

**Western Dakota Technical Institute
800 Mickelson Drive
Rapid City, SD 57703-4018**

Master Syllabus

Course Number: FFT 150
Course Title: Pumping Apparatus Driver-Operator
Credits: 3
Contact hours: 2 Lecture; 2 Lab

Course Description: This course details the important responsibilities of firefighters who are assigned to drive and operate a fire department vehicle that is equipped with a fire pump. It acquaints the student with the evolution of fire apparatus and provides an understanding of the uses for different pieces of fire-fighting vehicles and their characteristics. The various types of fire pumps and the ability to perform fireground hydraulic calculations will be emphasized.

Prerequisites: None

Text: <http://bookstore.wdt.edu>

Materials: Uniform as prescribed by fire science staff

Student Learning Outcomes:

- Understand various types of fire apparatus and fire pumps while recognizing the advantages and limitations of the various fire apparatus
- Operate various types of fire apparatus in an effective manner
- Identify the proper positioning of fire apparatus at emergency scenes
- Understand the characteristics of water in relation to fire suppression techniques
- Demonstrate proper fire streams while performing complex fireground hydraulic calculations

Assessment: The Core Ability of employability will be assessed throughout this course.

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