Technical Electives/Graduate Courses	Fall'20	Spring'21	Fall'21	Spring'22	Fall'22	Spring'23	Fall'23	Spring'24	Fall'24	Spring'25
Construction Management										
CE 582 Construction Project Planning, Scheduling, and Control (3)		√		√		√		√		√
CE 583 Construction Cost Estimating (3)	√		√		√		√		√	
CE 585 Construction Equipment and Methods (3)		√		√		√		√		√
Engineering Mechanics										
CE/EM 502 Introductory Finite Element Method (3)	√		√		√		√		√	
EM 504 Elasticity Theory and Application (3)				√		√		√		√
EM 508 Fracture Mechanics (3)	√				√					
EM 605 Mechanical Behavior of Materials II - Special Topics (3)		√								
EM 606 Wave Propagation in Solids (3)			√			√		√	√	
Geotechnical										
CE 540 Foundation Engineering (3)	√		√		√		√		√	
CE 541 Earth Structures in Geotechnical Engineering (3)		√		√		√		√		√
CE 542 Ground Improvement (3)			√			√				√
CE 544 Special Topics in Geomechanics (3)										
CE 545 Geoenvironmental Engineering (3)	√			√			√			
CE 546 Geotechnical Earthquake Engineering (3)		√			√			√	√	
CE 548 Numerical Methods in Geotechnical Engineering (3)										
Hydraulics										
CE 522 Open-Channel Flow (3)	√			√				√		
CE 523 Hydrology (3)		√		√		√		√		√
CE 527 Computer Applications in Hydraulics (3)	√		√		√		√		√	
CE 529 Special Topics in Hydraulics and Water Resources Engineering (3)		√			√	√			√	
CE 549 (HWR) - Statistical Hydrology	√		√		√		√		√	
CE 622 Sedimentation Engineering			√				√			√
CE 655 (HWR) Stochastic Methods in Surface Hydrology (3)										
Structures										
CE 510 Probability in Civil Engineering (3)				√				√		√
CE 532 Advanced Structural Design in Steel (3)		√		√		√		√		√
CE 534 Design of Wood and Masonry Structures (3)	√		√		√		√		√	
CE 535 Prestressed Concrete Structures (3)		√		√		√		√		√
CE 537 Advanced Structural Design in Concrete (3)	√		√		√		√		√	
CE 538 Behavior and Design of Structural Systems (3)		√		√		√		√		√
CE 632 Infrastructure Rehabilitation (3)										
CE 633 Reinforced Concrete (3)										
CE 638 Advance Structural Stability (3)	√				√					
EM 633 Structural Dynamics and Earthquake Engineering (3)		√				√				
EM 634 Advanced Structural Dynamics (3)			√				√		√	
Transportation										
CE 560 Special Topics in Transportation Engineering (3)	√		√		√		√	√	√	
CE 562 Traffic Engineering and Operations		√						√		
CE 563 Traffic Flow and Capacity Analysis (3)		√		√		√		√		√
CE 565 Transportation Data Management and Analysis (3)						√				√
CE 566 Highway Geometric Design (3)	√		√		√		√		√	
CE 567 Traffic Safety	√		√		√		√		√	
CE 569 Travel Demand Modeling (3)	√		√		√		√		√	
CE 568 (PLNN) Urban Transportation Planning (3)	√		√		√		√		√	
Multi-disciplinary Courses										
CE 564A Integrated Highway Bridge Design w/LRFD Method (3)		√		√		√		√		√

Parenthesis indicates home department