



Course Number and Title: ENV 276 Honors Environmental Internship

Campus Location:
Georgetown, Stanton

Effective Date:
2018-52

Prerequisite:
Department Approval

Co-Requisites:
None

Course Credits and Hours:
2.00 credits
0.00 lecture hours/week
6.00 lab hours/week

Course Description:
This course provides work experience in research, industry, service, manufacturing, or other facilities in a related field.

Required Text(s):
Obtain current textbook information by viewing the [campus bookstore - https://www.dtcc.edu/bookstores](https://www.dtcc.edu/bookstores) online or visit a campus bookstore. Check your course schedule for the course number and section.

Additional Materials:
None

Schedule Type:
Classroom Course

Disclaimer:
None

Core Course Performance Objectives (CCPOs):

1. Integrate learned field or laboratory principles into the field or laboratory setting. (CCC 6; PGC EET 2, 1)
2. Use laboratory or field instrumentation while maintaining acceptable field or laboratory practices. (CCC 6; PGC EET 3, 5)
3. Demonstrate professional behaviors in all matters relating to field or laboratory working environment. (CCC 3, 4; PGC EET 6)
4. Comply with college and field/laboratory affiliate departmental policies and procedures. (CCC 4; PGC EET 6)
5. Use critical thinking and problem solving skills in a field or laboratory setting. (CCC 2, 6; PGC EET 1)
6. Apply principles of safety, laboratory safety regulations, and/or field safety protocol. (CCC 4, 5; PGC EET 6)

See Core Curriculum Competencies and Program Graduate Competencies at the end of the syllabus. CCPOs are linked to every competency they develop.

Measurable Performance Objectives (MPOs):

Upon completion of this course, the student will:

1. Integrate learned field or lab principles into the field or laboratory setting.
 1. Use technical vocabulary.
 2. Apply proper environmental engineering methods required for tasks assigned.
 3. Use appropriate tools required in the work environment.
 4. Gather relevant information or data.
2. Use laboratory or field instrumentation while maintaining acceptable field or laboratory practices.
 1. Conduct equipment checks.
 2. Operate standard field or laboratory equipment in an appropriate and safe manner.
 3. Perform or schedule preventive maintenance.
 4. Maintain equipment logs as required.
3. Demonstrate professional behaviors in all matters relating to field or laboratory working environment.
 1. Interact with colleagues.
 2. Follow oral and written directions.
 3. Work in a group setting.
 4. Follow industrial and professional regulations.
 5. Attend required group meetings and seminars.
 6. Perform time management skills.
 7. Report to internship as prescribed by assigning agency, university, or facility.
 8. Submit required reports to supervisors and/or instructors.
4. Comply with college and field/laboratory affiliate departmental policies and procedures.
 1. Follow protocols as directed by supervisor.
 2. Collect and share data in approved format.
 3. Follow protocols for data management.
 4. Attend required training.
 5. Follow appropriate federal and state regulations.
 6. Follow industrial and professional regulations.
5. Use critical thinking and problem solving skills in a field or laboratory setting.
 1. Use the scientific method for problem solving.
 2. Perform mathematical calculations and conversions if required.
 3. Collect and analyze trends in data using appropriate tools.
 4. Interpret data accurately.
6. Apply principles of safety, laboratory safety regulations, and/or field safety protocol.
 1. Identify first aid supplies, personnel, emergency protection areas, and evacuation plan.
 2. Identify potential hazards in field or laboratory setting.
 3. Follow appropriate safety procedures and guidelines.
 4. Monitor, use, store, and dispose of hazardous materials properly.
 5. Maintain a work area free from clutter.

Evaluation Criteria/Policies:

Students must demonstrate proficiency on all CCPOs at a minimal 75 percent level to successfully complete the course. The grade will be determined using the Delaware Tech grading system:

92	-	100	=	A
83	-	91	=	B
75	-	82	=	C
0	-	74	=	F

Students should refer to the [Student Handbook - https://www.dtcc.edu/handbook](https://www.dtcc.edu/handbook) for information on the Academic Standing Policy, the Academic Integrity Policy, Student Rights and Responsibilities, and other policies relevant to their academic progress.

Final Course Grade:

Calculated using the following weighted average

Evaluation Measure	Percentage of final grade
Summative: Instructor/Employer Evaluation	30 %
Summative: Final Presentation/Poster Presentation	30 %
Formative: Project Milestone Check-ins	40 %
TOTAL	100%

Core Curriculum Competencies (CCCs are the competencies every graduate will develop):

1. Apply clear and effective communication skills.
2. Use critical thinking to solve problems.
3. Collaborate to achieve a common goal.
4. Demonstrate professional and ethical conduct.
5. Use information literacy for effective vocational and/or academic research.
6. Apply quantitative reasoning and/or scientific inquiry to solve practical problems.

Program Graduate Competencies (PGCs are the competencies every graduate will develop specific to his or her major):

1. Apply the knowledge, techniques, skills, and applicable tools of the discipline to engineering activities, including but not limited to site development, hydraulics and hydrology, grading, water and wastewater treatment, pollution prevention and treatment, and sustainable design.
2. Conduct standardized field and laboratory testing.
3. Demonstrate a commitment to quality, timeliness, professional development, and continuous improvement.
4. Use graphic techniques and productivity software to produce technical documents.
5. Explain the major aspects of the normal ecology of the planet and risks associated with polluting the environment.
6. Apply current federal, state, and local environmental and safety regulations and industry best management practices.

Disabilities Support Statement:

The College is committed to providing reasonable accommodations for students with disabilities. Students are encouraged to schedule an appointment with the campus Disabilities Support Counselor to request an accommodation needed due to a disability. A listing of campus Disabilities Support Counselors and contact information can be found at the [disabilities services - https://www.dtcc.edu/disabilitysupport](https://www.dtcc.edu/disabilitysupport) web page or visit the campus Advising Center.