

V. STUDENT REQUIREMENTS:

- Students are required to attend all classes, and any scheduled plant visitations.
- The Minimum attendance is 106 class hours, any less will result in an incomplete and no certificate will be issued.
- **The student is responsible for knowing all materials covered during any absence.**
- The student is required to complete all assigned reading and writing assignments.
- During this course, there will be four quizzes and one final exam.
- Exams will be given at assigned class start times.
- The time limit for chapter quizzes is one hour.
- The time limit for the final exam is two and one half hours.

VII. GRADING POLICY:

- Each student's final course average will be weighted as follows: Quizzes 10 %; Final Exam 90%
- A minimum grade of 70 on the final is required to pass the class and receive a certificate of completion.
- Scoring Range:
A: 90 – 100 B: 80 – 89 C: 70 -79 D: 60 – 69 F: Below 60

VIII. REQUIRED COURSE MATERIALS:

"Advanced Waste Treatment (A Field Study Training Program)"; Fifth Edition. Office of Water Programs, College of Engineering and Computer Science, California State University, Sacramento

"Utility Management (A Field Study Program)"; Office of Water Programs, College of Engineering and Computer Science, California State University, Sacramento

VIV. ADDITIONAL RESOURCES:

"Operation of Wastewater Treatment Plants (A Field Study Training Program)"; Volume 1, Seventh Edition. Office of Programs, College of Engineering and Computer Science, California State University, Sacramento

"Operation of Wastewater Treatment Plants (A Field Study Training Program)"; Volume 2, Seventh Edition. Office of Water Programs, College of Engineering and Computer Science, California State University, Sacramento

"Operation and Maintenance of Wastewater Collection Systems (A Field Study Training Program)"; Volume 1, Office of Water Programs, College of Engineering and Computer Science, California State University, Sacramento

"Operation and Maintenance of Wastewater Collection Systems (A Field Study Training Program)"; Volume 2, Office of Water Programs, College of Engineering and Computer Science, California State University, Sacramento.

The Florida Department of Environmental Protection Web site for Rules and Regulations. [Florida DEP Water Resource Management Rules by Program](http://www.dep.state.fl.us/water/rulesprog.htm#ww) <http://www.dep.state.fl.us/water/rulesprog.htm#ww>

X. COURSE SCHEDULE:

Class Day	Topic	Required Reading
Day 1	Odor Control	Advanced Waste Treatment Chapter 1
Day 2	Activated Sludge (Pure Oxygen Plants and Operational Control Devices)	Chapter 2
Day 3	Residuals Solids Management	Chapter 3
Day 4	Quiz / Solids Removal From Secondary Effluents	Chapters 1-3 / Chapter 4
Day 5	Phosphorus Removal	Chapter 5
Day 6	Phosphorus Removal / Nitrogen Removal	Chapter 5 / Chapter 6
Day 7	Nitrogen Removal	Chapter 6
Day 8	Plant Visit	TBA
Day 9	Quiz / Enhanced Biological (Nutrient) Control	Chapters 4-6 / Chapter 7
Day 10	Enhanced Biological (Nutrient) Control	Chapter 7
Day 11	Wastewater Reclamation and Reuse	Chapter 8
Day 12	Wastewater Reclamation and Reuse	Chapter 8
Day 13	Instrumentation and Control Systems	Chapter 9
Day 14	Instrumentation and Control Systems	Chapter 9
Day 15	Plant Visit	TBA
Day 16	Quiz/ Treatment Plant Math	Chapters 7-9 / Handout
Day 17	Plant Trouble Shooting	Handout
Day 18	DEP Rules and Regulations	Handout
Day 19	DEP Rules and Regulations	Handout
Day 20	Plant Supervision	Utility Management , Chapters 1-4
Day 21	Plant Supervision	Utility Management , Chapters 5-9
Day 22	Plant Supervision	Utility Management , Chapters 10-14
Day 23	Quiz / Course Review	Treatment Plant Math, Trouble Shooting, Utility Management 1-14
Class Day	Topic	Required Reading

Day 24	Course Review	Chapters 1-9, all covered materials
Day 25	Course Review	Chapters 1-9, all covered materials
Day 26	Course Review	Chapters 1-9, all covered materials
Day 27	Final Exam	Chapters 1-9, all covered materials