

## Liverpool John Moores University

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Title: Statistics  
Status: Definitive  
Code: **5501DAV** (128030)  
Version Start Date: 01-08-2021

Owning School/Faculty: Engineering  
Teaching School/Faculty: German Academy for Foreign Trade and Logistics

Team	Leader
Ben Matellini	Y

**Academic Level:** FHEQ5      **Credit Value:** 10      **Total Delivered Hours:** 43  
**Total Learning Hours:** 100      **Private Study:** 57

### Delivery Options

Course typically offered: Semester 1 and Summer

Component	Contact Hours
Lecture	20
Tutorial	20

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	Exam	Written Exam	100	3

### Aims

*To provide statistic methods for conduct of empirical research, quality control and for higher levels of learning*

### Learning Outcomes

After completing the module the student should be able to:

- 1 Discuss the application of statistical methods to research and business problems.
- 2 Formulate, use and interpret a variety of statistical models.

### **Learning Outcomes of Assessments**

The assessment item list is assessed via the learning outcomes listed:

Written Exam	1	2
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### **Outline Syllabus**

- *Basics of Descriptive Statistics*
- *Normal Distributions*
- *Experimental Design*
- *Significance Tests*
- *Confidence Intervals*
- *Simple and Multiple Regressions*

### **Learning Activities**

Integrated series of formal lectures and tutorials

### **Notes**

Formal lectures will be supported by individual student tutoring. Statistical models and methods and their application to research and business problems will be taught