

<b>Course Number</b>	CE 315
<b>Title</b>	Civil and Environmental Engineering Profession
<b>Credits</b>	1
<b>Prerequisite(s)</b>	Junior standing in CEE
<b>Days/Time</b>	Monday 12:00-1:30 PM
<b>Location</b>	Remote Course
<b>Final Exam period</b>	Thurs., Dec. 10, 2020 1230PM -2:20PM (if needed)

**Course Website** <http://d2l.pdx.edu>

<b>Instructors</b>	<b>Chris Monsere, Ph.D., P.E.</b>
<b>Office</b>	NA for Fall 2020
<b>Phone</b>	503-725-9746
<b>E-mail</b>	monsere@pdx.edu
<b>Office Hours</b>	Tues and Friday - <a href="https://calendly.com/monsere/office-hours">https://calendly.com/monsere/office-hours</a>
<b>Mailbox Location</b>	NA for Fall 2020
<b>Writing Consultant for CE 315</b>	<b>Georgette Dashiell</b> She can be reached at ged@pdx.edu but has very limited hours to respond as she also teaches for University Studies.

**Required Text:** None, articles and other reading as assigned

## Catalog Course Description

Introduction to Civil and Environmental Engineering (CEE) practice in structural, environmental, geotechnical, and transportation engineering. Overview of education, training, research, and employment opportunities for each area of CEE. Engineering registration and ethics.

## Course Objectives

After completing this course, students can demonstrate the ability to:

- Write an effective essay about a current engineering ethics topic (ABET Outcome G, F)
- Understand the ASCE Code of Ethics (ABET Outcome F)
- Understand the process and need for P.E. licensure (ABET Outcome M)
- Describe the need for life-long learning (ABET Outcome I)

## Course Topics and Themes – Schedule To Be Determined

1. Welcome to the CEE Department and Course Overview
2. Introduction to Engineering Ethics
3. Ethics Case Studies and Discussions
4. Panel: Diversity, Equity and Inclusion in Civil and Environmental Engineering
5. The Path to Becoming a Professional Engineer, Professionalism, and Body of Knowledge
6. Career Services in MCECS
7. Guest Speaker: Three Myths about Writing in Civil and Environmental Engineering
8. Professional Society Panel: How to Get Involved and Stay Engaged
9. Alumni Panel: Things I Wish I Knew as a Junior in CE315: Early Career Options and Issues
10. Guest Speakers: Perspectives on Engineering Careers in the Private and Public Sector
11. Faculty Panel: Undergraduate Involvement in PSU CEE Research Programs

## Course Grading

The primary assignment in this course is an ethics essay paper. In the past, the topic is provided by ASCE for the Daniel W. Mead Contest. However, this year I have created my own essay theme question(s). A sample of the best CEE papers is posted: <https://www.pdx.edu/cee/annual-best-ethics-essay-in-cee>. PSU CEE has been very successful in the contest and has placed nationally in the contest:

- 2018 1<sup>st</sup> place PNW Region, Katherine Keeling, CEE
- 2014 4th place Tyler Williams, CEE
- 2011 4th place Chad Norvell, CEE
- 2006 1st place Benjamin Wiley, CEE
- 2005 1st place Zone IV Gita Dombrowski, CEE

All materials distributed or presented in class by the instructor will be posted on the D2L learning site. If guest lecturers give permission, I will also post their material.

The traditional scale will be used and the assignments have the following weights:

>= 93	=	A
90.00% – 92.99%	=	A-
87.00% – 89.99%	=	B+
83.00% – 86.99%	=	B
80.00% – 82.99%	=	B-
77.00% – 79.99%	=	C+
73.00% – 76.99%	=	C
70.00% – 72.99%	=	C-
67.00% – 69.99%	=	D+
63.00% – 66.99%	=	D
60.00% – 62.99%	=	D-
0.00% – 59.99%	=	F

Assignment	Percent of Total Grade
Introductory Letter	5
Essay Prompt	10
Draft Essay	25
Final Ethics Essay	50
Ethics Mini Exam	10

Incompletes: A grade of “I” is granted by the instructor only with prior approval and consent. Criteria are outlined in the PSU Bulletin.

Faculty Senate has approved continuation of the optional P/NP grading. CEE has extended this option to all CEE and EAS courses. See the Registrar’s page for deadlines and instructions.

## Remote Scheduled Class

The Zoom class session will be recorded so you can review the lectures. However, you are encouraged to attend as many of the remote sessions live so that you can ask questions and participate in any activities are done in the remote class. All recordings are kept and stored by PSU, in accordance with the Acceptable Use Policy and FERPA. I will not share recordings of your class activities outside of course participants, which include your fellow students, TAs/GAs/Mentors, and any guest faculty or community-based learning partners that we may engage with. You may not share recordings outside of this course. Doing so may result in disciplinary action.

## Essay-Related Assignments

Turn in a single PDF to the D2L Assignment Submission Folder by 11:30 PM Pacific Time on the due date. No assignments will be accepted after the due date and time - a grade of zero (0) will be assigned. Exceptions to this late assignment policy can be made at the discretion of the instructor if extenuating circumstances warrant consideration.

### Essay (85% total of grade)

Assignment	Due	Returned
Essay Prompt	10/12	10/19
Essay Draft	11/2	11/30
Final Essay	12/4	

## Ethics and Professionalism

As future professional engineers you should plan to take the FE Exam (<http://ncees.org/exams/fe-exam/>) and you should be familiar with the ASCE Code of Ethics (<http://www.asce.org/code-of-ethics/>) which includes the following:

***Engineers shall act in such a manner as to uphold and enhance the honor, integrity and dignity of the engineering profession.***

The PSU Student Conduct Code prohibits all forms of academic cheating, fraud, and dishonesty. Further details can be found in the PSU Bulletin or at <http://www.pdx.edu/dos/codeofconduct>.

Allegations of academic dishonesty may be addressed by the instructor, and/or may be referred to The Office of Dean of Student Life for action. Acts of academic dishonesty may result in a failing grade on the exam or assignment for which the dishonesty occurred, disciplinary probation, suspension or dismissal from the University. The students and the instructor will work together to establish optimal conditions for honorable academic work. Questions about academic honesty may be directed to the Office of The Dean of Student Life ([www.pdx.edu/dos/contact](http://www.pdx.edu/dos/contact)).

## Fragrance-Free Value Statement

Because many students, faculty, and staff within the PSU community have strong allergies to fragranced care products (such as colognes, perfumes, lotions, and hair products), the University has a campus-wide fragrance-free value statement: <https://www.pdx.edu/hr/fragrance-free-value-statement>

## Computer and E-mail Accounts

Engineering students should have 2 computer accounts: 1) ODIN (tied to your @pdx.edu email account) and 2) CECS computer/login account. A CECS account is required to login to all computers in the Engineering Building. Go to the CAT in FAB 82 to activate your CECS account. Be sure to do so before you will need it for class or homework. If you need help with your CECS account, e-mail: [support@cecs.pdx.edu](mailto:support@cecs.pdx.edu).

## Communication from the Department

The Department of Civil and Environmental Engineering communicates with students primarily via e-mail. Please keep in mind that important notices will be sent to your @pdx.edu accounts. We recommend checking this address regularly, or forwarding it to an address you do check frequently. Additionally, you can follow the FB ([Civil and Environmental Engineering at Portland State University](#)) and Twitter (@CEEDeptPDX) relevant to civil and environmental engineering.

## Student Groups and Professional Organizations

Participation in student and professional groups can be a valuable part of your education experience. Membership gives students opportunities to get to know fellow students better, meet and network with professionals, collaborate in solving real engineering problems, learn about internship or job possibilities, socialize and have fun. Your fellow students can be a great source of help and guidance in your academic endeavors. Consider becoming active with a student organization, such as the following (links to student group sites can be found on our website at: <http://www.pdx.edu/cee/student-groups>):

Most professional organizations have monthly meetings and encourage student participation by providing discounts for lunch and dinner meetings. These meetings provide opportunities to network with potential future employers, learn about scholarships, and increasing your technical knowledge. Take a look at these organizations as a starting point:

- American Society of Civil Engineers (ASCE) Oregon Section: [www.asceor.org](http://www.asceor.org)
- Institute of Transportation Engineers (ITE) Oregon Section: [www.oregonite.org](http://www.oregonite.org)
- National Society of Black Engineers, Portland Professionals: <https://www.nsbepropdx.org/>
- Society of Hispanic Professional Engineers (SHPE), Oregon Chapter: <https://shpeoregon.org/index.html>
- Society of Women Engineers (SWE) Columbia River Section - <http://columbiariver.swe.org/>
- Structural Engineers Association of Oregon (SEAO): <http://www.seao.org/>
- *Many more.....*

## Calculators

The Department of Civil and Environmental Engineering requires an FE approved calculator for all core undergraduate courses in CEE. Prices range from \$15 and up. The list of approved calculators may be found at this website: <http://ncees.org/exams/calculator-policy/>

## Course Evaluations

Course evaluations are conducted online and administered by the CEE Department staff. Responses are anonymous. Please provide constructive feedback that is useful to improve the class for future students. Evaluations will run the last 2 weeks of every term. The Department does not release course evaluation results to faculty until after final grades are entered.

## Advising

- MCECS Pathway Advising - <https://www.pdx.edu/advising/engineering-computer-science-math-physics-pathway>
- CEE Advising - CEE Dept. advising at 503.725.4282 or [ceedept@pdx.edu](mailto:ceedept@pdx.edu). Staff available to help you connect with the resources you need.

## Resources

As a PSU student, you have numerous resources at your disposal. Please take advantage of them while you are here. A small sample is listed below:

- CEE Website: <https://www.pdx.edu/civil-environmental-engineering/>
- Portland State University Resources
  - Career Center: <https://www.pdx.edu/careers/>
  - Center for Student Health & Counseling: <https://www.pdx.edu/health-counseling/>
  - The Writing Center: <https://www.pdx.edu/writing-center/>
  - Disability Resource Center: <https://www.pdx.edu/disability-resource-center/> is available to help students with academic accommodations.
  - Diversity & Multicultural Student Services (DMSS) <https://www.pdx.edu/diversity-multicultural-student-services/> provides structured, academic support service, advising, referrals, and advocacy for first-generation college students, low-income and others facing special challenges.
  - The Learning Center's <https://www.pdx.edu/learning-center/> mission is to foster the learning process by empowering PSU students to accomplish their academic and personal goals. In addition to helping with current coursework, academic support services can assist in developing effective learning strategies.

## Library and Literature Research

It is very tempting to think that all necessary resources or information will be available in full text after typing in a few words at Google.com. This is not the case. You will often need to go to the library, use real library search tools and access real books and articles contained in refereed/archival journals. Be sure to make use of the Vikat library catalog. Go to the PSU library home page at <http://library.pdx.edu/>.

## Campus Safety

The University considers student safety paramount. The Campus Public Safety Office is open 24 hours a day to assist with personal safety, crime prevention and security escort services. Call 503-725-4407 for more information. For Campus emergencies call 503-725-4404.

## Title IX

Title IX is a federal law that requires the university to appropriately respond to any concerns of sex/gender discrimination, sexual harassment or sexual violence. To assure students receive support, faculty members are required to report any instances of sexual harassment, sexual violence and/or other forms of prohibited discrimination to PSU's Title IX Coordinator, Julie Caron.

If you would rather share information about these experiences with an employee who does not have these reporting responsibilities and can keep the information confidential, please contact one of the following campus resources ([or visit this link](#)):

- Women's Resource Center (503-725-5672) or schedule on line at <https://psuwrc.youcanbook.me>
- Center for Student Health and Counseling (SHAC): 1880 SW 6th Ave, (503) 725-2800
- Student Legal Services: 1825 SW Broadway, (SMSU) M343, (503) 725-4556

PSU's Title IX Coordinator and Deputy Title IX Coordinators can meet with you to discuss how to address concerns that you may have regarding a Title IX matter or any other form of discrimination or discriminatory harassment. Please note that they cannot keep the information you provide to them confidential but will keep it private and only share it with limited people that have a need to know. You may contact the Title IX Coordinators as follows:

- PSU's Title IX Coordinator: Julie Caron by calling 503-725-4410, via email at [titleixcoordinator@pdx.edu](mailto:titleixcoordinator@pdx.edu) or in person at Richard and Maureen Neuberger Center (RMNC), 1600 SW 4th Ave, Suite 830
- Deputy Title IX Coordinator: Yesenia Gutierrez by calling 503-725-4413, via email at [yesenia.gutierrez.gdi@pdx.edu](mailto:yesenia.gutierrez.gdi@pdx.edu) or in person at RMNC, 1600 SW 4th Ave, Suite 830
- Deputy Title IX Coordinator: Dana Walton-Macaulay by calling 503-725-5651, via email at [dana26@pdx.edu](mailto:dana26@pdx.edu) or in person at Smith Memorial Union, Suite, 1825 SW Broadway, Suite 433

For more information about the applicable regulations please complete the required student module Creating a Safe Campus in your D2L.

### **Final Notes**

- The syllabus is subject to change at the discretion of the instructor as course or other circumstances requires. Students with documented disabilities are encouraged to discuss with me arrangements that will enhance their learning in this class.