tests make a summary of lecture material.	**a. Studying** **b. Learning Process** with case solving method (*case method*) [PB: 1X(2X50')] **c. Assignment** 1. **Task 1** : Case analysis on the Concept of Natural Resources Management . 2. **Task 2:** Make a summary of the lecture material. [PT: 1x(2x60')] (BM: 1x(2x60')]	**Assignment:** Analysis of cases on the Concept of Natural Resources Management and make a summary of lecture materials through LMS Bengkulu University at https://elearning.unib.ac.id/	Theory: The Concept of Natural Resources Management and Objectives of Natural Resources Management References:	5

2	**Sub-CPMK2 .** Able to explain various aspects of land resources and components its constituents. b. Students are able explain position, function and the role of resources land under management environment.	a. Accuracy in explaining various aspects of land resources and their constituent components. b. Accuracy in explaining the position, function and role of land resources in environmental management	1. Criteria: a) project appraisal guideline to prepare papers on the concept of environmentally sound land resource management and the position, function and role of land resources in environmental development and management; b) assessment guidelines make a summary. 2. Techniques: a) project assignment test compiling a concept paper on environmental management of land resources and the position, function and role of land resources in environmental development and management; b) performance test to make a summary of lecture material; and c) paper presentation performance test.	**a. Studying** **b. Learning Process** with Project-Based Group Learning Method (*Team-Based Project*) . [PB: 1X(2X50')] **c. Assignment** **1. Task 3** : Make a paper on the concept of land resource management with an environmental perspective as well as the position, function and role of land resources in environmental development and management [PT: 1x(2x60')] (BM: 1x(2x60')] **2. Task 4:** Make a summary of lecture material [PT: 1x(2x60')] (BM: 1x(2x60')]	**Assignment:** The project compiles a concept paper on environmentally sound land resource management as well as the position, function and role of land resources in environmental development and management and makes a summary of lecture materials through the Bengkulu University LMS at https://elearning.unib.ac.id/	Theory: a. Various aspects of land resources and their constituent components. b. Position, function and role of land resources in environmental management References:	5

3	**Sub-CPMK3 .** Able to explain concepts Sustainable development and its relation to land resource development .	a. Accuracy in explaining the concept of sustainable development and its relation to land resource development	1. Criteria: a) guidelines for assessing case analysis of the concept of sustainable development and its relation to land resource development; b) assessment guidelines make a summary . 2. Techniques: a) test case description of the concept of sustainable development and its relation to land resource development; b) performance tests make a summary of lecture material.	**a. Studying** **b. Learning process** with case solving method (*case method*). [PB: 1X(2X50')] **c. Assignment** **1. Task 5** : Case analysis on the concept of sustainable development and its relation to land resource development **2. Task 6** : Make a summary of the lecture material. [PT: 1x(2x60')] (BM: 1x(2x60')]	**Assignment:** Case analysis of the concept management land resources insightful environment as well as position, function and resource role deep land development and management environment and make a summary of lecture material through LMS Bengkulu University at https://elearning.unib.ac.id/	Theory: draft Sustainable development and its relation to land resource development References:	5
4	**Sub-CPMK4.** Able to explain the impact of development on land resources and efforts to minimize their negative impacts .	a. Accuracy in explaining the forms of environmental law instruments	1. Criteria: a) guideline for analyzing assessment cases of the impact of development on land resources and various efforts to minimize its negative impacts b) assessment guidelines make a summary.	**a. Studying** **b.** Learning process with case solving method (*case method*). [PB: 1X(2X50')] **c. Assignment** **1. Task 7** : Analyzing cases of development impacts on land resources and efforts to minimize	**Assignment:** Analyzing cases of development impacts on land resources and efforts to minimize their negative impacts and make a summary of lecture material through LMS Bengkulu University at https://elearning.unib.ac.id/	Theory: the impact of development on land resources and various efforts to minimize its negative impact References:	5

			2. Techniques: a) test case analysis of forms of environmental law instruments; b) performance tests make a summary of lecture material.	their negative impacts . **2.Task 8** : Make a summary of lecture material [PT: 1x(2x60')] (BM: 1x(2x60')]			
5	**Sub-CPMK5.** Able to explain various aspects of water resources and watersheds .	a. Accuracy in explaining rights and obligations in environmental management	1. Criteria: a) guidelines for project assessment of rights and obligations in environmental management; b) assessment guidelines make a summary. 2. Techniques: a) project assignment test compiling papers on various aspects of water resources and watersheds . ; and c) paper presentation performance test.	a. **Studying** b. **Learning Process** with Project- Based Group Learning Method (*Team-Based Project*) . [PB: 1X(2X50')] c. **Assignment** **1.Task 9** : Breastfeeding project n papers on various aspects of water resources and watersheds . **2.Task 10** : Make a summary of lecture material [PT: 1x(2x60')] (BM: 1x(2x60')]	**Assignment:** The project compiles a paper on various aspects of water resources and watersheds and make a summary of lecture material through LMS Bengkulu University at https://elearning.unib.ac.id/	Theory: various aspects of water resources and watersheds . References:	5
6	**Sub-CPMK6.** Able to explain watershed characteristics, watershed performance criteria and indicators, criticality level assessment, and integrated watershed management.	a. Accuracy in explaining watershed characteristics, criteria and indicators for watershed performance, b. Accuracy explains the Criticality Rating,	1. Criteria: a) guideline for project assessment to prepare papers on watershed characteristics, watershed performance criteria and indicators, criticality level	a. **Studying** b. **Learning Process** with Project- Based Group Learning Method (*Team-Based Project*) . [PB: 1X(2X50')] c. **Assignment**	**Assignment:** The project compiles an Analysis paper on watershed characteristics, criteria and watershed performance indicators, Critical Level Assessment, and Watershed Management	Theory: a. Watershed Characteristics, Watershed Performance Criteria and Indicators b. Critical Rating c. Integrated Watershed Management	5

		c. Accuracy explained Integrated Watershed Management,	assessment, and integrated watershed management ; b) assessment guidelines make a summary. 2. Techniques: a) project assignment test compiling papers on watershed characteristics, watershed performance criteria and indicators, criticality level assessment, and integrated watershed management; b) performance test to make a summary of lecture material; and c) paper presentation performance test.	**1.Task 11** : Breastfeeding project n paper on watershed characteristics, criteria and Watershed Performance Indicators, Critical Level Assessment, and Watershed Management Integrated . **2.Task 12** : Make a summary of lecture material [PT: 1x(2x60')] (BM: 1x(2x60')]	Integrated and summarized lecture material through LMS Bengkulu University at https://elearning.unib.ac.id/	References:	
7	**Sub-CPMK7.** Able to explain Geographic Information System approach in Planning, and development of watershed management.	a. Accuracy explains the Geographic Information System approach in planning, and developing watershed management.	1. Criteria: a) guidelines for evaluating case analysis of the Geographic Information System approach in planning, and developing watershed management; b) assessment guidelines make a summary . 2. Techniques: a) test case description of	**a. Studying** **b.Learning process** with case solving method (*case method*) . [PB: 1X(2X50')] **c. Assignment** **1.Task 13:** Case analysis of the Geographic Information System approach in Planning, and development of	**Assignment:** Case analysis of the Geographic Information System approach in Planning, and development of watershed management. and make a summary of lecture material through LMS Bengkulu University at https://elearning.unib.ac.id/	Material: Geographic Information System approach in Planning, and development of watershed management. References:	5

			the Geographic Information System approach in Planning, and development of watershed management. ; b) performance tests make a summary of lecture material.	watershed management. **2.Task 14:** Make a summary of lecture material [PT: 1x(2x60')] (BM: 1x(2x60')]			
8	UTS/Mid-Semester Examination: Validate the results of the assessment, evaluation, and improvement of the next learning process.						5
9-10	**Sub-CPMK8.** Able to explain ethnoecology / (ethnobotany) in resource management nature and the environment; Give an example of *local wisdom* in Indonesia in natural resource management and environment; *develop local wisdom* in management natural resources.	a. Accuracy explained social system concepts, as well as examples from *local wisdom* in Indonesia in the management of natural resources and the environment.	1. Criteria: a) project appraisal guidelines compiling papers on social system concepts, as well as examples from *local wisdom* in Indonesia in the management of natural resources and the environment; b) assessment guidelines make a summary. 2. Techniques: a) project assignment test compiling a paper social system concepts, as well as examples from *local wisdom* in Indonesia in the management of natural resources	**a. Studying** **b. Learning Process** with Project-Based Group Learning Method (*Team-Based Project*) . [PB: 1X(2X50')] **c. Assignment** **1.Task 15** : Make a paper on the concepts of social systems, as well as examples from *local wisdom* in Indonesia in the management of natural resources and the environment. [PT: 1x(2x60')] (BM: 1x(2x60')] **2. Task 16:** Summarize lecture material [PT: 1x(2x60')] (BM: 1x(2x60')]	**Assignment:** Project papers on the concepts of social systems, as well as examples from *local wisdom* in Indonesia in managing natural resources and the environment and making a summary of lecture materials through the Bengkulu University LMS at https://elearning.unib.ac.id/	Theory: a. Deepening and analyzing the concepts of social systems, *local wisdom* , *great-little tradition* (relationships between urban and rural cultures) b. Development of cultural value orientation c. Development of local/participatory technology, the performance of various agro-ecosystems and alternatives for future agricultural development that are ecologically sound References:	10

			and the environment; b) performance test to make a summary of lecture material; and c) paper presentation performance test.	**a. Studying** **b. Learning Process** with Project- Based Group Learning Method (*Team-Based Project*) . [PB: 1X(2X50')] **c. Assignment** **Task 17** : Project presentation on social system concepts, as well as *local examples wisdom* in Indonesia in managing natural resources and the environment on a panel basis . [PT: 1x(2x60')] (BM: 1x(2x60')]	**Assignment:** Video presentation of a paper on the concepts of social systems, as well as examples from *local wisdom* in Indonesia in managing natural resources and the environment through LMS Bengkulu University at https://elearning.unib.ac.id/		
11	**Sub-CPMK9.** Able to explain the concept of carrying capacity of natural resources and the environment .	a. Accuracy in explaining the concept of carrying capacity of natural resources and the environment	1. Criteria: a) guideline for project appraisal to produce a paper on the concept of carrying capacity of natural	**a. Studying** **b. Learning Process** with Project-Based Group Learning Method (*Team-Based Project*) .	**Assignment:** Video project presentation of paper on the concept of carrying capacity of natural resources and the environment; through LMS Bengkulu University at https://elearning.unib.ac.id/	Theory: the concept of carrying capacity of natural resources and the environment References:	5

			resources and the environment ; b) assessment guidelines make a summary. 2. Techniques: a) project assignment test compiling a concept paper on the carrying capacity of natural resources and the environment; b) performance tests make a summary of lecture material.	[PB: 1X(2X50')] **c. Assignment** **1.Task 18** : The project writes a paper on the concept of carrying capacity of natural resources and the environment . **2.Task 19** : Make a summary of lecture material. [PT: 1x(2x60')] (BM: 1x(2x60')]			
12-13	**Sub-CPMK10** Able to explain the system spatial planning and congenial environment and sustainable and system spatial planning and environment in context balance between human activities that increase and the carrying capacity of a dynamic environment. (C6, A3, P-3)	a. Accuracy describes a harmonious and sustainable system of spatial and environmental planning.	1. Criteria: a) guidelines for assessing case analysis of a harmonious and sustainable spatial and environmental management system ; b) assessment guidelines make a summary. 2. Techniques: a) test case description of a harmonious and sustainable spatial and environmental management system ; b) performance tests make a	**a. Studying** **b. Learning process** with case solving method (*case method*) . [PB: 1X(2X50')] **c. Assignment** **1.Task 20** : Case analysis of a harmonious and sustainable spatial and environmental management system **2. Task 21** : Make a summary of lecture material. [PT: 2x(2x60')] (BM: 2x(2x60')]	**Assignment:** Analysis of cases of a harmonious and sustainable spatial and environmental management system and making a summary of lecture materials through the Bengkulu University LMS at https://elearning.unib.ac.id/	Theory: a. Spatial and environmental management systems in improving the quality of space from the aspect of sustainable harmony. b. Spatial and environmental planning systems in the context of dynamic environmental balance and carrying capacity References: [1] p. [2] p. [3] p.	10

			summary of lecture material.				
14	**Sub-CPMK11.** Able to explain the concept of environmental policy analysis, and public policy theory	**a.** Accuracy in explaining the concept of environmental policy analysis, and public policy theory	1. Criteria: a) guidelines for project assessment, environmental policy analysis concepts, and public policy theories ; b) assessment guidelines make a summary. 2. Techniques: a) project assignment test of the concept of environmental policy analysis, and public policy theory; b) performance tests make a summary of lecture material.	**a. Studying** **b.Learning Process** with Project- Based Group Learning Method (*Team-Based Project*) . [PB: 1X(2X50')] **c. Assignment** **1.Task 22** : Environmental policy analysis concept project, and public policy theory **2.Task 23** : Make a summary of lecture material. [PT: 1x(2x60')] (BM: 1x(2x60')]	**Assignment:** Video project presentation of concept papers on environmental policy analysis, and public policy theory through LMS Bengkulu University and making a summary of lecture materials through LMS Bengkulu University at https://elearning.unib.ac.id/	Theory: the concept of environmental policy analysis, and public policy theory References: [1] p. [2] p. [3] page	5
15	**Sub-CPMK12.** Able to explain and *develop* methods quantitative, analytical and policy formulation as well as understand the concept and application of participatory research (C6, A3, P-3)	Accuracy in explaining, and *developing* quantitative methods, analysis and policy formulation as well as understanding the concepts and applications of participatory research	1.Criteria: a) guidelines for assessing projects using quantitative methods, analysis and policy formulation and understanding the concept and application of participatory research; b) assessment	**a. Studying** **b.Learning Process** with Project- Based Group Learning Method (*Team-Based Project*) . [PB: 1X(2X50')] **c. Assignment** **1.Task 24** : Project quantitative methods, policy analysis and	**Assignment:** Video project presentation of quantitative methods, analysis and policy formulation as well as understanding the concepts and applications of participatory research through the Bengkulu University LMS and making a summary of lecture materials through the	Theory: method quantitative, analytical and policy formulation as well as understand concepts and applications participatory research References: [1] p. [2] p.	5

			guidelines make a summary. 2.Techniques: a) project assignment test with quantitative methods, analysis and policy formulation as well as understanding the concept and application of participatory research; b) performance tests make a summary of lecture material.	formulation and understand the concepts and applications of participatory research **2.Task 25** : Make a summary of lecture material. [PT: 1x(2x60')] (BM: 1x(2x60')]	Bengkulu University LMS at https://elearning.unib.ac.id/		
16.	UAS / Final Semester Examination: Validate the results of the final assessment and determine student graduation.						20
Total value							100

Evaluation Plan

Evaluation Base	:	Evaluation Component	Weight (%)	Description (Indonesian)	Description (English)
1. Participatory Activities	:	Student Activity Observation (*Case Method*)	25	Group presentation activities and student discussions in solving cases on Natural Resources and Environment Management (Task 1, Task 3, Task 5, Task 7, Task 13, and Task 20).	Group presentation activities and student discussions in solving cases about Natural Resources and Environment Management (Task 1, Task 3, Task 5, Task 7, Task 13, and Task 20).
2. Project Results	:	Project Result Report (*Project Based Learning/ Team-Based Project*)	25	Project reports: 1) prepare papers on various aspects of water resources and watersheds; 2) compiling papers on watershed characteristics, watershed performance criteria and indicators, criticality level assessment , and integrated watershed management ; 3) Make a paper on the concepts of social systems, as well as examples of local wisdom in Indonesia in the management of natural resources and the environment; 4)	The project report: 1) compile papers on various aspects of water resources and watersheds; 2) compiling papers on watershed characteristics, watershed performance criteria and indicators, criticality level assessment, and integrated watershed management; 3) Make a paper on the concepts of social systems, as well as examples of local

				Project presentation on the concepts of social systems, as well as examples of local wisdom in Indonesia in the management of natural resources and the environment on a panel basis; 5) make a paper on the concept of carrying capacity of natural resources and the environment. 6) the concept of environmental policy analysis, and public policy theory; 7) quantitative methods, analysis and policy formulation as well as understanding the concepts and applications of participatory research. (Task 9, Task 11, Task 15, Task 17, Task 18, Task 22, and Task 24).	wisdom in Indonesia in the management of natural resources and the environment; 4) Project presentations on the concepts of social systems, as well as examples of local wisdom in Indonesia in the management of natural resources and the environment on a panel basis; 5) make a paper on the concept of carrying capacity of natural resources and the environment. 6) the concept of environmental policy analysis, and public policy theory; 7) quantitative methods, analysis and policy formulation as well as understanding the concepts and applications of participatory research. (Task 9, Task 11, Task 15, Task 17, Task 18, Task 22, and Task 24).
3. Cognitive/Knowledge	:	1. Independent and Group Tasks	5	The independent task summarizes the 14 materials from Sub-CPMK1 to Sub-CPMK14 (Task 2, Task 4, Task 6, Task 8, Task 10, Task 12, Task 14, Task 16, Task 19, Task 21, Task 23, and Task 25).	The independent task summarizes 11 materials from Sub-CPMK1 to Sub-CPMK14 (Task 2, Task 4, Task 6, Task 8, Task 10, Task 12, Task 14, Task 16, Task 19, Task 21, Task 23, and Task 25).
		2. Quiz	5	Quiz	Quiz
		3. Mid-Semester Examination (UTS)	20	Answering essay questions from material on Natural Resources and Environment Management at meeting 1 to meeting 7.	Answering essay questions from material on Environmental Policy and Law at meeting 1 to meeting 7
		4. Final Semester Exam (UAS)	20	Answering essay questions from material on Natural Resources and Environment Management at meetings 9 to 15.	Answering essay questions from material on Environmental Policy and Law at meeting 9 to meeting 15
		Total Value	**100**		
Student Activities					
1. First Meeting Student Activities	**:**				

a. Activity Type	**:**	1. Activities : Observing Student Activities (*Case Method*) 2. Cognitive: Individual Tasks
b. Activity Title	**:**	1. Case analysis on the Concept of Natural Resources Management and Objectives of Natural Resources Management 2. Summarize lecture material on the Concept of Natural Resources Management and the Objectives of Natural Resources Management
c. Activity Location	**:**	1. Class A, PSDA Unib Postgraduate Building **2.** Bengkulu University LMS at *https://elearning.unib.ac.id/*
d. Implementation date	**:**	
e. Task SK Number	**:**	-
f. Assignment Decree Date	**:**	-
g. Member Type	**:**	1. Small group for case analysis **2.** Individual to make a summary
h. Activity ID	**:**	Tgs-Pt1 (Meeting Task 1)
i. Activity Steps	**:**	1. Small Group Formation 2. Case Analysis in Groups 3. Panel Case Presentation by Panel 4. Giving Material Reinforcement by Lecturers 5. Individual Assignment
j. Rating Indicator	**:**	1. Case analysis a. Accuracy explained Natural Resources Management Concept b. Accuracy in explaining SDAL Management Objectives. **2.** Individual Tasks Summarizing Material a. Conformity with the content of the material b. Systematic Compilation c. Language Usage
k. Assessment Criteria and Weights	**:**	1. Case analysis Criteria: Exactly explain : Weight 2 Inaccurately explain : Weight 1 Improperly explained : Weight 0 **2.** Individual Tasks Summarizing Material Criteria: Exactly make a summary : Weight 1 Inaccurate in making a summary : Weight 0.5 Improper summarizing : Weight 0

l. Reference List/Reference List		[1] p. [3] p.
2. Second Meeting Student Activities	**:**	
a. Activity Type	**:**	1. Project Results: Project Results Report (*Project Based Learning/ Team-Based Project*) 2. Cognitive: Individual Tasks
b. Activity Title	**:**	1. The project compiles a paper on the concept of environmentally sound land resource management and the position, function and role of land resources in environmental development and management 2. Make a summary of lecture material on the concept of environmental management of land resources and the position, function and role of land resources in development and environmental management
3. Activity Location	**:**	1. Class A, PSDA Unib Postgraduate Building 2. Bengkulu University LMS at *https://elearning.unib.ac.id/*
4. Implementation date	**:**	
5. Task SK Number	**:**	-
6. Assignment Decree Date	**:**	-
7. Member Type	**:**	1. Small group for project **1.** Individual to make a summary
8. Activity ID	**:**	Tgs-Pt2 (Meeting Task 2)
9. Activity Steps	**:**	1. Small Group Formation 2. Group Making Project Work Plan 3. Project Implementation by Each Group 4. Project Report Generation 5. Project Presentation per Group by Panel 6. Giving Material Reinforcement by Lecturers 1. Individual Assignment
10. Rating Indicator	**:**	1. The project produces a paper on sustainable development and the application of natural rights a. Project Report 1. Novelty of Project Content 2. Writing Format 3. Language Usage b. Group Presentation 1. Presentation Material 2. The Power of Argument 3. Language Politeness

		2. Individual Tasks Summarizing Material a. Conformity with the content of the material b. Systematic Compilation c. Language Usage
11. Criteria and Weights	**:**	1. Project Report 1. Novelty of Project Content Contains Novelty Content from Project Weight: 1.5 Less Containing Novelty Contents of the Project Weight: 1 Does Not Contain Novelty Project Contents Weight: 0 2. Writing Format Writing Format According to LKTI Rules Weight: 1 Writing Format Not In Accordance With LKTI Rules Weight: 0.5 Writing Format Not Appropriate Weight: 0 3. Language Usage 2. Group Presentation 1. Presentation Material Presentation Material Is Worthy Weight: 0.2 Presentation Material Less Worth Weight: 0.1 Presentation Material Inappropriate Weight: 0 2. The Power of Argument Argument is good Weight: 0.2 Poor argument Weight: 0.1 Argument is not good Weight: 0 3. Language Politeness The use of language is polite Weight: 0.1 Use of impolite language Weight: 0.05 Use of disrespectful language Weight: 0 3. Individual Tasks Summarizing Material Criteria: Exactly make a summary : Weight 1 Inaccurate in making a summary : Weight 0.5 Improper summarizing : Weight 0
12. Reference List/Reference List	**:**	
1. Third Meeting Student Activities	**:**	

a. Activity Type	:	1. Activities : Observing Student Activities (*Case Method*) 2. Cognitive: Individual Tasks
b. Activity Title	:	1. Case analysis on the concept of sustainable development and its relation to land resource development 2. Summarize lecture material on the concept of sustainable development and its relation to land resource development
c. Activity Location	:	1. Class A, PSDA Unib Postgraduate Building 2. Bengkulu University LMS at *https://elearning.unib.ac.id/*
d. Implementation date	:	
e. Task SK Number	:	-
f. Assignment Decree Date	:	-
g. Member Type	:	1. Small group for case analysis 2. Individual to make a summary
h. Activity ID	:	Tgs-Pt3 (Meeting Task 3)
i. Activity Steps	:	1. Small Group Formation 2. Case Analysis in Groups 3. Panel Case Presentation by Panel 4. Giving Material Reinforcement by Lecturers 5. Individual Assignment
j. Rating Indicator	:	1. Case analysis a. Accuracy in explaining the concept of sustainable development and its relation to land resource development **2.** Individual Tasks Summarizing Material a. Conformity with the content of the material b. Systematic Compilation c. Language Usage
k. Assessment Criteria and Weights	:	1. Case Analysis Criteria: Exactly explain : Weight 2 Inaccurately explain : Weight 1 Improperly explained : Weight 0 2. Individual Tasks Summarizing Material Criteria: Exactly make a summary : Weight 1 Inaccurate in making a summary : Weight 0.5 Improper summarizing : Weight 0
l. Reference List/Reference List	:	

4. **Fourth Meeting Student Activities**	**:**	
a. Activity Type	**:**	1. Activities : Observing Student Activities (*Case Method*) 1. Cognitive: Individual Tasks
b. Activity Title	**:**	1. Case analysis on the impact of development on land resources and efforts to minimize their negative impacts . 2. Summarize lecture material on the impact of development on land resources and efforts to minimize their negative impacts .
c. Activity Location	**:**	1. Class A, PSDA Unib Postgraduate Building 2. Bengkulu University LMS at *https://elearning.unib.ac.id/*
d. Implementation date	**:**	
e. Task SK Number	**:**	-
f. Assignment Decree Date	**:**	-
g. Member Type	**:**	1. Small group for case analysis 2. Individual to make a summary
h. Activity ID	**:**	Tgs-Pt4 (Meeting Task 4)
i. Activity Steps	**:**	1. Small Group Formation 2. Case Analysis in Groups 3. Panel Case Presentation by Panel 4. Giving Material Reinforcement by Lecturers 5. Individual Assignment
j. Rating Indicator	**:**	1. Case analysis a. Accuracy explained development impact on land resources and efforts to minimize their negative impacts . **2.** Individual Tasks Summarizing Material a. Conformity with the content of the material b. Systematic Compilation c. Language Usage
k. Assessment Criteria and Weights	**:**	1. Case analysis Criteria: Exactly explain : Weight 2 Inaccurately explain : Weight 1 Improperly explained : Weight 0 **2** .Individual Task Summarizing Material Criteria: Exactly make a summary : Weight 1 Inaccurate in making a summary : Weight 0.5 Improper summarizing : Weight 0

2. Reference List/Reference List	:	
5. **Fifth Meeting Student Activities**	:	
a. Activity Type	:	1. Project Results: Project Results Report (*Project Based Learning/ Team-Based Project*) 2. Cognitive: Individual Tasks
b. Activity Title	:	1. n breastfeeding project papers on various aspects of water resources and watersheds . 2. Make a summary of lecture material on various aspects of water resources and watersheds .
c. Activity Location	:	1. Class A, PSDA Unib Postgraduate Building 2. Bengkulu University LMS at *https://elearning.unib.ac.id/*
d. Implementation date	:	
e. Task SK Number	:	-
f. Assignment Decree Date	:	-
g. Member Type	:	1. Small group for project 2. Individual to make a summary
h. Activity ID	:	Tgs-Pt5 (Meeting Task 5)
i. Activity Steps	:	1. Small Group Formation 2. Group Making Project Work Plan 3. Project Implementation by Each Group 4. Project Report Generation 5. Project Presentation per Group by Panel 6. Giving Material Reinforcement by Lecturers 7. Individual Assignment
j. Rating Indicator	:	1. The project produced papers on various aspects of water resources and watersheds . a. Project Report 1. Novelty of Project Content 2. Writing Format 3. Language Usage b. Group Presentation 1. Presentation Material 2. The Power of Argument 3. Language Politeness **2.** Individual Tasks Summarizing Material a. Conformity with the content of the material

		b. Systematic Compilation c. Language Usage
k. Assessment Criteria and Weights	:	1. Project Report 1. Novelty of Project Content Contains Novelty Content from Project Weight: 1.5 Less Containing Novelty Contents of the Project Weight: 1 Does Not Contain Novelty Project Contents Weight: 0 2. Writing Format Writing Format According to LKTI Rules Weight: 1 Writing Format Not In Accordance With LKTI Rules Weight: 0.5 Writing Format Not Appropriate Weight: 0 3. Language Usage 2. Group Presentation 1. Presentation Material Presentation Material Is Worthy Weight: 0.2 Presentation Material Less Worth Weight: 0.1 Presentation Material Inappropriate Weight: 0 2. The Power of Argument Argument is good Weight: 0.2 Poor argument Weight: 0.1 Argument is not good Weight: 0 3. Language Politeness The use of language is polite Weight: 0.1 Use of impolite language Weight: 0.05 Use of disrespectful language Weight: 0 3. Individual Tasks Summarizing Material Criteria: Exactly make a summary : Weight 1 Inaccurate in making a summary : Weight 0.5 Improper summarizing : Weight 0
l. Reference List/Reference List	:	
6. Sixth Meeting Student Activities		
a. Activity Type	:	1. Project Results: Project Results Report (*Project Based Learning/ Team-Based Project*) 2. Cognitive: Individual Tasks

b. Activity Title	:	1. The project compiles a paper on watershed characteristics, Criteria and Watershed Performance Indicators, Critical Level Assessment, and Watershed Management Integrated 2. Summarize lecture material on watershed characteristics, criteria and Watershed Performance Indicators, Critical Level Assessment, and Watershed Management Integrated
c. Activity Location	:	1. Class A, PSDA Unib Postgraduate Building 2. Bengkulu University LMS at *https://elearning.unib.ac.id/*
d. Implementation date	:	
e. Task SK Number	:	-
f. Assignment Decree Date	:	-
g. Member Type	:	1. Small group for project 2. Individual to make a summary
h. Activity ID	:	Tgs-Pt6 (Meeting Task 6)
i. Activity Steps	:	1. Small Group Formation 2. Group Making Project Work Plan 3. Project Implementation by Each Group 4. Project Report Generation 5. Project Presentation per Group by Panel 6. Giving Material Reinforcement by Lecturers 7. Individual Assignment
j. Rating Indicator	:	1. The project produces a paper on watershed characteristics, criteria and Watershed Performance Indicators, Critical Level Assessment, and Watershed Management Integrated a. Project Report 1. Novelty of Project Content 2. Writing Format 3. Language Usage b. Group Presentation 1. Presentation Material 2. The Power of Argument 3. Language Politeness 2. Individual Tasks Summarizing Material a. Conformity with the content of the material b. Systematic Compilation c. Language Usage

k. Assessment Criteria and Weights	:	1. Project Report 1. Novelty of Project Content Contains Novelty Content from Project Weight: 1.5 Less Containing Novelty Contents of the Project Weight: 1 Does Not Contain Novelty Project Contents Weight: 0 2. Writing Format Writing Format According to LKTI Rules Weight: 1 Writing Format Not In Accordance With LKTI Rules Weight: 0.5 Writing Format Not Appropriate Weight: 0 3. Language Usage 2. Group Presentation 1. Presentation Material Presentation Material Is Worthy Weight: 0.2 Presentation Material Less Worth Weight: 0.1 Presentation Material Inappropriate Weight: 0 2. The Power of Argument Argument is good Weight: 0.2 Poor argument Weight: 0.1 Argument is not good Weight: 0 3. Language Politeness The use of language is polite Weight: 0.1 Use of impolite language Weight: 0.05 Use of disrespectful language Weight: 0 3. Individual Tasks Summarizing Material Criteria: Exactly make a summary : Weight 1 Inaccurate in making a summary : Weight 0.5 Improper summarizing : Weight 0
l. Reference List/Reference List	:	
7. **Seventh Meeting Student Activities**	:	
a. Activity Type	:	1.Activities : Observing Student Activities (*Case Method*) 2.Cognitive: Individual Tasks
b. Activity Title	:	1. Case analysis explaining the Geographic Information System Approach in Watershed Management Planning and Development 2. Summarizing lecture material on Geographic Information Systems Approach in Planning, and Development of Watershed Management

c. Activity Location	:	1. Class A, PSDA Unib Postgraduate Building 2. Bengkulu University LMS at *https://elearning.unib.ac.id/*
d. Implementation date	:	
e. Task SK Number	:	-
f. Assignment Decree Date	:	-
g. Member Type	:	1. Small group for case analysis 2. Individual to make a summary
h. Activity ID	:	Tgs-Pt7 (Meeting Task 7)
i. Activity Steps	:	1. Small Group Formation 2. Case Analysis in Groups 3. Panel Case Presentation by Panel 4. Giving Material Reinforcement by Lecturers 5. Individual Assignment
j. Rating Indicator	:	1. Case analysis a. Accuracy in explaining the Geographic Information System Approach in Planning, and Development of Watershed Management **2.** Individual Tasks Summarizing Material a. Conformity with the content of the material b. Systematic Compilation c. Language Usage
k. Assessment Criteria and Weights	:	1. Case Analysis Criteria: Exactly explain : Weight 2 Inaccurately explain : Weight 1 Improperly explained : Weight 0 2. Individual Tasks Summarizing Material Criteria: Exactly make a summary : Weight 1 Inaccurate in making a summary : Weight 0.5 Improper summarizing : Weight 0
l. Reference List/Reference List	:	
8. etc.	:	

Portfolio of Student CPL Achievement Assessment and Evaluation											
Sunday	:	CPL	CPMK (CLO)	Sub-CPMK (LLO)	Indicator	Question Form	Question Weight %	Weight (%) Sub-CPMK	Mhs value (0-100)	(Mhs Grade)x (Weight %)	Achievement of CPL on the Constitutional Court (%)
1	:	…	…	…	…	…	…	…	…	…	…
2	:	…	…	…	…	…	…	…	…	…	…
3	:	…	…	…	…	…	…	…	…	…	…
etc.	:	…	…	…	…	…	…	…	…	…	…
8	:	Mid-Semester Exam (UTS)	…	…	…	…	…	…	…	…	…
9	:	…	…	…	…	…	…	…	…	…	…
10	:	…	…	…	…	…	…	…	…	…	…
etc.	:	…	…	…	…	…	…	…	…	…	…
16	:	Final Semester Exam (UAS)	…	…	…	…	…	…	…	…	…
Total Weight	:						100	100			
Student Final Score ((Student Score)x(Weight%))	:								…		

Assessment of CPL Achievement in Courses			
No.	CPL in Courses	Achievement Value (0-100)	Achievement of CPL on MK
1.	CPL1: Mastering the concepts and principles of ecological processes, ecosystems, and the dynamics of natural resources, and the environment.	…	…
2.	CPL 2: Mastering the concepts and principles of interaction of biophysical, social, social, economic, cultural	…	…

	interactions, as well as harmony, and justice in the management of natural resources and the environment.		
3.	CPL3: Mastering the concept of the relationship between natural resource management and the environment in sustainable development.	…	…
4.	CPL4: Able to master, *develop* logical, critical, systematic, and creative thinking through scientific research in the field of natural resources and environmental management by paying attention to and applying human values, compiling scientific conceptions and study results based on scientific principles, procedures, and ethics.	…	…
5.	CPL5: Able to compile ideas, thoughts, and scientific arguments responsibly and based on academic ethics, and communicate them through the media to the academic community and the wider community.		
6.	CPL6: *Able to develop* and identify the scientific field that is the object of research and position it into a research map developed through an interdisciplinary, multidisciplinary, or trans-disciplinary approach.		
7.	CPL7: Able to master developing research methods and able to conduct research through a multidisciplinary approach, and data presentation, evaluation, and comprehensive solutions related to conservation, natural resource management, especially related to watershed management and coastal areas.		
8.	CPL8: Able to master, develop and prepare plans for management, utilization, monitoring, policies related to natural resources and the environment		
	Total CPL Achievements	…	…

Student Success Qualification Based on
Bengkulu University Chancellor Regulation Number 25 of 2020 Article 44

No.	Value Range	Letter	Weight
1.	85 – 100	A	4

2.	80 – 84	A-	3.75
3.	75 – 79	B+	3.5
4.	70 – 74	B	3
5.	65 – 69	B-	2.75
6.	60 – 64	C+	2.5
7.	55 – 59	C	2
8.	45 – 54	D	1
9.	0-44	E	0