

PL3109 Urban and Infrastructure Planning Studio

Module designation	Urban and Infrastructure Planning Studio
Semester(s) in which the module is taught	5 th Semester (third year of undergraduate program)
Person responsible for the module	Dr. Ir. Denny Zulkaidi, MUP. Ir. Sugiyantoro, MIP., Ph.D. Dr. Ir. Iwan Kustiwan, M.T. Dr. Niken Prilandita, S.T, M.Sc. Dr. Ir. Binsar Parasian Naipospos, M.SP. Dr. Miming Miharja, S.T, M.Sc.Eng. Prof. Dr. Ir. Heru Purboyo Hidayat Putro, D.E.A. Ninik Suhartini, S.T., MURP., Ph.D.
Language	Indonesian
Relation to curriculum	Compulsory
Teaching methods	Project
Workload (incl. contact hours, self-study hours)	(Estimated) Total workload Contact hours: • Lecture (Face to face teaching) • Tutorial (Structured activities) • Practical class (Structured activities) • Exam: 4 hours Private study including examination preparation, specified in hours: • Independent study (Practical class)
Credit points	5 CU/8.83 ECTS
Required and recommended prerequisites for joining the module	1. PL1202 Presentation and Communication Techniques 2. AR1101 The Fundamentals of Planning and Design 3. PL2105 Planning Methods I 4. PL2202 Planning Methods II 5. PL2103 Introduction to Spatial Data 6. PL2209 Planning Process Studio 7. PL2104 Population Analysis in Planning 8. GL2021 Introduction to Environmental Geology for Planning 9. PL2101 Environment and Natural Resources 10. PL2102 Spatial Pattern and Structures 11. PL2201 Land Use Planning 12. PL2211 Housing System 13. PL3131 Urban and Regional Infrastructure Planning 14. PL3111 Urban Planning

Module objectives/intended learning outcomes	Students are able to: 1. Understands planning area, planning issues and planning problems of given planning project 2. Field survey preparation, including identification of data needs (e.g. primary and secondary data), survey instruments, logistics, permits, etc 3. Field survey and data compilation 4. Reviewing and evaluation of the existing spatial plan to recent legislations and developments 5. Ability to identify the potential and problems of the case study, as well as the opportunities and challenges for the case study's future development. 6. Capability to carry out analysis of spatial and development issues of the case study, i.e. social, economic, and physical aspects of the case study 7. Formulation and evaluation of urban spatial plan/detail plan, including planning goals, policies, and strategy, urban structure, land use, strategic area, program and land use control 8. Mastering in planning process, planning procedure, techniques of discussion, presentation, and report making. 9. Students understand how to carry out a planning process from the very beginning of problem formulation, continued with field survey and data collection, analysis, and urban plan formulation.
Content	Urban Planning Studio is intended as a place to apply all knowledge related to urban planning by recognizing, analyzing and formulating the concept of urban planning using a real data/case. Scope of this subject comprises of field survey, facts and analysis, and plan formulation. Composition of the facts and analysis are divided into several aspects such as population, physical environment, urban structure, land use, urban economic, socio-cultural, infrastructure, etc. while composition of plan carried out based on prevailing coded practice coupled with the theories and concepts of urban planning that has been learned in the previous semester.
Examination forms	Essay, oral exam, and peer assessment
Study and examination requirements	Student activity (20%) Mid exam (20%) Final exam (20%) Assignments (40%)

Reading list	1. Anderson, Lantz T. "Guidelines for Preparing Urban Plans" American Planning Association Chicago, 1995.[R 711.4 AND] 2. Bleitmann, Josef. "Sustaining Cities: Environmental Planning and Management in Urban Design" McGraw-Hill, 1999. [R 711.4 LEI s] 3. Branch, Melville C. "Comprehensive City Planning: Introduction and Explanation" The Planners Press, 1985. [307.120 BRA] 4. Devas, Nick; Carole Rakodi, eds. "Managing Fast Growing Cities: New Approach to Urban Planning and Management" Longman ST, 1993. [R 711.406 DEV m] 5. Jenks, Mike. "Compact Cities: Sustainable Urban Forms for Developing Countries" Routledge, 2000. [711.4 JEN c] 6. Kelly, Eric Damian; Barbara Becker. "Community Planning: An Intorduction to the Comprehesive Plan" Island Press, 2000. [307.121 60973 KEL] 7. Permen PU No.20 Tahun 2007 Tentang Pedoman Teknik Analisis Aspek Fisik Lingkungan, Ekonomi Serta Sosial Budaya Dalam Penyusunan Rencana Tata Ruang 8. Permen PU No.20 Tahun 2011 tentang Penyusunan Rencana Detail Tata Ruang 9. Permen ATR No. 11 Tahun 2021 Tata Cara Penyusunan, Peninjauan Kembali, Revisi, dan Penerbitan Persetujuan Substansi Rencana Tata Ruang Wilayah Provinsi, Kabupaten, Kota, dan Rencana Detail Tata Ruang 10. Permen ATR no.14 tahun 2021 tentang Pedoman Penyusunan Basis Data dan Penyajian Peta Rencana Tata Ruang Wilayah Provinsi, Kabupaten, Dan Kota, serta Peta Rencana Detail Tata Ruang Kabupaten/Kota 11. Peraturan Menteri Agraria dan Tata Ruang/ Kepala Badan Pertanahan Nasional Republik Indonesia Nomor 10 Tahun 2021 tentang Pedoman Penyusunan, Peninjauan Kembali, dan Revisi Rencana Tata Ruang Pulau/Kepulauan, Rencana Tata Ruang Kawasan Strategis Nasional, dan Rencana Detail Tata Ruang Kawasan Perbatasan Negara 12. PP No.21 tahun 2021 tentang Penyelenggaraan Tata Ruang 13. Pontoh, Nia Kurniasih dan Iwan Kustiwan. "Pengantar Perencanaan Kota" Penerbit ITB Bandung, 2009. [711.4 PON] 14. Toner, William et.al. "Planning Made Easy: A Manual for Planning Commisioners, Members of Zoning Boards Appeals, and Trainers" American Planning Association Chicago, 1994.[711.02 TON p] 15. Undang- Undang Nomor 26 Tahun 2007 tentang Penataan Ruang 16. Undang-undang (UU) Nomor 6 Tahun 2023 tentang Penetapan Peraturan Pemerintah Pengganti Undang-Undang Nomor 2 Tahun 2022 tentang Cipta Kerja menjadi Undang-Undang
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PL3114 Introduction to Housing System

Module designation	Introduction to Housing System
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