



**STAT6006**  
**Statistical Calculations**  
**CRN: 23021**

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**Note that this particular module delivery will take at the following times:**

- Lectures: Monday from 11:00-12:00 in C236**  
**Tuesday from 13:00-14:00 in D237**  
**Thursday from 15:00-16:00 in B143**
- Lab: Wednesday from 14:00-15:00 & 15:00-16:00 in C125**

This module is an introduction to statistics; the branch of mathematics that pertains to the collection, analysis, interpretation and presentation of data. You will learn how to organise raw data and present it in a way that is useful to those viewing it. Throughout the course, we will answer questions like: *If the temperature is 27.1°C, how much ice cream will the local shop sell? How many employees should the hotel hire for the holiday period? How many years do I need to work in Company A in order to reach a salary of € xx,xxx.*

The ideas in the module are explored further using Minitab; a statistical software package designed to aid in the understanding of course material.

Among the topics covered are:

- Presenting data in tabular and graphical form
- Calculating and Interpreting Statistical measures
- Establishing and describing relationships between variables
- Recognising and analysing trends in statistical data and making forecasts.