

## **2020/1 - CMP-4014Y ECONOMICS FOR ACTUARIES**

Full Year, Level 4 module  
(Maximum 50 Students)

UCU: 20                                      Organiser: Dr Antony Jackson

(UG) MODULE - 40% PASS ON AGGREGATE

Module Type: Examination with Coursework or Project

Timetable Slot:A2

Exam Paper(hrs):3

By taking this module you will learn an introduction to core economic theory and principles in a business context. You will learn about both basic microeconomic and macroeconomic theory which will ensure you gain the ability to understand and analyse current economic issues with relevance for business.

## **2020/1 - CMP-5014Y DATA STRUCTURES AND ALGORITHMS**

Full Year, Level 5 module  
(Maximum 200 Students)

UCU: 20                                      Organiser: Professor Tony Bagnall

(UG) MODULE - 40% PASS ON AGGREGATE

Module Type: Examination with Coursework or Project

Timetable Slot:H2, G2\+|G2/-B2

Exam Paper(hrs):2                      Exam Period:SPR-02

BEFORE TAKING THIS MODULE YOU MUST TAKE CMP-4008Y OR TAKE CMP-4009B

WHILE TAKING THIS MODULE YOU MUST TAKE CMP-5015Y

The purpose of this module is to give the student a solid grounding in the design, analysis and implementation of algorithms, and in the efficient implementation of a wide range of important data structures.

## **2020/1 - CMP-5015Y PROGRAMMING 2**

Full Year, Level 5 module  
(Maximum 200 Students)

UCU: 20                                      Organiser: Professor Tony Bagnall

(UG) MODULE - 40% PASS ON AGGREGATE

Module Type: Examination with Coursework or Project

Timetable Slot:E1, H3|C1

Exam Paper(hrs):2                      Exam Period:SPR-02

BEFORE TAKING THIS MODULE YOU MUST TAKE CMP-4008Y OR TAKE CMP-4009B

WHILE TAKING THIS MODULE YOU MUST TAKE CMP-5014Y

This is a compulsory module for all computing students and is a continuation of programming 1. It contains greater breadth and depth and provides students with the range of skills needed for many of their subsequent modules. We introduce C in order to improve your low level understanding of how programming works. We recap Java and deepen your understanding of the language by teaching topics such as nested classes, enumeration, generics, reflection, collections and threaded programming. We cover C++ in semester 2 and conclude by introducing C# to highlight the similarities and differences between languages.

## **2020/1 - CMP-5040Y FINANCIAL ACCOUNTING FOR ACTUARIES**

Full Year, Level 5 module  
(Maximum 50 Students)

UCU: 20

Organiser: Dr Antony Jackson

(UG) MODULE - 40% PASS ON AGGREGATE

Module Type: Examination with Coursework or Project

Timetable Slot:D1

In taking this module you will learn the necessary basic financial accounting skills/knowledge required by Actuaries.