

PL4101 Research Methods

Module designation	Research Methods
Semester(s) in which the module is taught	7th semester
Person responsible for the module	Ir. Sugiyantoro, MIP, PhD
Language	Bahasa Indonesia
Relation to curriculum	Compulsory
Teaching methods	Lecture, lesson
Workload (incl. contact hours, self-study hours)	(Estimated) Total workload: 96 hours Contact hours (please specify whether lecture, exercise, laboratory session, etc.): Lecture: 28 hours Private study including examination preparation, specified in hours ¹ : Structured activities: 32 hours Independent study: 32 hours Exam: 4 hours
Credit points	2 CU
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	<ol style="list-style-type: none">1. Understands the issues or problems in urban and regional planning that need academic research2. Is able to describe the problem statement, research goal and objectives, research questions, and the expected outputs of the research in a coherent and systematic manner.3. Is able to explain appropriate and targeted research method using quantitative or qualitative approaches to carry out academic research and contribute to solving problems in urban and regional planning.4. Is able to make a research proposal to deepen the comprehension on urban and regional planning problems as well as to solve simple problems in urban and regional planning, by applying a rigorous academic standard and follow the standard research ethic.

¹ When calculating contact time, each contact hour is counted as a full hour because the organisation of the schedule, moving from room to room, and individual questions to lecturers after the class, all mean that about 60 minutes should be counted.

Content	<p>Conducting research in academic world is an inherent activity in higher education. It is also an instrument to develop scientific capability. In the field of urban and regional planning, inquiry is carried out through research. To reveal and find things based on evidence, to analyse, to plan, and even to take actions. In this course, students are expected to demonstrate the ability to search systematically, scientifically, and coherently. It will be achieved through creating a research proposal which requires specific abilities, especially in order to understand the intervention and the characteristics of a certain research problem. This course focuses on carrying such process of understanding interventions and characteristics of urban and regional planning.</p>
Examination forms	Essay, Projects
Study and examination requirements	<ol style="list-style-type: none"> 1. Mid-semester exam 15% 2. Final semester exam 20% 3. Individual Task 20% 4. Proposal Presentation 10% 5. Presentation Final 35%

Reading list	<ol style="list-style-type: none"> 5. Babbie, Earl (2007) <i>The Practice of Social Research</i> (Eleventh Edition), Thomson Wadsworth, USA [300.72 BAB p] 6. Cresswell, J.W. (2009) <i>Research Design: Qualitative, Quantitative, and Mixed Methods Approaches</i>, Sage Publications, Inc., California, USA. [300.72 CRE r] 7. Yin, Robert K. (2009) <i>Case Study Research: Design and Methods</i> (Fourth Edition), Sage, Washington D.C. [300.722 YIN c] 8. Bechhofer, F. & L. Paterson., <i>Principles of Research Design in the Social Sciences</i>. Routledge. 2000. [300.72 BEC p] 9. Booth, W. C. et al., <i>The Craft of Research</i>. U of Chicago Press. 1995. Pustaka utama [001.42 BOO c] 10. Campbell, A. and S. Groundwater-Smith., <i>An Ethical Approach to Practitioner Research</i>. Routledge. 2007. [R 001.42 CAM e] 11. Cooper, H., <i>Synthesizing Research: A Guide for Literature Review</i>. Sage. 1998. [300.72 COO] 12. Meier, Kenneth J., Brudney, Jeffrey L., and Bohte, John (2010) <i>Applied Statistics: for Public and Nonprofit Administration</i>, Wadsworth Cengage Learning, Boston, USA. 13. Neuman, W. L. 2015. <i>Social Research Methods: Qualitative & Quantitative Approaches</i>. Allyn & Bacon. [300.72 NEU s] 14. Miles, Mathew B., A. Michael Huberman (2014) <i>Qualitative Data Analysis</i>, Sage, Washington D.C. [001.42 MIL q] 15. Sirkin, R. Mark. (2006). <i>Statistics for the Social Science</i>. Thousand Oaks: Sage. [519.5 SIR] 16. Kirsner L.G. and S.R. Mandell (2008) <i>The Wadsworth Handbook</i> (Eight Edition), Thomson Wadsworth, Boston, USA. 17. Swales, J.M. and C.B. Feak (2012) <i>Academic Writing for Graduate Students</i>, the University of Michigan Press, USA. [428 SWA] 18. Winkler, A.C. and J.R. Metherell (2012) <i>Writing the Research Paper: A Handbook</i>, Wadsworth, Boston, USA.
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