

# COURSE DETAIL

## FIRE SAFETY ENGINEERING 3

**Country**

United Kingdom - Scotland

**Host Institution**

University of Edinburgh

**Program(s)**

University of Edinburgh

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Civil Engineering

**UCEAP Course Number**

107

**UCEAP Course Suffix****UCEAP Official Title**

FIRE SAFETY ENGINEERING 3

**UCEAP Transcript Title**

FIRE SAFETY ENGR 3

**UCEAP Quarter Units**

4.00

**UCEAP Semester Units**

2.70

## Course Description

This course provides the basic knowledge required to study fire safety engineering. This includes basic tools related to fluid mechanics, heat transfer, and combustion. The core of the course provides a general overview of the discipline including fire science, fire safety, and fire protection systems. The course specifically covers aspects related to fire science and their application in the design of the built environment. The course starts with an overview of the fire problem, describes the tools that the engineer has to design fire safe infrastructure, and develops the fundamentals of fire science which underpin this practice. The course covers materials and their reaction to fire, structural fire engineering, and fire testing.

## Language(s) of Instruction

English

## Host Institution Course Number

CIVE09023

## Host Institution Course Title

FIRE SAFETY ENGINEERING 3

## Host Institution Campus

Edinburgh

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Civil Engineering

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