

IPOP-2730 3 Credits Applications of Municipal Wastewater Treatment Operations

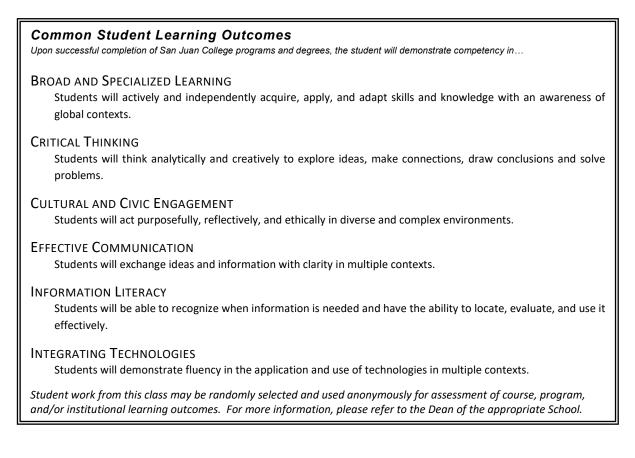
SYLLABUS

CATALOG DESCRIPTION:

This course is an extension of the Municipal Wastewater Treatment Operations class for those students interested in obtaining the hands on skills associated with this field. It includes operating equipment such as pumps, heat exchangers, and instrumentation. Unit startups, normal operations, and safe shutdowns are all covered. Students continue running the water ion exchange unit and the wastewater unit, and add operating the Boiler Turbine Generator unit. Additional water testing is done in the water laboratory.

Prerequisites: Faculty Approval, Math 1170 or higher

Semester Offered: Fall and Spring



Course Learning Outcomes

Upon successful completion of the course, the student will be able to...

1. Operate several modules learning how to start up and shut down equipment safely A copy of this approved syllabus is on file in the dean's office. Updated 2017-05-01

- 2. Conduct laboratory tests to prove efficient operation for different parameters
- 3. Conduct typical laboratory tests for wastewater effluent
- 4. Operate modules or systems assigned in laboratory exercises