

# COURSE DETAIL

## INTRODUCTION TO COMPUTER SYSTEMS

**Country**

New Zealand

**Host Institution**

University of Auckland

**Program(s)**

University of Auckland

**UCEAP Course Level**

Lower Division

**UCEAP Subject Area(s)**

Computer Science

**UCEAP Course Number**

10

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

INTRODUCTION TO COMPUTER SYSTEMS

**UCEAP Transcript Title**

COMPUTER SYSTEMS

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

Modern computers are both complicated and fast. This course explains how computers work and some of their uses. In order to understand computers the course gradually examines a series of layers, each one built on the layer beneath starting with looking at how data can be represented in binary, then seeing how we can make machines which can transform that data using simple circuits. Once we can control those circuits with instructions we have the basis for programming languages. The course extends the idea of a computer to how we connect computers together in networks such as the internet and we also touch on some research areas in Computer Science such as Artificial Intelligence and Computer Graphics.

## Language(s) of Instruction

English

## Host Institution Course Number

COMPSCI 110

## Host Institution Course Title

INTRODUCTION TO COMPUTER SYSTEMS

## Host Institution Campus

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Computer Science

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