

Summary Information

Module Code	3520IFESG
Formal Module Title	Introduction to Computing
Owning School	Computer Science and Mathematics
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 3
Grading Schema	40

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Lonnie Readioff	Yes	N/A

Module Team Member

Contact Name	Applies to all offerings	Offerings
Mohamed Kara-Mohamed	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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Teaching Responsibility

LJMU Schools involved in Delivery
LJMU Partner Taught

Partner Teaching Institution

Institution Name
Study Group

Learning Methods

Learning Method Type	Hours
Lecture	26
Seminar	39

Module Offering(s)

Offering Code	Location	Start Month	Duration
JAN-PAR	PAR	January	12 Weeks
SEP-PAR	PAR	September	12 Weeks

Aims and Outcomes

Aims	To provide students with basic skills relating to coding and the use and misuse of computers, as well as outlining the basic principles of computer science.
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Learning Outcomes

After completing the module the student should be able to:

Code	Description
MLO1	Demonstrate knowledge and understanding of the principles and concepts of computer science, including abstraction, logic, algorithms and data representation.
MLO2	Apply knowledge and understanding of the principles and concepts of computer science, including to analyse problems in computational terms.
MLO3	Design, program and evaluate computer systems that solve problems, making reasoned judgements about these and presenting conclusions.
MLO4	Programme basic algorithms in a programming language.

Module Content

Outline Syllabus

Fundamentals of programming (learn programming) Fundamentals of data structures Systematic approach to problem solving Theory of computation Fundamentals of data representation Fundamentals of computer systems Fundamentals of computer organisation and architecture Consequences of uses of computing

Module Overview

Additional Information

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Learning Outcome Mapping
Exam	Examination	60	1.5	MLO1, MLO3, MLO2
Portfolio	Portfolio	40	0	MLO4, MLO3