CIVIL ENGINEERING DEPARTMENT
Planned Rotation of Undergraduate Electives and Graduate Courses

Environmental Engineering/Water Resources Option

Fall even years
ENGR 59910 Introduction to GIS
CE 58400/H8400 Solid Waste Management
CE H0700 Advanced Hydraulics
CE G7100 Water & Wastewater Quality
CE G8100 Macro-Scale Hydrology
CE G8400 Air Quality Modeling
or CE G8600 Air Pollution Measurement
CE G9500 Remote Sensing in WREE

Spring odd years
CE 56600/H1200 Engineering Hydrology
CE G7800 Solid Waste Reuse & Recycling
CE 48200 Water & Wastewater Treatmt. Design
ENGR 30100 Introduction to Remote Sensing
CE G0800 GIS in WREE
CE G4500 Advanced Data Analysis
CE H7600 Biological Wastewater Treatment
CE G9700 Numerical Methods & Simulation of Fluid Flow

Fall odd years
ENGR 59910 Introduction to GIS
CE 58300/H8300 Air Pollution and Control
CE H0700 Advanced Hydraulics
CE H7500 Drinking Water Treatment
CE G8150 Advanced Macro-Scale Hydrology
CE G9800 Sustainability in Engineering

Spring even years
CE 56600/H1200 Engineering Hydrology
CE G7800 Solid Waste Reuse & Recycling
CE 57100 Water Quality Analysis
ENGR 30100 Introduction to Remote Sensing
CE H0800 Applied Hydraulics
CE G7300 Surface Water Quality Modeling
CE G9100 Water Resources System Analysis

Structures Option

Fall Even years
CE 44200 Structural Design
CE 53000 Advanced Strength of Materials
CE 55000 Advanced Reinforced Concrete
CE I3500 Applied Elasticity & Plasticity
CE H5200 Bridge Engineering
CE H5700 Condition Assessment & Rehab. of Structures
CE G0200 High-Rise Building Design and Analysis

Spring Odd years
CE 44000 Finite Element Analysis of Structures
CE 59000 Foundation Engineering
CE I1700 Finite Element Methods in Engr.
CE I3000 Structural Dynamics
CE H5300 Advanced Structural Design
CE H5100 Prestressed Concrete

Fall Odd years
CE 44200 Structural Design
CE 53000 Advanced Strength of Materials
CE 55000 Advanced Reinforced Concrete
CE I3500 Applied Elasticity & Plasticity
CE G0100 Linear Analysis of Structures
CE H5400 Linear and Nonlinear Analysis of Structures
CE I5600 Earthquake Engineering

Spring Even years
CE 44000 Finite Element Analysis of Structures
CE 59000 Foundation Engineering
CE I1700 Finite Element Methods in Engr.
CE I3000 Structural Dynamics
CE H5300 Advanced Structural Design
CE I5500 Stability of Structures

Transportation Option

Fall odd and even years
CE 52000 Traffic Engineering

Spring odd and even years
CE 54000 Highway Engineering