

CENTER FOR INNOVATIVE TECHNOLOGIES
MASTER COURSE DOCUMENT

EVT 210 Industrial Waste Treatment

Course Description: A course on the responsibilities of the industrial wastewater treatment plant operator. Topics include: the activated sludge process, physical-chemical treatment, instrumentation, industrial waste monitoring, waste treatment processes, and maintenance.

Prerequisites(s): EVT 170

Corequisite(s): No corequisite

Lecture Hours: 1	Lab Hours: 2	Credit Hours: 2
Lab Fee: 70	Supplemental Fee: 0	Purpose:
<input type="checkbox"/> Transfer Assurance Guide Course (TAG)	<input type="checkbox"/> Transfer Module Course (TM)	
Course Format: Lec/Lab		Grading: A/B/C/D/F/I
Delivery Method: <input type="checkbox"/> Web <input type="checkbox"/> Hybrid <input checked="" type="checkbox"/> Classroom		
Semesters Offered: <input type="checkbox"/> Fall <input checked="" type="checkbox"/> Spring <input type="checkbox"/> Summer		

Course Primary Text:

Title: Industrial Waste Treatment VOL. 1 & 2	Edition: 3rd
Author(s):	
Publisher: CSUFO	

Supplemental Materials:

Handouts

Course Outcomes:

1	f. An ability to apply written, oral, and graphical communication in both technical and non-technical environments; and an ability to identify and use appropriate technical literature
2	e. An ability to identify, analyze, and solve narrowly defined engineering technology problems
3	An ability to apply the knowledge, techniques, skills, and modern tools of the discipline to narrowly defined engineering technology activities
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Course Topics:

Week 1	XIntroduction to Industrial Wastewater Treatment
Week 2	Activated Sludge Process
Week 3	Physical-Chemical Treatment
Week 4	Physical-Chemical Treatment
Week 5	Test #1
Week 6	Instrumentation
Week 7	Industrial Wastewater Monitoring
Week 8	Industrial Wastewater Monitoring
Week 9	Permit Requirements
Week 10	Test #2
Week 11	Advanced Treatment Processes
Week 12	Advanced Treatment Processes
Week 13	Solids Handling
Week 14	Process Control and System Maintenance
Week 15	Final

Methods of Evaluation/Assessment

☐ Formative: ☒ Summative

List assessment activities (e.g. quizzes, discussions, essays, research papers, debates, oral presentations, exams):

Homework
Quizzes
Exams

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Course Keeper: Dr. Ann Gunkel

Date Completed: 4/16/19