

2. Research 1

Module designation	Research 1
Module level, if applicable	-
Code, if applicable	PCIL 9135
Subtitle, if applicable	-
Courses, if applicable	-
Semester(s) in which the module is taught	1 st Semester
Person responsible for the module	Head of Study Program
Lecturer	Principal Supervisor and Co-Supervisor
Language	Indonesian and English
Relation to curriculum	Compulsory
Type of teaching, contact hours	<ul style="list-style-type: none"> • Discussion with Principal Supervisor (32 hours, 2 weekly for 16 weeks) • Discussion with Co-Supervisor (32 hours, 2 weekly for 16 weeks) • Independent work on reading materials and literature review (128 hours, 8 hours weekly for 16 weeks) • Developing research proposal (128 hours, 8 hours weekly for 16 weeks) • Preparing progress report (16 hours, 1 hour weekly for 16 weeks) • Preparing presentation materials (16 hours, 1 hour weekly for 16 weeks) • Preparing manuscript and conference (20.8 hours, 1.3 hours weekly for 16 weeks) <p>Total hours in 1 semester = 373 hours</p>
Student Workload for One ECTS	<ul style="list-style-type: none"> • Face-to-face discussion with Principal Supervisor (1.78 hours) • Face-to-face discussion with Co-Supervisor (1.78 hours) • Independent work (reading books, materials, papers, literature review, etc.: 7.11 hours) • Developing proposal draft (introduction, research method, research framework, data analysis techniques, etc.: 7.11 hours) • Preparing presentation materials for discussion with supervisors (1.15 hours) • Initial stage to prepare manuscript and conference (1.15 hours) • Total workload for one ECTS = 20.72 hours

Laboratory Work	Students taking this course have the chance to utilize the laboratory within the Diponegoro University according to each student's research needs
Credit points	3 SKS which equivalent to 18 ECTS
Requirements according to the examination regulations	Participate in monitoring and evaluating progress of the preparation of the dissertation organized by the Study Program; Collecting of portfolio of progress report for dissertation.
Recommended prerequisites	Existing competencies in literature review and scientific writing.
Module objectives/intended learning outcomes	<ul style="list-style-type: none"> • Able to compile research plan. • Able to compile proposal dissertation.
Content	<ul style="list-style-type: none"> • Introduction to Research Course I • Review of Research Problems, Research Objectives • State of the Art Review and Research Hypotheses • Operational Definitions, Indicators, and Research Variables • Theoretical Framework and Research Concept Framework • Research Fishbone Diagram • Presentation of the Progress Report of the Dissertation Research Proposal • Students collect portfolios and the development of the preparation of the dissertation
Study and examination requirements and forms of examination	<ul style="list-style-type: none"> • Mid-semester progress report assessment, final progress report assessment. • The final grade in the module is composed of 80% performance on portfolio of progress reports, 20% participation in monitoring and evaluating. Students must submit a portfolio of progress reports and a draft dissertation according to the targeted stages as a minimum achievement to pass.
Media employed	Power point
Reading materials	<p>Kasperson, J. X., Kasperson, R. E., Turner, B. L., Hsieh, W., & Schiller, A. (2022). Vulnerability to global environmental change. In <i>The social contours of risk</i> (pp. 245-285). Routledge.</p> <p>Louv, R., & Fitzpatrick, J. W. (2012). <i>Citizen science: Public participation in environmental research</i>. Cornell University Press.</p> <p>Pohl, C. (2005). Transdisciplinary collaboration in environmental research. <i>Futures</i>, 37(10), 1159-1178.</p> <p>Svarstad, H., Petersen, L. K., Rothman, D., Siepel, H., & Wätzold, F. (2008). Discursive biases of the environmental</p>

	research framework DPSIR. Land use policy, 25(1), 116-125.
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