Module Details

Module Code	ST3002
Module Name	ST3002 STATISTICAL ANALYSIS III
Module Short Title	
ECTS weighting	5
Semester/term taught	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 Applied Probability.
Module Co Requisite	
Assessment Details	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 of Data	2016/17