



# Wayne County Community College District

## COURSE SYLLABUS

### WET 224 Water/Waste Water Utility Equipment Maintenance

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**CREDIT HOURS:** 2.00

**CONTACT HOURS:** 30.00

**COURSE DESCRIPTION:**

The course is intended to introduce students to the fundamental issues in water environment technology. It lays the ground work for further study and the development of the skills required to treat water, as part of the framework needed to maintain a clean and healthy water environment. As skilled component of the overall program, it adds to the multi-disciplinary aspect of water/wastewater treatment, by exposing student to mechanical issues in the maintenance of equipment. The focus on equipment troubleshooting and preventive maintenance is an introductory step in the matter of treatment efficiency.

**PREREQUISITES:**

None

**EXPECTED COMPETENCIES:**

Upon completion of this course, the student will be familiar with:

1. Knowledge of the instruments and equipment used in water/wastewater treatment
2. Knowledge of troubleshooting procedures
3. Ability to provide descriptions/instructions for equipment repair
4. Ability to provide descriptions/instructions for procurement of equipment.

**ASSESSMENT METHODS:**

Student performance may be assessed by examination, quizzes, case studies, oral conversation, group discussion, oral presentations. The instructor reserves the option to employ one or more of these assessment methods during the course.

**GRADING SCALE:**

90%-100% = A  
80%-89.9%= B  
70%-79.9%= C  
60%-69.9%= D  
<60% = E