



Wayne County Community College District

COURSE SYLLABUS

WET 102 Waste Water Treatment Technologies

CREDIT HOURS: 3.00

CONTACT HOURS: 45.00

COURSE DESCRIPTION:

This course will provide an introduction to the cause of water pollution, the reason for treating polluted waters and the fundamentals of wastewater treatment. Students will study the basic principles of treatment plant operation and the processes commonly used in pollution control facilities.

PREREQUISITES: *NONE*

EXPECTED COMPETENCIES:

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

1. Understanding the general history of water quality and its impact on human health, environmental health, aquatic life, wildlife and economic health.
2. Understanding the basics of environmental laws, statutes and regulations that govern water quality.
3. Understanding the basics of occupational health and safety standards and associated regulatory requirements.
4. Understanding the basics of hydraulics, water pollution, sanitary sewers, stormwater management, wastewater treatment and disposal, hazardous waste management, safety and project management.

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