

FIRE-234-ADVANCED PUMPING APPARATUS DRIVER/OPERATOR 2 CREDITS

SYLLABUS

CATALOG DESCRIPTION

Students will continue where FIRE 242 left off learning advanced principles and skills of driving and operating fire department pumper apparatus. Students will learn pump and friction calculations and be able to put them into practical use. This course is taught according to NFPA standard 1002.

Prerequisites: FIRE-232

Semester Offered: As Needed

Common Student Learning Outcomes

Upon successful completion of San Juan College programs and degrees, the student will demonstrate competency in...

BROAD AND SPECIALIZED LEARNING

Students will actively and independently acquire, apply, and adapt skills and knowledge with an awareness of global contexts.

CRITICAL THINKING

Students will think analytically and creatively to explore ideas, make connections, draw conclusions and solve problems.

CULTURAL AND CIVIC ENGAGEMENT

Students will act purposefully, reflectively, and ethically in diverse and complex environments.

EFFECTIVE COMMUNICATION

Students will exchange ideas and information with clarity in multiple contexts.

INFORMATION LITERACY

Students will be able to recognize when information is needed and have the ability to locate, evaluate, and use it effectively.

INTEGRATING TECHNOLOGIES

Students will demonstrate fluency in the application and use of technologies in multiple contexts.

Student work from this class may be randomly selected and used anonymously for assessment of course, program, and/or institutional learning outcomes. For more information, please refer to the Dean of the appropriate School.

Course Learning Outcomes

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

1. Understand the need for hydraulic calculations.
2. Understand critical need for safe vehicle operations.
3. Understand importance of mastery of pump operations.

Specific Learning Outcomes

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

1. Define the responsibilities of the pumping apparatus driver operator as they relate to inspection and maintenance.
2. Perform proper vehicle operation.
3. Perform proper vehicle positioning.
4. Demonstrate competency in inspecting.
5. Demonstrate competency in driving.
6. Demonstrate competency in operating and maintaining fire department pumping apparatus as outlined in NFPA 1002.
7. Perform hydraulic calculations for various scenarios.