

CEES (CEES)

CEES 1000. CEES Seminar. 0 Credit Hours.

Course Type: Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 1111. Exploring CEES. 1 Credit Hour.

Course Type: Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 1112. Intro to CEES. 2 Credit Hours.

Course Type: Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 1213. Computing Applications in CEES. 3 Credit Hours.

Course Type: Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 2113. Statics. 3 Credit Hours.

Course Type: Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 2153. Mechanics of Materials. 3 Credit Hours.

Course Type: Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 2213. CADD Fundamentals. 3 Credit Hours.

Course Type: Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 2223. Fluid Mechanics. 3 Credit Hours.

Course Type: Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 2281. Engineering Co-Op Program. 1 Credit Hour.

Course Type: Internship

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 2313. Water Quality Fundamentals. 3 Credit Hours.

Course Type: Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 2323. Envir Transport & Fate Process. 3 Credit Hours.

Course Type: Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 2970. Special Topics/Seminar. 3 Credit Hours.

Course Type: Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 3213. Water Resources Engineering. 3 Credit Hours.

Course Type: Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 3243. Water/Waste Treatment Design. 3 Credit Hours.

Course Type: Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 3251. WaTER Integrated Seminar. 1 Credit Hour.

Course Type: Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 3253. Intro to Continuum Mechanics. 3 Credit Hours.

Course Type: Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 3263. Intro Dynamics-Arch/Civil Engr. 3 Credit Hours.

Course Type: Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 3334. Measurements in CEES. 4 Credit Hours.

Course Type: Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 3361. Soil Mechanics Laboratory. 1 Credit Hour.

Course Type: Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 3363. Soil Mechanics. 3 Credit Hours.

Course Type: Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 3364. Soil Mechanics. 4 Credit Hours.

Course Type: Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 3403. Materials. 3 Credit Hours.

Course Type: Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 3413. Structural Analysis I. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 3414. Structural Analysis I. 4 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 3422. WaTER Immersion Experience. 2 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 3440. Mentored Research Experience. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 3453. Intro to Construction Mgmt. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 3663. Structural Design - Steel I. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 3673. Structural Design - Concrete I. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 3774. Struct Design--Concrete/Steel. 4 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 3883. Transportation Engineering. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 3884. Transportation Engineering. 4 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 3960. Honors Reading (HONORS). 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 3970. Honors Seminar. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 3980. Honors Research (HONORS). 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 3990. Independent Study. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 4113. Lighting & Electrical Systems. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 4114. Aquatic Chemistry. 4 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 4123. Open Channel Flow. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 4234. Applied Envirnmtl Microbiology. 4 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 4243. Water Technologies for Emerging Regions. 3 Credit Hours.

Prerequisite: 2223 or 2323 or equivalent or instructor permission.

Students will gain an understanding of water and sanitation issues in remote villages of developing countries. Explore and design sustainable technologies appropriate to these settings including cultural, political and economic factors. (Sp) 3.000 Credit hours 3.000 Lecture hours
Levels: Graduate, Undergraduate Schedule Types: Lecture Civil Engr and Environmental Department Course Attributes: Engineering Course, Approved for graduate credit, Norman Upper Div Crse, Undergrad Upper Division Crse, Undergrad Engineering Crse Restrictions: Must be enrolled in one of the following Colleges: College of Engineering May not be assigned to one of the following Cohorts: Engineering Stop out May not be enrolled in one of the following Campuses: Indep and Distance Learning Health Science Center Prerequisites: Undergraduate level CEES 2223 Minimum Grade of C or Undergraduate level CEES 2323 Minimum Grade of C

Course Type: Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 4253. Statistics and Probability. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 4263. Hazardous & Solid Waste Mgt. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 4273. WaTER Technical Field Methods. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 4324. Environmntl Biology & Ecology. 4 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 4333. Foundation Engineering. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 4373. Water Resources Management. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 4423. CEES Prof Internship/Co-op. 3 Credit Hours.**Course Type:** Internship

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 4453. Geomatics Engineering. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 4473. Soil Science. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 4663. Intro Matrix Methods-Struct. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 4753. Structural Design - Wood. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 4803. Civil Engineering Prof Practic. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 4813. Envir Sci/Envir Engr Prof Prac. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 4843. Hydrology. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 4901. Introduction to CE Capstone. 1 Credit Hour.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 4903. Civil Engineering Capstone. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 4911. Introduction to ES Capstone. 1 Credit Hour.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 4913. Environmental Sci Capstone. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 4921. Introduction to EE Capstone. 1 Credit Hour.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 4923. Environmental Engr Capstone. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 4943. Air Quality Management. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 4951. Contemporary Topics Prof Pract. 1 Credit Hour.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 4960. Directed Readings. 4 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 4970. Special Topics/Seminar. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 4980. Envir Science Senior Research. 12 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 4990. Independent Study. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 4991. Introduction to AE Capstone. 1 Credit Hour.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 4993. Arch Engineering Capstone. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5010. Civil Engineering Problems. 4 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5020. Special Topics. 6 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5021. Technical Communications. 1 Credit Hour.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5103. Water Policy and Institutions. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5114. Aquatic Chemistry. 4 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5133. Water Sustainability. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5234. Applied Envirmntl Microbiology. 4 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5244. Physicochem Water Treatmt Proc. 4 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5263. Hazardous Waste Mangement. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5283. Environmntl Organic Chemistry. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5303. Asphalt Materials & Mix Design. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5313. Engineering Geology. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5323. Biol-Aspects-Es. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5324. Environmntl Biology & Ecology. 4 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5343. Advanced Soil Mechanics. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5353. Introduction to Soil Dynamics. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5363. Ecological Engineering Science. 3 Credit Hours.

Prerequisite: senior or graduate standing. Defined as the design of sustainable ecosystems that integrate human society with its natural environment for the benefit of both. It is distinct from both environmental engineer and ecology and uses a systems perspective based on the premise that sustainable solutions require working with natural ecological and biogeochemical process and not against them. Ecologically engineered systems are designed to require less fossil fuel input, produce less pollution and represent cost-effective alternatives to traditional energy-and resource-intensive technologies. (Sp) 3.000 Credit hours 3.000 Lecture hours Levels: Graduate Schedule Types: Lecture Civil Engr and Environmental Department Course Attributes: Engineering Course, Fee Category B, Grad Engineering Course, Graduate level Course, Norman Grad Div Crse

Course Type: Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5373. Transportation System Analysis. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5383. Earthquake Engineering. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5393. Reinforced Soil Structures. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5413. Soil-Structure Interaction. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5423. Environmental Geotechnology. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5433. In-Situ Soil Testing. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5443. Unsaturated Soil Mechanics. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5453. Public Mass Transport Systems. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5473. Forensic Geotechnical Engr. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5483. Urban/Regional Transport Plan. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5493. Transportation & Land Develop. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5503. Highway Engineering. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5513. Traffic Engineering. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5523. Transportation Asset Mgmt. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5533. Multimodal Transportation. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5583. Water Law. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5623. Watershed Mgmt and Restoration. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5624. Biological Waste Treatment. 4 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5643. Quantitative Hydrometeorology. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5653. Advanced Mech of Materials. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5663. Structural Analysis II. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5673. Colloid and Surface Science. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5683. Dynamics of Structures. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5693. Structural Design of Pavements. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5733. Hydroclimatology. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5763. Norman Course. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5773. Structural Design--Steel II. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5783. Structural Design--Concrete II. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5793. Prestressed Concrete Struct. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5803. Sol Wastes Sys Planning. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5813. Water Treatmnt Reuse and Hlth. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5823. GIS Apps in Envirmntl Modeling. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5833. Groundwater Quality Protection. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5843. Hydrology. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5853. Groundwater and Seepage. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5873. Water Quality Management. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5883. Environmental Modeling. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5903. Remote Sensing Hydrology. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5923. Air Pollution Control. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5933. Climate Chg/Water Sustainblty. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5960. Directed Readings. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5963. Water Security. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus.
For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5970. Special Topics/Seminar. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus.
For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5973. Fundamental Hydrology. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus.
For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5980. Research for Master's Thesis. 9 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus.
For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5982. CEES Non-Thesis Project. 2 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus.
For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 5990. Independent Study. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus.
For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 6210. Special Topics. 6 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus.
For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 6663. Advanced Finite Element Method. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus.
For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 6960. Directed Readings. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus.
For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 6970. Special Topics/Seminar. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus.
For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 6980. Research Doctoral Dissertation. 16 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus.
For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

CEES 6990. Independent Study. 3 Credit Hours.**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus.
For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).