Course No.	457.656	Lecture No.	457.656	Course Title	Construction Risk Management	Credit	3.0
Lecture	Wednes	day 3:30pm -	- 6:30pm (3	5–432)			

	Name: Seokho Chi	(Post: Professor)	
Representative Instructor	E-mail: shchi@snu.ac.kr		Phone No.: 02-880-7344
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Purpose of CourseDecision making is central to every management and technical functions. Ris are common components to most decision context. This course examines th techniques to aid in representing and analyzing decision situation and risky or addition to teaching you skills and techniques, the instructor will introduce y concepts regarding decision and risk analysis. During this course, we will stur basic techniques in order for students to identify, quantifying, and managing to present the ideas and theories supporting each technique. Your role is to discovering the strength and weakness of each technique by using them on texts are the main resource for you and I will not teach everything about how risk/decision analysis. The application of these techniques requires that you what give rise to risks.	sk and uncertainty te various conditions. In you new ideas and dy four or five g risks. My role is learn techniques, problems. The w to do think hard about
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	•	Textbook - Lecture note and handout
Materials and Reference	•	 References Clemen, R. T., and Reilly, T. "Making Hard Decisions with Decision Tools Suite," 2005. PMI "Project and Program Risk Management," 1992. Smith, N. "Managing Risk in Construction Projects," 2006. Flanagan, R., and Norman, G. "Risk Management and Construction," 1993.

Evaluation	Attendance	Personal Assignments	Midterm Exam	Group Assignments	Total
Method	10%	20%	35%	35%	100%

Note	 This syllabus is subject to change According to the evaluation criteria of Seoul National University headquarters

Related to	•	If any misconduct is detected, the evaluation will be treated as 0 points
Cheating	•	According to the punishment criteria of Seoul National University headquarters

	Week	Lecture Contents	Key Point
	Week 1	Introduction to Risk Management	
	Week 2	Structuring Decisions Modeling the Structure of the Problem	
	Week 3	Decision Making Rules	Submit personal assignment(1)
	Week 4	Group Presentation: Paper Review #1	Submit personal assignment(2) Present group assignment(1)
	Week 5	Project Risk Management	
	Week 6	Group Presentation: Risk Identification Modeling Uncertainty I: Probability Theory, Measurement	Present group assignment(2) Submit report
	Week 7	Modeling Uncertainty II: Data Fitting, Subjective Assessment	Submit personal assignment(3)
Lecture Plan	Week 8	Mid-term Exam	
	Week 9	Group Presentation: Paper Review #2 Multi-Criteria Decision Making	Present group assignment(3)
	Week 10	Children's Day	
	Week 11	Mid-Term Group Project Presentation	Project midterm announcement Submit report
	Week 12	Buddha's Birthday	
	Week 13	Modeling Uncertainty III: Simulation	
	Week 14	Risk Prediction, Communication, and Visualization Limitations and Future Perspectives	
	Week 15	Final Group Project Presentation	Project final announcement Submit report