

Embedded C Language

Module Information

2022.01, Approved

Summary Information

Module Code	3106CIT
Formal Module Title	Embedded C Language
Owning School	Engineering
Career	Undergraduate
Credits	10
Academic level	FHEQ Level 3
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
LJMU Partner Taught

Partner Teaching Institution

Institution Name
Changshu Institute of Technology

Learning Methods

Learning Method Type	Hours
Lecture	48
Practical	16

Module Offering(s)

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

Aims and Outcomes

Aims	- To introduce the student to the software development process.- To become conversant with a range of computer programming techniques and their applications. - To develop problem solving skills in computing.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Apply knowledge of programming constructs and basic algorithms.
MLO2	2	Demonstrate problem solving skills by producing simple programming solutions.
MLO3	3	Evaluate alternatives and make sound judgements regarding programming solutions.
MLO4	4	Understand the basic concept of memory management.

Module Content

Outline Syllabus	+ C data types + Simple arithmetic operations and expressions + Keyboard input and screen output + Control Statements: if and switch + Iterative control statements: while, do-while and for + Arrays + Pointers + Strings + Functions + Structures + File input and output
Module Overview	
Additional Information	The module introduces students to the syntax of C programming, the platform of programming, and its application to electronics. Reports are 2000 words maximum word count.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Practical	100	0	MLO1, MLO2, MLO3, MLO4

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Clifford Mayhew	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings