

4. 建築・都市環境工学系 Architecture and Civil Engineering Field			ACE-S1
授業科目名 Course Title	Introduction to Architectural planning, design and Environmental Engineering	単位数 Credit	2
担当教員 Instructor	HARADA Yoko, NISHIMOTO Masato, MOMOI Yoshihisa, YAMADA Takeharu, BAE Minjung	開講学期 Semester	Spring
キーワード Keywords	Architectural planning, Architectural design, Environmental engineering	曜日/時限	Thursday, fourth period

授業概要 Course summary	
This course provides an introduction to Architectural planning, design and Environmental Engineering. The introduction includes (1) human vision to understand lighting design for building interior and exterior (three classes), (2) facility planning (two classes), (3) residential planning, living environment, and active use of vacant land (three classes), (4) how to design a house and child care facilities (two classes), (5) thermal comfort, natural ventilation, and energy in building environment (three classes), and (6) Japanese traditional architecture design including wooden pagodas (two classes).	
到達目標 Course goal	
After taking this course as an introduction to architecture, students will obtain basic knowledge on Architectural planning, design and Environmental Engineering.	
授業内容 Course description	
01: Class guidance, Maturing city by active use of vacant land, Yoko Harada 02: Inspection of urban and landscape design in Fukui city, Yoko Harada 03: Presentation and discussion, Yoko Harada 04: Introduction of medical and welfare facilities in Japan, Minjung Bae 05: About universal design and barrier-free design, Minjung Bae 06: Practical training on barrier-free environment, Minjung Bae 07: Same day design of a house, Masato Nishimoto 08: Architectural planning of child care facility, Masato Nishimoto 09: Masato Nishimoto 10: Thermal Comfort, Yoshihisa Momoi 11: Natural Ventilation, Yoshihisa Momoi 12: Energy and Building Environment, Yoshihisa Momoi 13: Design of the Japanese Traditional Architecture, YAMADA Takeharu 14: Wooden Pagoda, YAMADA Takeharu 15: Shrine and Japanese Castle, YAMADA Takeharu	
準備学習（予習・復習）等 Preparation / Review	
At least one-hour reviewing is necessary for each of the classes.	
授業形式 Class style	
Lectures will be mainly provided. However, students will occasionally experience quizzes and design exercises.	
成績評価の方法・基準 Method of evaluation	
Quizzes, design exercises, and reports: 100% If the number of absences counts 5 or more, the credit will not be given.	
教科書・参考書等 Textbook and material	
Handouts including power point presentations will be provided to students at each of the classes.	
受講要件・予備知識 Prerequisite	
Off-line class or on-demand class	
その他の注意事項 Note	
Bring a USB flash memory and a computer when needed.	

