COURSE DESCRIPTION: CE 301
Credit Hours: 1
Civil engineering discipline and career paths; ethics and professionalism; written and oral communication; project planning, execution and delivery; effective decision making. Prerequisites: Junior standing in Civil Engineering.

COURSE OBJECTIVE
For students to become familiar with contemporary engineering practices through a field trip to active construction sites and civil engineering design offices, interactive lectures with practicing engineers, and weekly reflections.

PROFESSOR
Professor
Shane Brown, PhD, PE
Office: Owen 306
Email: shane.brown@oregonstate.edu
Office Hours: During course meeting times

COURSE MEETING TIMES AND INFORMATION
Lecture – Monday 4-5 pm

Course Materials on Canvas: https://oregonstate.instructure.com/
Text: None required.

SCHEDULE
Week 1: Course Introduction and Overview
Week 2: Resume and cover letter workshop
Week 3: Field trip to civil engineering construction sites and design offices
Week 4: Engineering leadership
Week 5: Engineering code of ethics
Week 6: Engineering ethics guest lecture
Week 7: Communication in the civil engineering workplace
Week 8: Learning in education and in the workplace
Week 9: Civil engineering documentation
Week 10: What does it mean to be a civil engineer?
**EVALUATION**

Students will be evaluated based on assignments and reports, attendance, and participation during lecture periods.

**Grading Policy:**
- Assignments are to be submitted electronically to the instructor through the Canvas assignment page.
- Late work will not be accepted.
- Students can expect to receive feedback within 7 days of submitting the assignment in Canvas. If circumstances warrant a delay, an email will be sent to all students to change the time for expected feedback.
- Graded assignments will be returned through Canvas.

**Examinations:** There will be no midterm or final examination in this course.

<table>
<thead>
<tr>
<th>Category</th>
<th>Percentage of Grade</th>
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<tbody>
<tr>
<td>Resume and Cover Letter</td>
<td>10%</td>
</tr>
<tr>
<td>Field Trip Participation and Reflection</td>
<td>20%</td>
</tr>
<tr>
<td>Weekly In-Class Quizzes</td>
<td>30%</td>
</tr>
<tr>
<td>Weekly reflections</td>
<td>40%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
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Grades will be awarded based on a strict percentage scale as shown below. The scale may be adjusted up or down by the instructor. Students should NOT compete but should strive for mastery of the subject.

- 93-100% ........................................A
- 77-80% ........................................C+
- 90-93% ........................................A-
- 73-77% ........................................C
- 87-90% ........................................B+
- 70-73% ........................................C-
- 83-87% ........................................B
- 60-70% ........................................D
- 80-83% ........................................B-
- < 60% ........................................F

**DIVERSITY STATEMENT**

The College of Engineering strives to create an affirming climate for all students including underrepresented and marginalized individuals and groups. Diversity encompasses differences in age, color, ethnicity, national origin, gender, physical or mental ability, religion, socioeconomic background, veteran status, sexual orientation, and marginalized groups. We believe diversity is the synergy, connection, acceptance, and mutual learning fostered by the interaction of different human characteristics.

**RELIGIOUS HOLIDAY STATEMENT**

Oregon State University strives to respect all religious practices. If you have religious holidays that are in conflict with any of the requirements of this class, please see me immediately so that we can
make alternative arrangements.

**STATEMENT REGARDING STUDENTS WITH DISABILITIES**
Accommodations are collaborative efforts between students, faculty and Disability Access Services (DAS). Students with accommodations approved through DAS are responsible for contacting the faculty member in charge of the course prior to or during the first week of the term to discuss accommodations. Students who believe they are eligible for accommodations but who have not yet obtained approval through DAS should contact DAS immediately at 541-737-4098.

**STATEMENT OF EXPECTATIONS FOR STUDENT CONDUCT (i.e., cheating policies)**
http://oregonstate.edu/studentconduct/offenses-0

**CLASS ATTENDANCE**
Attendance is mandatory. You are expected to attend every class and participate. If you are unable to attend for a good reason, notify the instructor before that class. If you do miss class, it is your responsibility to find out from another student what was covered and any administrative information presented.

**DISRUPTIVE BEHAVIOR**
While the university is a place where the free exchange of ideas allows for debate and disagreement, all classroom behavior and discourse should reflect the values of respect and civility. Behaviors that are disruptive to the learning environment will not be tolerated. OSU’s policy on disruptive behavior may be found at: http://studentlife.oregonstate.edu/studentconduct/disruptive-behavior

**LEARNING OUTCOMES**

*Course/ABET Learning Outcomes*
(f) An understanding of professional and ethical responsibility
(g) An ability to communicate effectively
(h) The broad education necessary to understand impact of engineering solutions in global, economic, environmental and societal context
(i) A recognition of the need for and ability to engage in lifelong learning
(j) A knowledge of contemporary issues
(l) A knowledge of basic concepts in leadership
(q) An exposure to current industry design practices, construction methods and materials, and overall project delivery considerations