

## Liverpool John Moores University

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Title: Fundamentals of Digitization  
Status: Definitive  
Code: **5508DAV** (128036)  
Version Start Date: 01-08-2021  
  
Owning School/Faculty: Engineering  
Teaching School/Faculty: German Academy for Foreign Trade and Logistics

Team	Leader
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**Academic Level:** FHEQ5      **Credit Value:** 20      **Total Delivered Hours:** 61.5  
**Total Learning Hours:** 200      **Private Study:** 138.5

### Delivery Options

Course typically offered: Semester 1

Component	Contact Hours
Lecture	40
Workshop	20

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	Exam	Written Exam	50	1.5
Presentation	Pres	Presentation	50	

### Aims

*To develop an understanding of technologies and regulations involved in digitization processes.*

### Learning Outcomes

After completing the module the student should be able to:

- 1 Discuss IT infrastructure of companies.
- 2 Examine security issues in digital businesses.
- 3 Differentiate between different approaches in software engineering.

### **Learning Outcomes of Assessments**

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

Written Exam	1	2	3
Presentation	2	3	

### **Outline Syllabus**

- *Hardware and Software as part of IT infrastructure*
- *Sourcing IT services*
- *Security in Data and Processing*
- *Software Engineering*
- *Coding Languages and their fields of application*

### **Learning Activities**

The assessment item list is assessed via the learning outcomes listed

### **Notes**

This course addresses all IT-related issues from a company-perspective as well as fundamental knowledge on Software. Formal lectures will be supported by group work. The lectures are supported by real-life case studies of decisions in IT infrastructure and software engineering. Results will have to be presented for assessment.