



Fire Science Program

FFP 1301 – Fire Hydraulics

Instructor: Tim Valentine, Ref. # 160633

COURSE DESCRIPTION:

An overview of fire characteristics, properties of water, apparatus and appliances. Emphasis on developing proper fire streams using hydraulic calculations (theoretical and practical). Also covers drafting of water, velocity and discharge, friction loss, engine and nozzle pressure, pressure losses, municipal water supplies, standpipes and sprinklers, flow and pump testing and applications in fire science.

COURSE DATES: February 20, 21, 22, 23, 24, 2011 (8:30 AM – 5:30 PM)

COURSE LOCATION: Palm Beach State College Fire Academy
SCB-148 [Directions](#)

COURSE COST: \$288.00 plus books and applicable fees
***As with any other fees, the fees are subject to change pending any State Legislative action and/or Board approval.**

TEXTBOOKS: *Pumping Apparatus Driver/Operator Handbook, 2nd Ed.*
ISBN 0-13-502140-5
Pumping Apparatus Driver/Operator Study Guide
ISBN 0-13-5021790
Palm Beach State College Fire Academy Hydraulics & Apparatus Study Guide issued first day of class.

CREDIT HOURS: 3 credit hours total

This course is an approved elective for an A.S. Degree in Fire Science Technology. This is the first required class for Apparatus Operator Certification.

REGISTRATION: On line at <http://www.palmbeachstate.edu/x1280.xml> or at any Palm Beach State College campus.*

*Class Maximum Enrollment 24

Please visit the Fire Program web site at <http://www.palmbeachstate.edu/x1256.xml>. For more information call Fire Science/Emergency Management Program Office at 561-868-3773. For registration information call 561-868-3300.