Date Prepared: Spring 2001
Date Reviewed: Spring 2007
Date Reviewed:_____
PCA Established:_____

ALLAN HANCOCK COLLEGE
COURSE OUTLINE

DEPARTMENT: **Public Safety**

PREFIX & NO.: FT 343

CATALOG TITLE: Pump Theory

SCHEDULE TITLE: Pump Theory

UNITS: .5

TOTAL LECTURE HOURS: 8

TOTAL NUMBER OF WEEKS: (if other than 16) 1 week

GRADING OPTION: Letter Grade Only

PREREQUISITE: None

CATALOG DESCRIPTION

Training courses focusing on specialized fire technology topics. Topics will be identifies on a periodic basis in conjunction with employment or program/discipline needs.

SCHEDULE DESCRIPTION

Explores theory and workings of different types of fire pumps. Topics include positive displacement, centrifugal, and varieties of pump impellers.

COURSE GOALS To encourage and enable students to:

1. become familiar with advances in fire technology theories.
2. develop awareness of changing social and environmental influences on fire technology strategies.
3. become skilled at applying fire technology strategies toward the managing of field situations.

INSTRUCTIONAL OBJECTIVES At the end of the course, the student will demonstrate the ability to:

1. analyze specific field situations which will vary.
2. where appropriate, perform course-taught performance skills.

COURSE OUTLINE

	Hours
1. Introduction	.5
2. Fire pump history	1
3. Pump theory	1
4. Different type pumps	1
5. Pump construction	1.5
6. Pump testing ISO	1

7. Pump operation on the fire ground 1
8. Review and test 1

APPROPRIATE READINGS (other than textbook)
None

ASSIGNMENTS
1. Operate individual fire department apparatus using class provides pump procedures.
2. Read class handouts as provided.

EVALUATION
1. Written exam.
2. Class participation

Sample: Describe the operation of a centrifugal fire pump?

TEXTS AND SUPPLIES
Adopted Text: None

Other Materials: Prepared handouts