

Fundamentals of Digitization

Module Information

2022.01, Approved

Summary Information

Module Code	5508DAV
Formal Module Title	Fundamentals of Digitization
Owning School	Engineering
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 5
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
LJMU Partner Taught

Partner Teaching Institution

Institution Name
German Academy for Foreign Trade and Logistics

Learning Methods

Learning Method Type	Hours
Lecture	40
Workshop	20

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-PAR	PAR	September	12 Weeks

Aims and Outcomes

Aims	To develop an understanding of technologies and regulations involved in digitization processes.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Discuss IT infrastructure of companies.
MLO2	2	Examine security issues in digital businesses.
MLO3	3	Differentiate between different approaches in software engineering.

Module Content

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
Module Overview	
Additional Information	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.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Exam	Written Exam	50	1.5	MLO1, MLO2, MLO3
Report	Presentation	50	0	MLO2, MLO3

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Ben Matellini	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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