

Course Information			
Year	2021	School	School of Creative Science and Engineering
Course Title	Fundamentals of Urban Studies and Planning B IPSE Course		
Instructor	MORIMOTO, Akinori		
Term/Day/Period	spring semester Tues.2		
Category	Elective Compulsory Subjects	Eligible Year	2nd year and above
Classroom	54-204	Campus	Nishi-Waseda (Former: Okubo)
Course Key	27GD032011	Course Class Code	01
Main Language	English		
Class Modality Categories	Hybrid (In-person/Online)		
Course Code	CSTX23ZL		
First Academic disciplines	Civil Engineering		
Second Academic disciplines	Civil Engineering		
Third Academic disciplines	Civil Engineering Project/Traffic Engineering		
Level	Intermediate, developmental and applicative	Types of lesson	Lecture
Credits			2

Syllabus Information		Latest Update : 2021/03/09 13:01:53
Course Outline	<p>Note: The eligible year for EBSE September enrollees is different from the above. Please make sure to check "Students HANDBOOK".</p> <p>More than half of the world's population lives in urban areas. By 2050 urban population is expected to increase to 6.6 billion due to rapid urban growth in Asia and Africa. The main issue of urban planning in growing cities is to accommodate rapid growth in a sustainable manner through the integration of land use, transportation and environmental planning. On the other hand, in cities with stable or declining population, the issue is to redesign resilient community, city and region. In this course, theories and practices of urban planning in both developed and developing countries will be introduced.</p> <p>The content of this class is consistent with the diploma policy of "proposing concrete solutions to various issues facing society from the perspective of science and technology," and aims to help students acquire the "creativity," "ability to think," "analytical skills," and "developmental skills" that are important for engineers and researchers, as stated in the curriculum policy.</p>	
Objectives	The goal of this course is to understand the fundamental theories and practices of urban planning in both developed and developing countries.	
Course Schedule	<p>01: Introduction; Urban issues around the World 02: Urban Planning Theories 1 (Land Use and Urban Transportation) 03: Urban Planning Theories 2 (Sustainable City Form) 04: Urban Planning Theories 3 (Environmental, Economic and Social Sustainability) 05: Urban Planning Theories 4 (Urban Planning) 06: Urban Planning Theories 5 (Transportation Planning) 07: Regional Planning Practices 1 (Smart City) 08: Regional Planning Practices 2 (Natural Disaster Prevention) 09: City Planning Practices 1 (Compact City) 10: City Planning Practices 2 (Community Based Planning) 11: Transportation Planning Practices 1 (Traffic congestion) 12: Transportation Planning Practices 2 (Traffic safety)</p> <p><Additional coursework in other time > 13: Presentations and Discussion (Selection of several field and keywords) 14: Discussion and Modification 15: Report and Evaluation</p>	
Reference	References will be introduced in class.	
Evaluation	Report 50%, Presentations and discussions (Attendance to the lectures) 50%	
Note / URL	The lectures will be given face-to-face, but depending on the status of the COVID-19, real-time classes using Zoom and on-demand classes for students who could not attend the lectures will be used together in some cases. In the case of students who are unable to enter Japan due to COVID-19 and therefore have to attend lectures overseas, I will consider using online courses as well.	