* Course Keywords	Construction Management & Project Engineering	
* 1. Purpose of Course	Korean	건축관리공학론
	English	• Provide systemic knowledge in (1) practices and issues in construction safety management; (2) theories and concepts of accident prevention; and (3) human factors and ergonomics in construction safety. • Demonstrate the recent advancement of data-driven techniques and technologies in safety management • Motivate and justify , on scientific grounds, the choice of research design and research methodology in relation to a given research question in the area of construction safety
* 2. Materials and Reference	• Teaching Materials: Instructor's lecture notes and selected academic articles. • Reference: ✓ *Ian Glendon, Human Safety and Risk Management: A Psychological Perspective, 3rd Ed., CRC Press* ✓ *Goetsch, D.L., Construction Safety & Health, 2nd Ed., Pearson Education, Inc.*	

*** 3. Evaluation Method**

Evaluation: Grade-on-a-curve Evaluation

Grading Type: A~F

Evaluation Items	Attendance	Assignments	Case Study Presentations	Term Project		Total
Rate	10	20	30	40		100%
Note			3 times during the semester	• 1 proposal presentation • 1 final presentation		

Attendance Policy :	Students who are absent for over 1/3 of the class will receive a grade of 'F' or 'U' for the course(Exceptions can be made when the cause of absence is deemed unavoidable by the course instructor).
Other:	Cheating regulation, Plan for substitute test, Availability of feedback for assignments or tests, etc.

*** 4. Quota Exceeding Course Registration**

Capacity: **Up to 20 Students**

5. Guideline for Students

Korean	선이수 교과목 등 수강 시 필요 사항 면담시간 및 장소 :
English	Office Hours and Place: Wed 10:00 ~ 11:30 am, 404, Building 39

*** 6. Lecture Plan**

Teaching Method Lecture based class, Project class

Korean	
English	The course introduces current practices and issues in construction safety management. The course also introduces theories and concepts of accident prevention, and human factors and ergonomics in construction safety. In addition, data-driven methodologies to tackle research problems in construction safety are discussed in a seminar format.

Class Schedule :

Week	Topics and Contents	Lecture Method	Teaching Material	Assignments
Week 1	Course Introduction Introduction to Construction Safety	Lecture	Class Notes	

	Week 2	Costs of Accidents; Accident Causation Theories	Lecture	Class Notes	Term Project Orientation
	Week 3	"Why it happens? How it happens?"	Lecture	Class Notes	Case Study Presentation (1)
	Week 4	"How can it be prevented?" Safety Management in Construction	Lecture	Class Notes	
	Week 5	"Aftermath of an accident" Workers' Compensation system	Lecture	Class Notes	Case Study Presentation (2)
	Week 6	Emerging Technologies in Construction Safety and Health (1)	Lecture	Class Notes	
	Week 7	Emerging Technologies in Construction Safety and Health (2)	Lecture	Class Notes	Case Study Presentation (3)
	Week 8	Risk perception and unsafe behaviors: Theories, Interventions, and Analyses	Lecture + Lab	Class Notes	
	Week 9	Physiological Signal Analytics in Construction & Built Environment	Lecture + Lab	Class Notes	
	Week 10	Monitoring individual workers' physical responses to environmental hazards	Lecture + Lab	Class Notes	
	Week 11	Term Project Proposal Presentation			
	Week 12	Research Methods in Safety and Human Factor	Lecture	Class Notes	
	Week 13	Experiments for Term Projects Data Collection	Lab	Class Notes	
	Week 14	Invited Speaker Presentation	Lecture (TBD)	Class Notes	
	Week 15	**Term Project Final Presentation**			
	About Lecture Method				
7. Support Services for Students with Disabilities ※ You can	For Lectures	○ Visual Impairment: Make textbooks(digital textbook, braille textbook, enlarged textbook etc.), Allow note takers ○ Physical Disability: Make textbooks(digital textbook), Allow note takers and assistants ○ Hearing Impairment: Allow note takers and translators, Allow lecture recording ○ Health Impairment: Excuse absence due to health problems, Allow note takers			

modify these default contents.		○ Learning Disability: Allow note takers ○ Intellectual Disability / Autism Spectrum Disorder: Allow note takers and mentors
	For Assignments & Evaluations	○ Visual Impairment / Physical Disability / Hearing Impairment / Health Impairment / Learning Disability: Extend assignment deadlines, Offer alternate assignment submission and response method, Extend testing period, Offer alternate testing method, Offer different testing room ○ Intellectual Disability / Autism Spectrum Disorder: Offer individualized assignments and alternative evaluations
	Other	Students who take this course can get appropriate level of support service including the support listed above depending on the students' individual characteristics and needs through consultation with professors and the Support Center for Students with Disabilities. If you have any questions concerning support service for students with disabilities you can contact Professor Changbum Ryan Ahn (02-880-7064) or Support Center for Students with Disabilities (02-880-8787).
8. Guidelines for COVID-19 confirmed cases during face-to-face class	**class**	**Switch to non-face-to-face classes when there are confirmed cases.** **※ According to the guidance of SNU Health Service Center/administrative office, if necessary, the test will be conducted, and the class will be held non-face-to-face for 2 weeks** **※ Even if a confirmed case occurs in a classroom or building where face-to-face classes are being held, the classes will be switched to non-face-to-face during the disinfection period according to the guidance of the administrative office.**
	Students	Confirmed cases, suspected cases, and patients under investigation must **act in accordance with the guidelines of the Korea Disease Control and Prevention Agency** and also **submit 「Application for Recognition of Attendance」 to the faculty** to receive recognition of attendance during self-quarantine period ※ Student must attend non-face-to-face classes if possible

◇ Fields with * : required fields

◇ If you don't release the syllabus, you may have some disadvantages.