

1. CEE 1020 – Connections to Civil and Environmental Engineering
2. Course credit hours: 1
Contact hours per week: 2
Credit category: Engineering Topics
3. Course coordinator: Daniel A. Badoe
4. Textbook: N/A

Supplemental materials: Handouts provided by instructor

- Online Sexual Harassment Training, currently at <https://www.tntech.edu/connections/haven.php>
- Online Copyright and Fair Use Training, currently at <https://www.tntech.edu/library/plagiarism.php>
- TTU’s Emergency Preparedness Plans, currently at <https://www.tntech.edu/safety/pdf/ClassroomSafetyPost.pdf>

5. Course information:

2020 Catalog description	Engages the student in meaningful academic and non-academic activities introducing students to the CEE department and the civil engineering profession. Emphasizes time management and study skills, department and university resources, faculty interaction, professional and student organizations, and the civil engineering profession.
Prerequisite(s)	None
Course type	Required

6. Course instructional outcomes:

Course Outcome No.	Course Outcome (CO)	ABET Student Outcome
CO1	Define sexual harassment and identify inappropriate behaviors related to sexual harassment	1
CO2	List the key elements of Copyright and Fair use	1
CO3	List appropriate responses to emergency conditions on campus	1
CO4	Identify university resources like tutoring services and student groups which are available	1
CO5	Identify strategies and/or habits which will help them to succeed in college	1
CO6	Identify the sub-disciplines of Civil and Environmental Engineering	1
CO7	Complete a hands-on activity related to Civil Engineering and/or one or more of its sub-disciplines	1
CO8	Know the steps to becoming a licensed engineer	1

ABET criterion 3 Student Outcomes addressed by this course:

SO No.	Student Outcome (SO)
3.1	An ability to acquire and apply new knowledge as needed, using appropriate learning strategies

7. Course topics:

1. Student organizations, undergraduate research, scholarships, graduate school, appreciation of engineering professionalism
2. Overview of civil engineering, civil engineering curriculum, and employment opportunities
3. Presentations by executive officers of the different civil-engineering student organizations
4. Presentation by the Center for Career Development on Career Center Resources, Resumes, CO-OP, Internships, and Career Fair Tips for Freshmen
5. Team project on concrete mix-design
6. Lecture and laboratory hands-on activity in the civil engineering sub-disciplines of water resources, environmental engineering, structural mechanics, transportation engineering, structural engineering, and civil engineering materials. Engineering professionalism is also addressed.
7. Team project on the creation of a ten-minute video about civil engineering for a high school audience
8. Emergency preparedness plan
9. Participation in fine arts and multicultural activities
10. Sexual Assault Education and Bystander Awareness Training
11. Fair Use Policy Training
12. Experiences of an undergraduate (non-freshman) student and graduate student

Program criteria (curriculum) addressed by this course:

1. Conduct experiments in at least two technical areas of civil engineering and analyze and interpret the resulting data
2. Explain the importance of professional licensure

8. Additional topics, assignments, or requirements for dual-level (4000/5000) course:

N/A

9. Date: 07/14/2020