Module Details

**Module Code** ST3002

**Module Name** ST3002 STATISTICAL ANALYSIS III

**ECTS** 5

**Semester/term** Semester 1

**Contact Hours** 1 hour lecture and 2 hours of lab per week

**Module Personnel** Jason Wyse

**Learning Outcomes** After this course, students will have a toolbox of skills for data analysis. In particular, students should be able to apply their statistical knowledge to a given real scenario, do analysis and make recommendations.

**Module Learning Aims** This module aims to provide an opportunity for students to develop their hands on skills in data analysis. Specific methods will be explored to illustrate these approaches. Students will become very familiar with the R statistical computing language.

**Module Content** Statistical computing in R

1. Merging datasets
2. Simulation
3. Optimisation
4. Generalized linear models
5. Distributions

**Recommended Reading List** Engineering Mathematics III
Module Pre Requisite Applied Statistics

Module Co Requisite

Assessment Assessment is by continuous assessment only. To pass the module, students must achieve an overall mark of 40%.

Module Website

Module approval date

Approved By

Academic Start Year

Academic Year 2016/17

of Data