

## Civil Engineering, General

- C E 101: Introduction to Civil Engineering I
- C E 102: Introduction to Civil Engineering II
- C E 103: Introduction to Civil Engineering Lab
- <u>C E 205: Civil Engineering Laboratory I</u>
- C E 206: Introduction to Surveying
- <u>C E 207: Surveying</u>
- C E 208: Civil Engineering Graphics I
- C E 302: Mechanics Laboratory
- C E 303: Materials Laboratory
- C E 305: Civil Engineering Laboratory II
- C E 311: Structural Analysis
- C E 315: Civil Engineering Materials
- <u>C E 325</u>: <u>Intermediate Mechanics</u>
- C E 371: Intro to Environmental Engineering
- C E 401: Civil Engineering Fundamentals
- C E 405: Civil Engineering Laboratory III
- C E 412: Design of Concrete Structures
- <u>C E 413: Steel Design</u>
- C E 414: Advanced Concrete Design
- C E 417: Construction Engineering and Management
- <u>C E 421: Matrix Analysis of Structures</u>
- C E 431: Soil Mechanics I
- C E 433: Foundation Engineering
- C E 435: Advanced Geotechnical Engineering
- C E 452: Civil Engineering Analysis
- C E 454: Engineering Design I
- C E 455: Civil Engineering Design I
- C E 456: Civil Engineering Design II
- C E 471: Environmental Engineering I
- C E 472: Water Resources Engineering
- C E 481: Transportation Engineering I
- <u>C E 495</u>: Geospatial Analysis for Engr & Vis Apps
- <u>C E 497: Civil Engineering Projects</u>
- C E 511: Structural Dynamics
- <u>C E 514: Pre-Stressed Concrete Design</u>
- C E 521: Advanced Mechanics of Materials
- C E 531: Soil Mechanics II
- C E 541: Flow in Open Channels
- C E 542: Flow in Porous Media
- <u>C E 543: Sediment Transport</u>
- C E 561: Civil Engineering Systems
- <u>C E 570: Infrastructure Management</u>
- C E 581: Transportation Engineering II
- <u>C E 585: Highway Pavements</u>
- C E 590: Airport Planning and Design
- Engr 537: Environmental Engineering II
- Engr 540: Environmental Organic Transport Phenomen
- Engr 572: Advanced Sanitary Analysis
- Engr 573: Environmental Remediation
- Engr 585: Mechanics of Composite Materials I
- Engr 590: Finite Element Analysis I
- Engr 617: Continuum Mechanics
- Engr 630: Unit Process & Oper in Env Eng I
- Engr 631: Unit Process & Oper in Env Eng II
- Engr 632: Sludge Treatment and Disposal
- Engr 634: Treatment & Disposal of Industrial Waste
- Engr 636: Groundwater Mechanics
- Engr 637: Groundwater Modeling





- Engr 638: Hazardous Waste Management
- Engr 639: Environmental Systems Engineering
- Engr 645: Contaminant Transport
- Engr 647: Pavement Management Systems
- Engr 649: Advanced Foundation Engineering
- Engr 671: Elasticity
- Engr 672: Viscoelasticity
- Engr 673: Plasticity
- Engr 674: Fracture Mechanics
- Engr 677: Plates and Shells
- Engr 678: Elasticstability
- Engr 690: Finite Element Analysis II
- Engr 696: Seminar in Environmental Engineering
- Engr 702: Finite Element Analysis of Fluid Flows
- Engr 706: Adv Waste Treat Proc in Sanitary Eng
- Engr 711: Turbulence
- Engr 712: Statistical Theory Turbulent Diffusion
- Engr 713: Hydrodynamic Stability
- Engr 714: Coastal Hydrodynamics
- Engr 715: Applied Hydro- and Aeromechanics I
- Engr 716: Applied Hydro- and Aeromechanics II
- Engr 749: Special Topics in Soil Science
- Engr 779: Special Topics in Solid Mechanics
- M E 404: Applied Fluid Mechanics
- M E 421: Structural Analysis
- M E 422: Structural Design I
- M E 540: Failure Analysis