

Course #	457.308	Lecture #	457.308	Title	건설시공학 (Construction Method and Equipment)	Credit	3.0
Lecture	Tuesday, Thursday 4:00pm – 5:15pm (35–317)						

Lecturer	Name: Seokho Chi (Professor)	
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Course Objectives	<ul style="list-style-type: none"> • Introduction and understanding of construction projects • Understanding construction methods and construction machines • Developing a balanced understanding of the construction industry and the theory / practice • Cultivate background knowledge as a construction expert
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Textbook and References	<ul style="list-style-type: none"> • Textbook <ul style="list-style-type: none"> - Lecture slides and handouts - 살아있는 토목시공학, 이승언 저, 제 2 판, 구미서관 • References <ul style="list-style-type: none"> - 건설공사를 위한 계약 및 적산, 박홍태 저, 구미서관 - Construction Planning, Equipment, and Methods, Peurifoy & Schexnayder, 6th Ed, McGraw-Hill
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Assessment	Attendance	Individual A.	Group A.	Mid-Exam	Final Exam	TOTAL
	10%	20%	25%	20%	25%	100%

Note	<ul style="list-style-type: none"> • Still flexible lecture contents • Follow SNU's assessment standards
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Cheating and Plagiarism	<ul style="list-style-type: none"> • 0% for the given assessment item without any excuse • Penalty by SNU's regulations
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Detailed Lecture Schedule	Week (Date)	Lecture Contents	Others
	Week 1 (9.1 / 9.6)	Course Introduction Introduction to Project Management (1)	
	Week 2 (9.8 / 9.13)	Introduction to Project Management (2) Construction Estimation (1)	
	Week 3 (9.15 / 9.20)	Construction Estimation (2)	Chuseok
	Week 4 (9.22 / 9.27)	Practice Sessions - Construction Estimation (1) Practice Sessions - Construction Estimation (2)	223
	Week 5 (9.29 / 10.4)	Earthmoving and Equipment (1) Earthmoving and Equipment (2)	
	Week 6 (10.6 / 10.11)	Earthmoving and Equipment (3) Estimate construction machine construction capacity	
	Week 7 (10.13 / 10.18)	Practice sessions - Earthmoving and Equipment Simulation (1) Practice sessions - Earthmoving and Equipment Simulation (2)	223
	Week 8 (10.20 / 10.25)	Mid-Semester Examination Group Presentation Group Project Interim Report Due	
	Week 9 (10.27 / 11.1)	Special Lecture (1) Foundation Engineer (1)	
	Week 10 (11.3 / 11.8)	Foundation Engineer (2) Concrete (1)	
	Week 11 (11.10 / 11.15)	Concrete (2) Bridge (1)	
	Week 12 (11.17 / 11.22)	Bridge (2) Tunnel (1)	
	Week 13 (11.24 / 11.29)	Tunnel (2) Special Lecture (2)	
	Week 14 (12.1 / 12.6)	Safety Management	
	Week 15 (12.8 / 12.13)	Final Group Presentation	Final Group Presentation Group Project Final Report Due

