

# COURSE DETAIL

## ENGINEERING SOFTWARE 3

**Country**

United Kingdom - Scotland

**Host Institution**

University of Edinburgh

**Program(s)**

University of Edinburgh

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Electrical Engineering

**UCEAP Course Number**

116

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

ENGINEERING SOFTWARE 3

**UCEAP Transcript Title**

ENGR SOFTWARE 3

**UCEAP Quarter Units**

4.00

**UCEAP Semester Units**

2.70

## Course Description

The course is a study of imperative stored program control architecture and application in an embedded environment. An initial series of exercises teaching principles and techniques is followed by two application project phases. The students use C programming language as an example only to program an embedded processor built on a high performance Field Programmable Gate Array (FPGA) platform. There is no need for prior knowledge of the C language as students are provided with pre-built modules and guidelines for integration.

### Language(s) of Instruction

English

### Host Institution Course Number

ELEE09016

### Host Institution Course Title

ENGINEERING SOFTWARE 3

### Host Institution Campus

Edinburgh

### Host Institution Faculty

School of Engineering

### Host Institution Degree

### Host Institution Department

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