

**IVC Course Syllabus
Water Distribution Systems WT140
Spring 2013**

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Course Code/CRN: WT 140 / 20282

Units: 4.0

Room: 1308 / Building 1300 (Thursdays 5:50pm ~ 10:10pm)

Textbook: **Water Distribution System Operation and Maintenance**
5th Edition, by Kenneth Kerri
California State University Sacramento
Ph. : (916) 278 - 6142 Fax # : (916) 278 - 5959
ISBN : 1-59371-020-8
Website : www.owp.csus.edu

Course Description: This course is designed to provide operators with the necessary skills required for the proper installation, maintenance, repair, and management of water distribution systems.

Required Material(s): Notebook, pen and pencil with eraser, calculator with at least 9 digits capability not programmable, solar power recommended. **Cell phones will not be allowed as calculator. No Red Pens or Pencils.**

Prerequisite: Non required. Suggested WT 120 Computational Procedures for Treatment Plant Operator I.

Course Objectives: The objective of this course is to train Water Distribution Systems Operators in the safe and effective operation, maintenance and monitoring of water distribution systems, including clear wells and storage tanks. Furthermore, instruction in how to maintain water quality throughout the distribution system and how to recognize hazards and develop safe working procedures and safety programs. Origination and preservation of preventive maintenance programs and all records related to the system (i.e.) inspections, repairs, monitoring, sampling and equipment. Effectively managing a water distribution system and proper handling of public complaints to sustain positive public relations will also be covered. Also, to obtain knowledge necessary to pass state distribution operator certification exams up to journeymen level (grade 2).

Exam and Grade Policy: Exam grade scale is strictly base on score percentage. No partial credit will be given for math. All work must be shown for credit. Grade scale is as follows:

100-90% - A
89-80% - B
79-70% - C
69-60% - D
59% or less- F

Final grade shall consist of:

Attendance & Class Participation	-	25%
Chapter exams	-	25%
SLO Assignment	-	25%
Final Exam	-	25%
		100%

Attendance: Roll call will be conducted during the first five minutes of class. This course adheres to college attendance and drop policies. Regular attendance and class participation is expected. Tardiness is considered negligence and is strongly discouraged. Only three absences excused or unexcused will be allowed during the semester. Students will not be dropped from the class. **Students are responsible for dropping classes.**

Failure to drop the class will result in an F for the semester.

Field Trips: If any, they will be scheduled as needed. Great efforts by the Institution and instructors are involved and your attendance is expected.

Classroom Policy: You are strongly advised to be present for all exams. Make up test, unless due to special circumstances, will not be granted. Cheating on an exam will result as an F score for that exam. Cheating on the final will result as an F for the semester. Food and drinks will not be allowed in the classroom, only bottled water. Cellular phones and pagers are to put on silent mode or turned off during class. This syllabus **may be modified** at the instructor's discretion as necessary to meet the needs of the course.

Spring 2013 Semester Calendar:	
* January 17, 2013	Introduction, objectives, and course overview.
* January 24, 2013	Chapters 1 and 2 lecture/discussion. Math introduction.
* January 31, 2013	Chapters 1 and 2 review and exam.
* February 7, 2013	Chapter 3 lecture/discussion.
* February 14, 2013	Chapter 3 math and exam.
* February 21, 2013	Chapter 4 lecture/discussion.
* February 28, 2013	Chapter 4 math and exam.
* March 2, 2013	Tour to El Centro Water Treatment Plant.
* March 7, 2013	Chapter 5 lecture/discussion and math.
* March 14, 2013	Chapter 5 exam. Chapter 6 math.
* March 21, 2013	Chapter 6 lecture/discussion.
* March 28, 2013	Chapter 6 exam and video. SLO assignment.
* April 4, 2013	Spring break. No classes scheduled.
* April 11, 2013	Chapter 7 lecture/discussion and video.
* April 18, 2013	Chapter 7 exam. Chapter 8 lecture/discussion.
* April 25, 2013	Chapter 8 exam and video.
* May 2, 2013	Math review chapters 1~ 8.
* May 9, 2013	Final Exam.

Another recommended textbook(s):

- * **Water Distribution Operator Training Handbook. Harry Von Huben. AWWA.**
- * **Operator Certification Study Guide. Fifth Edition. AWWA.**

Web site to verify: <http://www.cdph.ca.gov/certlic/occupations/Pages/DWopcert.aspx>

Any student with a documented disability who may need educational accommodations should notify the instructor or the Disabled Student Programs and Services (DSP&S) office as soon as possible.

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DSP&S

Room 2117

Health Sciences Building

(760) 355-6312