PL2132 Urban and Regional Infrastructure	
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Module designation	Urban and Regional Infrastructure
Semester(s) in which the module is	3 rd Semester (second year of undergraduate program)
taught	
Person responsible for the module	Dr. Ir. Binsar Parasian Naipospos, M.SP.
Language	Indonesian
Relation to curriculum	Compulsory course for the Undergraduate Program in Urban and Regional Planning
Teaching methods	1. Lecture, 2. Case study, 3. Problem-based learning.
Workload (incl. contact hours, self-	(Estimated) Total workload: around 9 hours per week x 16 weeks = 144 hours
study hours)	 Face to face teaching: 42 hours (lecture)
	 Structured activities: 24 hours (lecture) and 24 hours
	 Independent study: 24 hours (lecture) and 24 hours
	Exam: 6 hours
Credit points	3 CU/5 ECTS
Required and recommended	Basic course
prerequisites for joining the module	
Module objectives/intended learning	 Ability to classify the elements of each type of regional and urban
outcomes	infrastructure and transportation system
	2. Ability to demonstrate the ability to know the components and principles of
	demand and supply for regional and urban transportation and
	infrastructure.
Content	Introduction to Urban and Regional Infrastructure course is aimed to give an understanding of elements in regional and urban infrastructure and transportation system to the students. The regional and urban infrastructure consists of water supply, wastewater, stormwater, solid waste, energy and electricity, telecommunication, transportation, irrigation, and public and social facilities. In this course, students learn demand aspect of infrastructure and transportation, the physical component of infrastructure or supply aspect, as well as social, economic, financial, and environmental issues in the infrastructure system.
Examination forms	Midterm Exam (40%) Final Exam (40%) Assignment(s) (20%)
Study and examination requirements	
Reading list	1. Michael R. Penn and Philip J.Parker, Introduction to Infrastructure: An
	Introduction to Civil and Environmental Engineering, , , 2011
	2. George Rainer, Understanding Infrastructure: A Guide for Architects
	and Planners, , Wiley & Sons, 1990