

Clackamas Community College

Online Course/Outline Submission System

Show changes since last approval in red

WET-180 Water & Environmental Projects I

General education certified: Yes No

- Writing
- Oral Communication
- Arts and Letters
- Science & Computer Science
- Mathematics
- Social Science
- Cultural Literacy
- Health & Physical Education

Approved Date (mm/dd/yyyy): / /

Section #1 General Course Information

Department: Engineering Science

Submitter

First Name: **Matthew**

Last Name: **LaForce**

Phone: 3391

Email: kellys

Course Prefix and Number: WET - 180

Credits: 5

Contact hours

Lecture (# of hours):

Lec/lab (# of hours):

Lab (# of hours): 180

Total course hours: 180

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Water & Environmental Projects I

Course Description:

Practical work experience in a municipal industrial treatment, distribution, or collection system. Placement in consulting firms, federal and state regulatory agencies, BLM, BPA, and other regulated governmental organizations.

Type of Course: Career Technical Preparatory

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): Water Quality AAS

Are there prerequisites to this course?

No

Are there corequisites to this course?

Yes

Co-reqs: CWE Seminar

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

Spring

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. describe the operation of all program components observed while interning at the host facility or district,
2. describe the operating procedures for all component programs/equipment being observed,
3. be acquainted with the O&M, laboratory component, pumping systems (as applicable), record keeping, PM program, legal considerations, time and equipment required for successful entry into the job marketplace.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Discuss the municipal, state, federal, and private/corporate environments that provide career opportunities in the area of water and wastewater.
2. Provide general guidelines for working with groups, gender and age discrimination sensitivities, promptness, and refraining from participating in gossip.
3. Compare and contrast management styles, operation size versus number of employees, and proactive versus reactive maintenance methods.
4. Assist students in developing targeted skill packages to make them the most competitive applicants for open positions in their chosen job market.

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency
2. Produce renewable energy
3. Prevent environmental degradation
4. Clean up natural environment
5. Supports green services

Percent of course: 0%

First term to be offered:

:
