COURSE TITLE:Water Supply & HydraulicsINSTRUCTOR:Adam KeropSEMESTER:CONTACT INFO:(860) 625-0179E-MAIL:CLASS HOURS:3LAB HOURS:REQUIRED TEXT:Fire Department Hydraulics 3rd Ed.AUTHOR:Mahoney/Hannig

COURSE NO:FTA K210SpringYEAR:2015kerop@sbcglobal.net0CREDIT HOURS:3

OBJECTIVES:

This course covers the basic properties of incompressible fluids, static and velocity pressures, and flow through orifices. Bernoulli's Theorem, Venturi principle, flow of water in pipes, Reynolds number, Hazen-Williams formula, head calculations, water distribution systems, and pumping problems constitute key subject areas.

GRADING:

- 1) 3 Exams
- 2) Weekly Homework Assignments

EXAM/ASSIGNMENT COMPLETION: I reserve the right to deduct 10% from the possible points that you may receive for an assignment/exam, for each class session that an assignment or exam is late, up to three class sessions. After three class sessions, I will record a zero (0) for that assignment/exam, unless you have made previous arrangements with me and only in exceptional circumstances. All assignments must be submitted by the end of the last class.

SPECIAL NOTE(S):

- 1) Attendance Policy All absences must be approved and known of before class begins. Extenuating circumstances are the only exception.
- 2) No Class Dates: 3/16

Week 1

- Week's Objectives
 - Course Introduction
 - Chapter 1
- Individual Assignments
 - Chapter 1 Review Questions
 - Read Chapter 2,3

Week 2

- Week's Objectives
 - Chapter 2,3
- Individual Assignments
 - Chapter 2 Review Questions
 - Read Chapter 4

Week 3

- Week's Objectives
- Chapter 3,4
- Individual Assignments
 - Exam 1 (Chapters 1, 2, 3, 4)
 - o Read Chapter 5

Week 4

- Week's Objectives
 - o Turn in Exam 1
 - Chapter 5
- Individual Assignments
 - Chapter 5 Review Questions
 - Read Chapter 6

Week 5

Week's Objectives

- Chapter 6
- Individual Assignments
 - Chapter 6 Review Questions
 - Read Chapter 7

Week 6

Week's Objectives

• Chapter 7

- Individual Assignments
 - Exam 2 (Chapters 5,6,7)
 Read Chapter 8
- Week 7
- Week's Objectives
 - Hand in Exam 2
 - Chapter 8
- Individual Assignments
 - Chapter 8 Review Questions
 - Read Chapter 9

Week 8

Week's Objectives

Chapter 8

Individual Assignments

Chapter 8 Review Questions

Read Chapter 9

<u>Week 9</u>

Week's Objectives

Chapter 9

Individual Assignments

- Chapter 9 Review Questions
- Read Chapter 10

Week 10

- Week's Objectives
 - Chapter 10
- Individual Assignments
 - Chapter 10 Practical Problems
 - Read Chapter 11

Week 11

Week's Objectives • Chapter 11 Individual Assignments • Exam 3 (8,9,10,11)

Week 12

Week's Objectives

O Turn in Exam 3