Programme Specification Document

Approved, 2022.02

Overview

Programme Code	36744
Programme Title	Computing and Information Systems
Awarding Institution	Liverpool John Moores University
Programme Type	Masters
Programme Leader	Silvester Czanner
Link Tutor(s)	Silvester Czanner

Partner Name	Partnership Type
Unicaf	Supported Distance Learning

Awards

Award Type	Award Description	Award Learning Outcomes
Alternative Exit	Postgraduate Diploma - PD	A student who is eligible for this award will be able to: For the award of Postgraduate Diploma, in addition to the outcomes for Postgraduate Certificate, students will be capable of taking an innovative and informed position in relation to Computing and Information Systems and they will be able devise and synthesise appropriate research methodologies as well as plan relevant research and / or development projects. Students will also be able to demonstrate creativity in critical analysis, reflection and contextual awareness in a wide range of topics associated with Computing and Information Systems.
Alternative Exit	Postgraduate Certificate - PC	A student who is eligible for this award will be able to: For the award of Postgraduate Certificate, students will be able to engage with advanced levels of theoretical and practical aspects in a range of topics of Computing and Information Systems. Students will be able to explore and evaluate appropriate research methodologies and they will be able to demonstrate appropriate levels of critical analysis, reflection and contextual awareness in selected areas related to Computing and Information Systems.
Target Award	Master of Science - MS	See Learning Outcomes Below

Alternate Award Names	

External Benchmarks

Subject Benchmark Statement	PGT-Computing (2022)

Programme Offering(s)

Mode of Study, Mode of Delivery	Intake Month	Teaching Institution	Programme Length
Part-Time, Distance Learning	April	Unicaf	5 Years
Part-Time, Distance Learning	August	Unicaf	5 Years
Part-Time, Distance Learning	December	Unicaf	5 Years
Part-Time, Distance Learning	February	Unicaf	5 Years
Part-Time, Distance Learning	January	Unicaf	5 Years
Part-Time, Distance Learning	July	Unicaf	5 Years
Part-Time, Distance Learning	June	Unicaf	5 Years
Part-Time, Distance Learning	March	Unicaf	5 Years
Part-Time, Distance Learning	May	Unicaf	5 Years
Part-Time, Distance Learning	November	Unicaf	5 Years
Part-Time, Distance Learning	October	Unicaf	5 Years
Part-Time, Distance Learning	September	Unicaf	5 Years

Aims and Outcomes

Educational Aims of the Programme

The overall aim of the programme is to provide people of graduate status working, or planning to work, in a computing environment with the opportunity to enhance their career prospects by gaining additional knowledge and skills in the areas of Computing, Information Systems and Management of Computer Technology. The specific aims of the programme are as follows:
To provide students with a fuller, systematic understanding of current and developing computer technologies.
To enable students to explore the issues surrounding the Management of Information Technology in Business and Industrial contexts.
To facilitate students in the development of expertise and interest in topic areas of direct and complementary relevance to their work.
To encourage students to become advanced autonomous learners.
To provide students with a comprehensive understanding, critical awareness and ability to conduct evaluation of current research issues.
To further develop students' originality in applying analytical, creative, problem solving and research skills.
To provide advanced, conceptual understanding, underpinning career development, innovation and further study such as PhD.

Learning Outcomes

Code	Description
PLO1	Critically review current and developing principles and practices within the computing industry.
PLO2	Demonstrate deep conceptual and practical knowledge and skills in the areas of Computing and Information Systems.
PLO3	Critically select a range of tools and techniques used in the development of complex computer based systems.
PLO4	Critically analyse a range of applications domains.
PLO5	Effectively and creatively manage Information Technology and its users in the workplace.
PLO6	Use knowledge with originality and be innovative when applying IT solutions to business problems.
PLO7	Comprehensively and critically understand current research issues in the relevant aspects of Computing and Information Systems.
PLO8	Study independently at an advanced level and have developed effective methodology skills for original research.
PLO9	Demonstrate systematic and comprehensive knowledge of IT concepts, principles and theories.
PLO10	Perform original system modelling, requirements analysis and design.
PLO11	Conduct critical evaluation and testing of a computer based system.
PLO12	Deploy appropriate methods and tools creatively for the development of a complex computer based system.
PLO13	Apply appropriate research methods critically to conduct original computer related research.

Code	Description
PLO14	Develop and evaluate computer based systems.
PLO15	Manage computer based projects.
PLO16	Use a wide range of computing facilities effectively
PLO17	Work individually.
PLO18	Use information technology, e.g. Web and internet, for effective information retrieval.
PLO19	Apply numerical skills to cases involving a quantitative dimension.
PLO20	Communicate effectively by written or verbal means.
PLO21	Plan and manage learning and development.
PLO22	Engage with complex debates around legal, ethical, social and professional issues regarding Computing and Information Systems.

Programme Structure

Programme Structure Description

Students will register for one module at a time and must complete the whole programme within 5 years.
The Postgraduate Diploma and Postgraduate Certificate are alternative exit awards.
A total of 60 credits is required for a PG Certificate and 120 credits for a PG Diploma (excluding the dissertation).
For all Masters students Research Methods must be passed prior to the submission of the Dissertation or Research Project.

Programme Structure - 180 credit points	
Level 7 - 180 credit points	
Level 7 Core - 180 credit points	CORE
[MODULE] 7501COMP Software Development with Java Approved 2022.01 - 20 credit points	
[MODULE] 7502COMP Computer Systems Technology Approved 2022.01 - 20 credit points	
[MODULE] 7503COMP Database Design and Technology Approved 2022.01 - 20 credit points	
[MODULE] 7504COMP Computer Security Approved 2022.01 - 20 credit points	
[MODULE] 7505COMP Management of E-Business Approved 2022.01 - 20 credit points	
[MODULE] 7506COMP Research Methods Approved 2022.01 - 20 credit points	
[MODULE] 7507COMP Project Dissertation Approved 2022.01 - 60 credit points	
Level 7 Optional - No credit points	OPTIONAL

Module specifications may be accessed at https://proformas.ljmu.ac.uk/Default.aspx

Approved variance from Academic Framework Regulations

Variance
Students will be eligible for a Final Module Attempt (FMA) once they have failed the first and referral attempt of a module. Students will not have to wait until all the assessment opportunities from the taught element of the programme have been exhausted. (approved 03/11/2022)

Teaching, Learning and Assessment

The methods used to enable outcomes to be achieved and demonstrated are as follows:
Core knowledge and understanding is acquired via online lectures, tutorials, coursework, projects and guided independent study. Specifically, acquisition of 1 is via a combination of online lectures, projects and guided independent study. Acquisition of 2, 3, 4, 5 and 6 is via a mixture of online lectures, tutorials, coursework, and projects. Acquisition of 7 and 8 is via online lectures, coursework, projects, and guided independent study. Students are given feedback on all work produced.
Assessment methods for the knowledge and understanding are specified in module specifications. Each module is assessed by coursework. Specifically, the assessment takes the form of written assessments, coursework reports and/or project work, reports and presentations.
Cognitive skills are developed throughout the programme via online tutorial, group discussion, coursework, projects and presentations. Specifically, skill 9 is developed through tutorial group discussion, coursework, projects, and presentations. Skills 10, 11 and 12 are developed through coursework, and projects. Skill 13 is developed through coursework, projects, and guided independent study.
Assessment of cognitive skills is through coursework reports, project work, reports and presentations.
Practical skills are developed throughout the programme. Coursework and projects are designed to provide practical opportunities for students to work independently. Specifically, skills 14, 15 and 16 are developed through coursework, and project work. Skill 17 is developed through individual coursework, and project work.
Assessment of practical skills is normally by coursework (14-18) and projects (14-18).
Key skills are developed throughout the programme in a variety of forms. Specifically, through a combination of research related coursework, guided independent study and projects, group work and presentations. Skill 18 is developed through a combination of research-related coursework, guided independent study, and projects. Skill 19 is developed through study of technical methods, coursework, and projects. Skill 20 is developed through report writing for coursework and projects, teamwork, presentations, and discussion. Skill 21 is developed via the management of learning tasks and deadlines
for coursework and projects.
Key skills are assessed as part of coursework (18-22), projects (18-22), and presentations (20).

Opportunities for work related learning

Self-knowledge: Students reflect on their strengths and skills to select their project. With support of project supervisor;
Project and time management skills, during Coursework and Project Dissertation; Courseworks based on real-world industrial case studies application;
Leaming about Intellectual Property and Copyright, during Research Methods; Application of a wide range of ICT tools and techniques;
Learning statistical tools for data analysis;
Development of Interpersonal skills and knowledge of group dynamics.

Entry Requirements

Type	Description
Undergraduate degree	A UK Honours Degree in a relevant subject area with minimum 2:2 classification

Alternative qualifications considered	International Degree or equivalent professional qualifications e.g., the BCS Professional Graduate Diploma in IT, or DipHE or HND or equivalent qualifications plus a minimum of 3 years relevant professional experience. Students with non-standard entry qualifications, relevant industry experience or certification are also encouraged to apply. Applicants with non-standard qualifications may be required to submit a CV and references. All applicants must provide evidence of competence of English. Applicants are required to have achieved an IELTS score of a minimum of 6.0 (minimum 5.5 in each component) or equivalent English language qualifications. Applicants who have studied and successfully achieved a UK degree within the previous 24 months are exempted from the requirements to produce evidence of competence in English.