

FIRE 2601 - Fire Service Hydraulics

Fall 2026 Syllabus, Section 01, CRN 43350,

Credit hours: 3

Instructor

Carl DeCarlo

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Michael Gulya

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Public Instructor Information

Instructor Title: Prof. Gulya

Instructor Professional Qualifications: BS in Fire Science; 5 years of experience as a college instructor; and over 10 years of experience as a fire fighter

Instructor Office Location: Virtual office hours

Instructor Office Phone: 330-941-3279

Instructor Title: Prof. DeCarlo

Instructor Professional Qualifications: EdD in Organizational Education; over 2 decades of college teaching experience; and former fire chief

Instructor Office Location: Virtual office hours

Instructor Office Phone: 330-941-3279

Course Description

2601. Fire Service Hydraulics. This course lays out a foundation of knowledge, both theoretical and practical, in order for the student to understand the principles of the use of water in fire suppression and the knowledge to apply hydraulic principles to analyze and solve water supply dilemmas. Prereq.: FIRE 1520. 3 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Introduction to Fire and Emergency Services (6th edition)	Klinoff	978-1284180152

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
10/19	Klinoff chapters 1 and 2		Discussion, writing assignment, and Quizzes
10/26	Klinoff chapters 3 and 4		Discussion and Quizzes
11/2	Klinoff chapters 5, 6, and 7		Discussion, Journal, and Quizzes
11/9	Klinoff chapters 8 and 9		Discussion and Quizzes
11/16	Klinoff chapters 10, 11, and 12		Discussion, Journal, and Quizzes
11/23	Klinoff chapters 13 and 15		Discussion and Quizzes
11/30	Klinoff chapter 14	Conclusions and Reflections	Journal, Final Project, and Quiz

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.