

	Fall'17	Spring'18	Fall'18	Spring'19	Fall'19	Spring'20	Fall'20	Spring'21	Fall'21	Spring'22
<b>Technical Electives/Graduate Courses</b>										
<b>Construction Management</b>										
CE 582 Construction Project Planning, Scheduling, and Control (3)		1	1	1	1	1	1	1	1	1
CE 583 Construction Cost Estimating (3)		1		1		1		1		1
CE 585 Construction Equipment and Methods (3)			1		1		1		1	
<b>Engineering Mechanics</b>										
CE/EM 502 Introductory Finite Element Method (3)		1	1		1		1		1	
EM 504 Elasticity Theory and Application (3)		1				1				1
EM 508 Fracture Mechanics (3)			1				1			
EM 605 Mechanical Behavior of Materials II - Special Topics (3)				1				1		
EM 606 Wave Propagation in Solids (3)		1			1				1	
<b>Geotechnical</b>										
CE 540 Foundation Engineering (3)	1		1		1		1		1	
CE 541 Earth Structures in Geotechnical Engineering (3)	1			1		1		1		1
CE 542 Ground Improvement (3)		1			1				1	
CE 544 Special Topics in Geomechanics (3)										
CE 545 Geoenvironmental Engineering (3)			1				1			
CE 546 Geotechnical Earthquake Engineering (3)										
CE 548 Numerical Methods in Geotechnical Engineering (3)										
<b>Hydraulics</b>										
CE 522 Open-Channel Flow (3)				1			1			1
CE 523 Hydrology (3)		1		1		1		1		1
CE 527 Computer Applications in Hydraulics (3)	1		1		1		1		1	
CE 529 Special Topics in Hydraulics and Water Resources Engineering (3)	1	1			1			1		
CE 549 (HWR) - Statistical Hydrology	1		1		1		1		1	
CE 622 Sedimentation Engineering			1			1			1	
CE 655 (HWR) Stochastic Methods in Surface Hydrology (3)										
<b>Structures</b>										
CE 510 Probability in Civil Engineering (3)			1				1			
CE 532 Advanced Structural Design in Steel (3)	1		1		1		1		1	
CE 534 Design of Wood and Masonry Structures (3)		1		1		1		1		1
CE 535 Prestressed Concrete Structures (3)		1			1			1		
CE 537 Advanced Structural Design in Concrete (3)		1		1		1		1		1
CE 538 Behavior and Design of Structural Systems (3)	1			1			1			
CE 632 Infrastructure Rehabilitation (3)									1	
CE 633 Reinforced Concrete (3)										
CE 638 Advance Structural Stability (3)						1				1
EM 633 Structural Dynamics and Earthquake Engineering (3)				1						1
EM 634 Advanced Structural Dynamics (3)	1				1				1	
<b>Transportation</b>										
CE 560 Special Topics in Transportation Engineering (3)	1	1	1	1	1	1	1	1	1	1
CE 562 Traffic Engineering and Operations				1				1		
CE 563 Traffic Flow and Capacity Analysis (3)		1		1		1		1		1
CE 565 Transportation Data Management and Analysis (3)		1				1				
CE 566 Highway Geometric Design (3)	1		1		1		1		1	
CE 569 Travel Demand Modeling (3)	1		1		1		1		1	
CE 568 (PLNN) Urban Transportation Planning (3)										
<b>Multi-disciplinary Courses</b>										
CE 564A Integrated Highway Bridge Design w/LRFD Method (3)		1		1		1		1		1

Parenthesis indicates home department