

Objective 3:

Task (5): Understand the need for water quality standards and assess water quality in terms of measurable parameters and calculations.

Task (6): Analyze major unit operations in drinking water treatment and be able to design at least one unit operation such as rapid sand filtration system.

Objective 4:

Task (7): Understand the concept of water supply and availability, flow through porous media, and Darcy's equation.

Task (8): Apply engineering principles to solving water treatment problems.

Objective 5:

Task (9) Comprehend the basis for the unit operations used in water treatment such as softening, coagulation & flocculation, thickening/settling, filtration, and disinfection.

Task (10) Recognize and identify the science and engineering principles behind conventional water treatment operations.

ABET (1 – 7) Outcomes Addressed in Course

Outcomes	1	2	3	4	5	6	7
Objective 1	X						
Objective 2	X						
Objective 3	X	X	X				X
Objective 4	X						
Objective 5	X						

Grading and Other Policies

Effective Spring 2018, the **outlook 365 (tuskegee.edu) email system** at Tuskegee University is **REQUIRED** for all instructional administrators, faculty, staff and students.

It is critical that all homework, quizzes, and exams be completed on time.

You are expected to be in class on time. If you are unable to attend a class or take an exam, it is your responsibility to present a written valid excuse to your instructor. Valid excuses include serious illness, death in the immediate family, and participation in University-sponsored events. Any other excuse will be evaluated by the instructor. An excused absence allows you to make up any work you missed without any late penalties. Failure to contact the instructor and present her with a valid written excuse will result in an unexcused absence. An unexcused absence means that homework and design report you missed can be turned for 25% deduction in a week of the missed due date.

In the event of an excused absence, make up assignments (tests, quizzes, homework, design problems) must be done by the next class meeting following the date of the excused absence (unless scheduled with the instructor). Student is responsible for his/her own missed assignments. Student will receive a full credit for class participation for an excused absence.

Students need to submit their homework/design etc. by themselves. They should not give their homework/design etc. to another student to submit to the instructor. The instructor will not accept this type of submission.

Quizzes may or may not be announced. Final numerical grades will be determined using the following weighting:

Four class Exams	40%
Quizzes and Homework	15%
Design Report	10%
Attendance	10%
Final Exam	<u>25%</u>
Maximum Possible Score	100%

Final Grades

Final numerical grades will be awarded for cumulative percentage scores as follows:

A	=	90 – 100%
B	=	80 – 89%
C	=	70 – 79%
D	=	60 – 69% (This is a failure grade in the College of Engineering)
F		

such student(s) cannot return to class until they are properly dressed. The following are basic requirements of the dress code:

1. Jeans and T-shirts cannot be worn to class unless on Fridays.
2. No head gear, hats, or head covers unless it is required under special circumstances.
3. No sagging or wearing of dark sunshades in class.
4. Any outfit that will inappropriately expose body parts is unacceptable.

COURSE SCHEDULE CENG 450 – FALL 2023

WEEK	TOPIC	Text Chapter/Assignments
1 - 2	Environmental Engineering as a Profession; Introduction to Environmental Engineering	

6.

e. Opportunities for local and national academic related competitions

4. All COE students are expected to take advantage of all support systems. Students are particularly expected to adopt the notions of “self-confidence through knowledge acquisition” and “self-motivation to bring out best in self” as the COE fundamental culture for success.