

FIP 232
HYDRAULICS AND WATER DISTRIBUTION

COURSE DESCRIPTION:

Prerequisites: None

Corequisites: None

This course covers the flow of fluids through fire hoses, nozzles, appliances, pumps, standpipes, water mains, and other devices. Emphasis is on supply and delivery systems, fire flow testing, hydraulic calculations, and other related topics. Upon completion, students should be able to perform hydraulic calculations, con

- III. Hydrokinetics
 - a. Kinetic Energy
 - b.

- c. Water supply requirements for automatic sprinkler systems
- d. Hydraulically designed water-based extinguishing systems

XII. Hydraulic calculations of automatic sprinkler systems

- a. Basic steps for Hydraulic calculations
- b. Calculations considering the impact of velocity pressures
- c. Gridded designs and computer assistance

REQUIRED TEXTBOOK AND MATERIALS:

Textbooks to be selected by instructor.

STATEMENT FOR STUDENTS WITH DISABILITIES:

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