



Wayne County Community College District

COURSE SYLLABUS

FPT 185 Fire Protection Hydraulics and Water Supply

CREDIT HOURS: 3.00

CONTACT HOURS: 45.00

COURSE DESCRIPTION:

This course provides a foundation of theoretical knowledge in order to understand the principles of the use of water in fire protection and to apply hydraulic principles to analyze and to solve water supply problems.

PREREQUISITES: MAT 113

EXPECTED COMPETENCIES:

Upon completion of this course, the student will:

1. Apply the application of mathematics and physics to the movement of water in fire suppression activities.
2. Comprehend the design principles of fire service pumping apparatus.
3. Analyze community fire flow demand criteria,
4. Demonstrate, through problem solving, a thorough understanding of the principles of forces that affect water at rest and in motion.

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