

## **ENFP101 Introduction to Fire Protection Engineering**

*Credits:* One (1)

*Contact hours:* One lectures per week, 50 minutes each

*Table 5-1 category:* N/A

*Instructor:* Milke

*Textbook:* None

*Other supplemental materials:* None

### *Catalog description:*

This course will introduce students to the impact of fire on people, property and the environment and methods to mitigate the threat of fire. Student teams will apply the principles of fire behavior and fire safety systems covered in the first half of the course to design, build and test a fire safe, small-scale apartment. A final experiment will be conducted to provide an assessment of the complete designs of each team.

### *Prerequisites and Corequisites:*

Prerequisite: None.

*Table 5-1 Course Type:* Optional

### *Specific outcomes of instruction:*

The students will learn about basic fire protection engineering principles and implement those in a hands-on project in the laboratory.

*Student outcomes assessed:* N/A

*Brief list of topics covered:* introduction to fire protection engineering, fire behavior, fire detection, fire suppression, fire modeling and life safety.