

# 교과목 일람표

Classification	Course No.	Computer Code	Course Name	Lecture; Lab.; Credit (Assignment)	Semester	Note
Elective Courses	CE501	37.501	Advanced Mechanics of Materials	3:0:3(5)	Spring	◎
	CE502	37.502	Advanced Soil Mechanics	3:1:3(4)	Spring	◎
	CE504	37.504	Advanced Environmental Chemistry	3:1:3(12)	Fall	◎
	CE505	37.505	Applied Mathematics	3:0:3	Spring	◎
	CE514	37.514	Advanced Structural Dynamics	3:1:3(12)	Fall	◎
	CE515	37.515	Mechanics of Composite Materials	3:1:3(12)	Fall	
	CE516	37.516	Finite Element Analysis	3:1:3(6)	Fall	
	CE518	37.518	Reliability Analysis of Structures	3:0:3(8)	Fall	
	CE519	37.519	Bridge Engineering & Design	3:1:3(6)	Fall	◎
	CE520	37.520	Introduction to Smart Structure Technology	2:3:3(5)	Spring	◎
	CE530	37.530	Geophysical Exploration for Energy Resources	3:0:3	Fall	◎
	CE531	37.531	Geotechnical Experiments	1:6:3(6)	Spring	◎
	CE532	37.532	Rock Engineering with IT	3:1:3(4)	Fall	◎
	CE533	37.533	Site Investigation and IT based Monitoring	3:2:3(6)	Fall	◎
	CE534	37.534	Analysis of Soil Behavior by IT	3:0:3(4)	Fall	
	CE536	37.536	Design of Underground Structures	3:1:3(4)	Spring	
	CE539	37.539	Earth Retaining Structures for U-Space	3:0:3(4)	Fall	◎
	CE541	37.541	Sustainable Infrastructure Systems Engineering	3:0:3	Fall	◎
	CE545	37.545	Data, Decision and System Analysis	3:0:3	Spring or Fall	◎
	CE547	37.547	Transportation System analysis and Operations	3:0:3	Spring	◎
	CE551	37.551	Soft Computing Techniques for Engineering Design	3:0:3	Spring	◎
	CE553	37.553	IT for U-Space	3:0:3	Spring	◎
	CE554	37.554	Mechanical Design of Civil Robot	3:0:3	Fall	◎
	CE558	37.558	Introduction to Civil Robotics	3:0:3	Spring	◎
	CE560	37.560	Smart and Green Environmental Design	3:0:3	Spring	◎
	CE563	37.563	Intelligent U-Space Transportation Systems	3:0:3	Fall	◎
	CE571	37.571	Environmental Engineering Laboratory	1:6:3(10)	Fall	◎
	CE572	37.572	Environmental Microbiology and Biotechnology	3:0:3	Fall	◎
	CE573	37.573	Advanced Membrane-based Water Treatment	3:1:3	Fall	
	CE577	37.577	Integrated Water Resources Management	3:1:3(5)	Fall	◎
	CE579	37.579	Hazardous and Industrial Waste Treatment	3:1:3(8)	Fall	
	CE580	37.580	Structural Pattern Recognition for Statistical Health Monitoring	2:3:3	Spring	◎
CE590	37.590	Elastoplastic Analysis and Design of Structural Systems	3:1:3	Spring	◎	
CE596	37.596	Special Topics in Structural Engineering Design for U-Space	2:3:3	Fall		
CE597	37.597	Special Topics in Geotechnical Engineering Design for U-Space	3:1:3(4)	Spring		
CE598	37.598	Special Topics in Environmental Engineering Design for U-Space	3:1:3(4)	Fall		

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	CE599	37.599	Special Topics in U-Space Construction IT Design	3:0:3	Spring	◎
	CE611	37.611	Inelastic Analysis of Reinforced Concrete Structures	3:0:3(6)	Spring	
	CE614	37.614	Stability of Structures for U-Space	3:1:3(6)	Fall	
	CE617	37.617	Earthquake Engineering	3:1:3(8)	Spring	
	CE619	37.619	Vibration Control of Structures	3:1:3(12)	Fall	
	CE631	37.631	Advanced Numerical Soil Mechanics	2:3:3(6)	Spring	
	CE633	37.633	Advanced Soil Dynamics	3:1:3(6)	Spring	
	CE636	37.636	Geotechnical Earthquake Engineering & Design	3:0:3(4)	Spring	
	CE637	37.637	Theory of Geophysics	3:0:3(4)	Spring	
	CE672	37.672	U-Space Advanced Environmental Unit Processes	3:1:3(5)	Spring	
	CE772	37.781	Advanced Topics in Civil and Environmental Engineering	3:0:3	Spring or Fall	Subtitle is assigned
Research	CE960	37.960	M.S. Thesis Research	0:3:3	Spring, Fall	
	CE966	37.966	Seminar (M.S.)	1:0:1	Spring, Fall	
	CE980	37.980	Ph.D. Thesis Research	0:3:3	Spring, Fall	
	CE986	37.986	Seminar (Ph.D.)	1:0:1	Spring, Fall	

◎: Course mutually recognized by undergraduate and graduate programs

※Course classification, course title, and mutual recognition of credits may differ according to the effective year of the requirements.