UNIVERSITY OF EAST LONDON
COURSE SPECIFICATION

Course Aim and Title	MSc Computing and Information Communication Technology
Intermediate Awards Available	PGCert, PGDip.
Teaching Institution(s)	UEL on campus
Alternative Teaching Institutions (for local arrangements see final section of this specification)	
UEL Academic School	ACE
UCAS Code	
Professional Body Accreditation	
Relevant QAA Benchmark Statements	QAA Subject benchmark statement Master's degrees in Computing 2011
Additional Versions of this Course	
Date Specification Last Updated	March 2019

Course Aims and Learning Outcomes

This course is designed to give you the opportunity to:

- Develop an understanding of the fundamentals of software development;
- Develop knowledge and skills in database systems and their applications;
- Gain practical knowledge that will enable you to establish a career in IT;
- Develop the professional skills necessary for a career in the IT industry;
- Investigate current problems from emerging areas within the area of computer science.

What you will learn:

Knowledge
- Demonstrate critical knowledge of designing and implementing a software.
- Understanding of topics such as computer programming, database systems, computer architecture and networks.
- Critically survey and analyse relevant theories and research methods.

Thinking skills
- Critical thinking and evidential reasoning
- Systematically analyse problems and implement effective solutions.
- Show a conceptual understanding of the principles of key topics within the area of computing science.

Subject-Based Practical skills
- Demonstrate self-direction and originality in tackling and solving problems
- Design & develop a software on a set of specifications.

- Demonstrate cognitive, intellectual skills and theories while establishing appropriate criteria for informed recommendations and conclusions.

Skills for life and work (general skills)
- Demonstrate an ability to study independently and effectively and to be able to convey technical information clearly and concisely.
- Develop interpersonal skills and be able to contribute and work effectively in a team.
- Integrate research, and articulate research results into professional practice.

Learning and Teaching

Various teaching methods are employed on the course, including lectures, tutorials, seminars and laboratory work. In a lecture period, a member of the academic staff or a visiting lecturer presents ideas or information to a body of students. In a seminar, ideas are discussed by a group of students. The discussion is led by a member of the staff or a nominated student and moderated by one or more members of staff. In a tutorial, the students solve problems under the guidance of a member of staff with whom they can also discuss information presented in a previous lecture.

To enable students to derive maximum benefit from their period of attendance, lectures are designed to cover only essential subject matter, this being complemented by lecture notes. Considerable importance is attached to home assignments and a commitment to private study.

Students are recommended to plan their work in advance. Where practicable, a course of work, requirements of home assignments, together with reading references and tutorial sheets are distributed at the beginning of each section of each module. Regular formative assessments of the students' work are undertaken and feedback provided in order to monitor progress and identify problem areas.

Assessment

Modules are allocated a mark out of 100%. The pass mark for each module is based on an aggregate mark of 50%. The aggregate mark comprises marks from components whose threshold is 40%. Assessment may incorporate one, two or three components.

The module specifications specify the mode of assessment for each module.

Assessment methods include formal examinations, coursework, project work and group exercises.

Students with disabilities and/or particular learning needs should discuss assessments with the Course Leader to ensure they are able to fully engage with all assessment within the course.

Course Structure

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All courses are credit-rated to help you to understand the amount and level of study that is needed.

One credit is equal to 10 hours of directed study time (this includes everything you do e.g. lecture, seminar and private study).

Credits are assigned to one of 5 levels:

3	Equivalent in standard to GCE 'A' level and is intended to prepare students for year one of an undergraduate degree course.
4	Equivalent in standard to the first year of a full-time undergraduate degree course.
5	Equivalent in standard to the second year of a full-time undergraduate degree course.
6	Equivalent in standard to the third year of a full-time undergraduate degree course.
7	Equivalent in standard to a Masters degree.

Courses are made up of modules that are each credit weighted.

The module structure of this course:

Level	Module Code	Module Title	Credit Weighting	Core/Option	Available by Distance Learning? Y/N
7	CN7027	Programming Fundamentals	30	Core	N
7	CN7029	Computer Architecture and Networks	30	Core	N
7	CN7028	Database Systems	30	Core	N
7	CN7039	Software Engineering	30	Core	N
7	CN7000	Mental Wealth; Professional Life (Dissertation)	60	Core	N

Please note: Optional modules might not run every year, the course team will decide on an annual basis which options will be running, based on student demand and academic factors, in order to create the best learning experience.

Additional detail about the course module structure:

A core module for a course is a module which a student must have passed (i.e. been awarded credit) in order to achieve the relevant named award. An optional module for a course is a module selected from a range of modules available on the course.

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The overall credit-rating of this course is 180 credits. If for some reason you are unable to achieve this credit you may be entitled to an intermediate award, the level of the award will depend on the amount of credit you have accumulated. You can read the University Student Policies and Regulations on the UEL website.

Typical Duration

It is possible to move from full-time to part-time study and vice-versa to accommodate any external factors such as financial constraints or domestic commitments. Many of our students make use of this flexibility and this may impact on the overall duration of their study period.

The duration of this course is one calendar year full-time if enrolment is in September, and two calendar years part-time. For February enrolment, the duration becomes 15 months full time, and 27 months part-time.

The time limit for completion of a course is four years after first enrolment on the course.

Further Information

More information about this course is available from:

- The UEL web site (www.uel.ac.uk)
- The course handbook
- Module study guides
- UEL Manual of General Regulations (available on the UEL website)
- UEL Quality Manual (available on the UEL website)
- School web pages (www.uel.ac.uk/about/colleges/arts-technology-and-innovation)

All UEL courses are subject to thorough course approval procedures before we allow them to commence. We also constantly monitor, review and enhance our courses by listening to student and employer views and the views of external examiners and advisors.

Additional costs: None