Planned Course Offering

					Proposed 3-yr Schedule								
Dept	**No.**	**Lab**	**Units**	**Title**	**Fall '23**	**Spring '24**	**Sum. '24**	**Fall '24**	**Spring '25**	**Sum. '25**	**Fall '25**	**Spring '26**	**Sum. '26**
CE	1001	L	1	Civil Engineering Design Laboratory	*	*		*	*		*	*	
CE	1001		2	Civil Engineering Design	*	*		*	*		*	*	
CE	1011	L	1	Surveying Engineering Laboratory	*	*	*	*	*	*	*	*	*
CE	1011		3	Surveying Engineering	*	*	*	*	*	*	*	*	*
CE	1101	L	1	Construction Drafting Laboratory	*	*		*	*		*	*	
CE	1101		2	Construction Drafting	*	*		*	*		*	*	
CE	2011		3	Technical Communications	*	*		*	*		*	*	
CE	2021		2	Infrastructure Economics & Public Policy	*	*	*	*	*	*	*	*	*
CE	2030	L	1	Civil Engineering Materials Laboratory	*	*	*	*	*	*	*	*	*
CE	2030		2	Civil Engineering Materials	*	*	*	*	*	*	*	*	*
CE	2041		3	Engineering Statics	*	*	*	*	*	*	*	*	*
CE	2051	L	1	Mechanics of Materials Laboratory	*	*	*	*	*	*	*	*	*
CE	2051		3	Mechanics of Materials	*	*	*	*	*	*	*	*	*
CE	2061		3	Fluid Mechanics	*	*	*	*	*	*	*	*	*
CE	2070		2	Computer Programming and Numerical Methods	*	*	*	*	*	*	*	*	*
CE	2071		2	Engineering Dynamics	*	*		*	*		*	*	
CE	3101	L	1	Construction Engineering Laboratory	*	*	*	*	*	*	*	*	*
CE	3101		2	Construction Engineering	*	*	*	*	*	*	*	*	*
CE	3121		2	Building Systems	*	*		*	*		*	*	
CE	3140	L	1	Construction Estimating Laborotory	*	*		*	*		*	*	
CE	3140		3	Construction Estimating	*	*		*	*		*	*	
CE	3150		3	Construction Equipment and Safety	*	*		*	*		*	*	
CE	3201	L	1	Environmental Engineering Laboratory	*			*			*		
CE	3201		3	Environmental Engineering	*			*			*		
CE	3211		3	Water Resources Engineering	*	*		*	*		*	*	
CE	3301		3	Engineering Geomatics	*	*		*	*		*	*	
EGR	3321	A	1	California Boundary Law and Public Lands Activity	*			*			*		
EGR	3321		3	California Boundary Law and Public Lands	*			*			*		
CE	3401	L	1	Geotechnical Engineering Laboratory	*	*	*	*	*	*	*	*	*
CE	3401		3	Geotechnical Engineering	*	*	*	*	*	*	*	*	*
CE	3501	L	1	Structural Design Laboratory	*	*	*	*	*	*	*	*	*
CE	3501		3	Structural Analysis I	*	*	*	*	*	*	*	*	*
CE	3510	L	1	Structural Testing Laboratory	*	*		*	*		*	*	
CE	3510		3	Structural Analysis II	*	*		*	*		*	*	
CE	3601	L	1	Transportation Engineering Laboratory	*	*	*	*	*	*	*	*	*
CE	3601		3	Transportation Engineering	*	*	*	*	*	*	*	*	*
CE	4031		3	Sustainable Buildings and Infrastructure		*			*			*	
EGR	4050		3	Role of Design Professionals In Society	*	*	*	*	*	*	*	*	*
CE	4120	L	1	Construction Scheduling Laboratory	*	*		*	*		*	*	
CE	4120		2	Construction Scheduling	*	*		*	*		*	*	
CE	4130		3	Construction Contracts	*	*		*	*		*	*	
CE	4131[c]		3	Construction Risk Management	*			*			*		
CE	4140		3	Construction Project Management	*	*		*	*		*	*	

CE	4151		3	Project Lifecycle and Sustainability		*		*	*		*	*	
CE	4161[c]		3	Underground Construction and Trenchless Technology	*						*		
CE	4171	L	1	Virtual Design Construction and Management - BIM Laboratory		*						*	
CE	4171		2	Virtual Design Construction and Management - BIM		*						*	
CE	4181[c]		3	Temporary Construction Structures		*						*	
CE	4191[c]		3	Construction Project Delivery Methods		*			*			*	
CE	4201	L	1	Water & Wastewater Engineering Laboratory		*			*			*	
CE	4201		3	Water & Wastewater Engineering		*			*			*	
CE	4211		3	Applied Hydrology	*			*			*		
CE	4220	L	1	Solid and Hazardous Waste Engineering Laboratory		*			*			*	
CE	4220		3	Solid and Hazardous Waste Engineering		*			*			*	
CE	4231		3	Water Reclamation and Desalination	*						*		
CE	4241		3	Environmental Remediation	*			*			*		
CE	4261[c]		3	Air Quality Engineering								r	
CE	4271[c]		3	Unit Operations and Processes in Environmental Engineering		*						*	
CE	4281[c]		3	River Mechanics		*						r	
CE	4301	L	1	Digital Mapping Laboratory	*			*			*		
CE	4301		2	Digital Mapping	*			*			*		
CE	4321	L	1	Subdivision Engineering and Land Survey Descriptions Laboratory	*	*		*	*		*	*	
CE	4321		3	Subdivision Engineering and Land Survey Descriptions	*	*		*	*		*	*	
CE	4331	L	1	GIS Applications in Engineering & Remote Sensing Laboratory	*			*			*		
CE	4331		2	GIS Applications in Engineering & Remote Sensing	*			*			*		
CE	4341	L	1	Sattelite Surveying In Engineering Laboratory	*			*			*		
CE	4341		2	Satellite Surveying in Engineering	*			*			*		
CE	4350	L	1	Photogrammetry Laboratory	*			*			*		
CE	4350		2	Photogrammetry	*			*			*		
CE	4400		3	Foundation and Retaining Wall Design	*	*		*	*		*	*	
CE	4410		2	Civil Engineering Internship									
CE	4451		3	Pavement Design & Construction					*				
CE	4461		3	Rock Mechanics				*					
CE	4470		3	Slope Stability and Earth Dams		r						r	
CE	4510		3	Structural Design--Reinforced Concrete	*	*		*	*		*	*	
CE	4520		3	Masonry Design		r						r	
CE	4530	L	1	Structural Design-Timber Laboratory	*			*			*		
CE	4530		2	Structural Design-Timber	*			*			*		
CE	4540		3	Bridge Design		*			*			*	
CE	4560		3	Structural Design - Steel	*	*		*	*		*	*	
CE	4571		3	Introduction to Earthquake Engineering and Structural Dynamics		*			*			*	
CE	4580	L	2	Architectural Engineering Interdisciplinary Design - Timber Laboratory	r						r		
CE	4580		1	Architectural Engineering Interdisciplinary Design - Timber	r						r		
CE	4590	L	2	Architectural Engineering Interdisciplinary Design - Precast Concrete Laboratory				r					
CE	4590		1	Architectural Engineering Interdisciplinary Design - Precast Concrete				r					
CE	4611[c]	L	1	Design of Transportation Facilities Laboratory	*			*			*		
CE	4611[c]		3	Design of Transportation Facilities	*			*			*		
CE	4631[c]		3	Transportation Systems Design and Operation		*			*			*	

CE	4640	L	1	Transportation Planning and Management Lab		*			*			*	
CE	4640[c]		3	Transportation Planning and Management		*			*			*	
CE	4671[c]		3	Intelligent Transportation Systems				*					
CE	4681[c]		3	Multimodal Traffic Analysis		r						r	
CE	4690[c]	L	1	Traffic Engineering Laboratory	*			*			*		
CE	4690[c]		3	Traffic Engineering	*			*			*		
CE	4990		1 ~ 3	Special Topics for Upper Division									
CE	5020		3	Applied Probability Concepts in Civil Engineering	*	*		*	*		*	*	
CE	5111		3	Construction Productivity				*					
CE	5121		3	Construction Financial Management					*				
CE	5131[c]		3	Construction Risk Management	*			*			*		
CE	5141		3	Advanced Construction Project Management	*						*		
CE	5161[c]		3	Underground Construction and Trenchless Technology	*						*		
CE	5171[c]		3	Temporary Construction Structures		*						*	
CE	5181[c]		3	Construction Leadership & Ethics				*					
CE	5191[c]		3	Construction Project Delivery Methods		*			*			*	
CE	5200		1	Environmental and Water Resources Seminar	*						*		
CE	5201		3	Environmental Chemistry					*				
CE	5210		3	Municipal Hydraulic Systems	*						*		
CE	5211		3	Applied Hydrology		*						*	
CE	5220		3	Solid and Hazardous Waste Engineering	*						*		
CE	5241		3	Environmental Remediation					*				
CE	5251		3	Groundwater Mechanics							*		
CE	5261[c]		3	Air Quality Engineering								r	
CE	5271[c]		3	Unit Operations and Processes in Environmental Engineering		*						*	
CE	5280[c]		3	River Mechanics					*				
CE	5290		3	Global Climate and Water Supply						r			r
CE	5310		3	GIS Applications in Civil Engineering		*			*			*	
CE	5400		3	Advanced Soil Mechanics I	*			*			*		
CE	5401		3	Numerical Methods in Geomechanics		*			*			*	
CE	5410		2	Advanced Soil Mechanics II					r				
CE	5430		3	Advanced Foundation Engineering		*			*			*	
CE	5431	L	1	Subsurface Investigation and Characterization Laboratory		*			*			*	
CE	5431		2	Subsurface Investigation and Characterization		*			*			*	
CE	5440		3	Earth Retaining Structures				*					
CE	5451		3	Pavement Design & Construction		*						*	
CE	5460		3	Rock Mechanics									
CE	5470		3	Slope Stability and Earth Dams	*						*		
CE	5480		3	Geotechnical Earthquake Engineering	*			*			*		
CE	5491		3	Street Maintenance, Rehabilitation and Management					*				
CE	5501		3	Advanced Engineering Mathematics		*			*			*	
CE	5502		3	Structural Dynamics	*			*			*		
CE	5504		3	Advanced Steel Design		*			*			*	
CE	5505		3	Advanced Reinforced Concrete Design	*			*			*		
CE	5506		3	Seismic Design of Structures		*			*			*	

CE	5510		3	Theory of Plates and Shells										
CE	5515		3	Probability Analysis, Structures, and Infrastructure System Reliability	*			*			*			
CE	5520		3	Prestressed Concrete Design					*					
CE	5530		3	Advanced Timber Design		*							*	
CE	5541		3	Advanced Structural Analysis		*			*				*	
CE	5561		3	Light Gage Steel Design										
CE	5610[c]		3	Design of Transportation Facilities	*			*			*			
CE	5620		3	Traffic Flow Analysis				*					*	
CE	5631[c]		3	Transportation Systems Design and Operation		*			*				*	
CE	5640[c]		3	Transportation Planning and Management		*			*				*	
CE	5661		3	Transportation System Simulation	*						*			
CE	5670[c]		3	Intelligent Transportation Systems				*						
CE	5681[c]		3	Multimodal Traffic Analysis		r							r	
CE	5691[c]		3	Traffic Engineering	*			*			*			
CE	5990		1~3	Special Topics for Graduate Students										
CE	6900		1	Research Methods										
CE	6950		2-3	Master's Degree Project	*	*		*	*		*	*		
CE	6960		2-6	Master's Degree Thesis	*	*		*	*		*	*		
CE	6970		1	Comprehensive Examination	*	*		*	*		*	*		
CE	6990		0	Master's Degree Continuation										

Symbol Legend

*	Offered
o1	Online Only
*e	Evening/Day Class
r	Scheduled Upon Request
[c]	Co-listing