

Course Specification

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Produced By:	Laura Clode
Status:	Validated

Core Information

Awarding Body / Institution:	University of Wolverhampton		
School / Institute:	School of Mathematics and Computer Science		
Course Code(s):	CS007P01UV CS007P31UV	Full-time Part-time	6 Months 1 Years
Course Title:	Postgraduate Certificate Computer Science		
Hierarchy of Awards:	Postgraduate Certificate Computer Science University Statement of Credit University Statement of Credit		
Language of Study:	English		
Date of DAG approval:	01/Jun/2017		
Last Review:	2015/6		
Course Specification valid from:	2010/1		
Course Specification valid to:	2021/2		

Academic Staff

Course Leader:	Dr Ian Coulson
Head of Department:	Dr Kevan Buckley

Course Information

Location of Delivery:	University of Wolverhampton
Category of Partnership:	Not delivered in partnership
Teaching Institution:	University of Wolverhampton
Open / Closed Course:	This course is open to all suitably qualified candidates.

Entry Requirements:

Entry requirements are subject to regular review. The entry requirements applicable to a particular academic year will be published on the University website (and externally as appropriate e.g. UCAS)

Distinctive Features of the Course:

This degree builds upon some of the fundamental undergraduate areas to give the students a deep knowledge and understanding in those areas. The course focuses on Distributed and Mobile Computing, Database Server Management, Software Tools, Web Technologies and Group-based Software Development in which the staff are actively researching or have national or international reputations. Specialist laboratories support the teaching, for Networking and Mobile Computing. This award has a strong practical element, enhancing the underpinning knowledge with a range of practical skills designed to enhance the students' career prospects.

Educational Aims of the Course:

This course is ideal for students with an undergraduate degree in Computer Science, Engineering or a closely allied field. There is a separate award in Information Technology for students who do not have a strong background in Computer Science. This course will develop a depth of knowledge across several specialised or applied areas of Computer Science. You will be encouraged to independently synthesise information and novel ideas in chosen areas of Computer Science and to evaluate or argue alternative approaches. The course will promote a professional attitude in students wishing to enter employment within the field of Computer Science and enhance the career prospects of all its students.

Intakes:

September

Major Source of Funding:

Office for Students (OFS)

Tuition Fees:

Tuition fees are reviewed on an annual basis. The fees applicable to a particular academic year will be published on the University website.

Year	Status	Mode	Amount
2020/1	EU	Full Time	£2134.00
2020/1	Overseas	Full Time	£4550.00
2020/1	H	Part Time	£2134.00

PSRB:

None

Course Structure:

September (Full-time)

Year 1

Module	Title	Credits	Period	Type
7CC003	Distributed and Mobile Computing	20	IN YR	Core
7CI019	Database Technologies	20	IN YR	Core
7CC005	Web Technologies	20	IN YR	Core

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, to create the best learning experience.

Learning, Teaching and Assessment

Academic Regulations Exemption:

None

Reference Points:

QAA descriptor for a Higher Education qualification at level 7: Master's Degree

QAA Computing Subject Benchmark

BCS requirements for postgraduate study

School of Technology E&D policy, 2010

Equality act 2010

Learning Outcomes:

PGCert Course Learning Outcome 1 (PGCCL01)

Display mastery of the principles and practices of advanced Computer Science topics; integrate and apply knowledge and skills to complex problems in a new area or form;

PGCert Course Learning Outcome 2 (PGCCL02)

Demonstrate a critical understanding of the concepts and technologies underpinning modern distributed systems, mobile platforms and the internet;

PGCert Course Learning Outcome 3 (PGCCL03)

Apply appropriate tools and advanced techniques to develop sophisticated web sites and Internet applications;

PGCert Course Learning Outcome 4 (PGCCLO4)

Make informed judgements on the application of appropriate models and techniques in modern data handling systems;

PGCert Course Learning Outcome 6 (PGCCLO6)

Conduct research into advanced areas of Computer Science; apply and extend an understanding of the nature of research and development; demonstrate the professional skills required to produce a high-quality deliverable and communicate results clearly through appropriate media.

Overview of Assessment:

Module	Title	Course Learning Outcomes
7CC003	Distributed and Mobile Computing	PGCCLO1, PGCCLO2
7CC005	Web Technologies	PGCCLO2, PGCCLO3
7CI019	Database Technologies	PGCCLO2, PGCCLO3, PGCCLO4, PGCCLO6

Teaching, Learning and Assessment:

Assimilate information from journal papers, lectures, text books, original articles, self study notes, selected sites on the internet and personal experience.

Reflect on the results of problem solving; making recommendations based on evidence and experience.

Apply a variety of techniques to distributed and mobile problems, including well-defined and ill-defined situations.

Reflect on the results of problem solving; making recommendations based on evidence and reflection.

Apply a variety of techniques to Web frameworks and development Internet applications, including well-defined and ill-defined situations. Reflect on the results of problem solving; making recommendations based on evidence and reflection.

Apply a variety of techniques to the problems associated with communication technology, including well-defined and ill-defined situations. You will gain a thorough knowledge of the requirements of modern communication techniques.

Work through a number of programming problems in a variety of scenarios during workshop sessions and in assessments, including individual and group-based exercises to reinforce learning. Reflect critically on the attempts of problem solving and personal performance.

Investigate and research in-depth in the subject area of Computer Science, producing a deliverable artefact related to the research undertaken.

The Dissertation will critically reflect on the work undertaken.

Assessment Methods:

At the University of Wolverhampton, a variety of modes of assessment will be used to support and test your learning and progress and to help you develop capabilities that are valued beyond your University studies and into your working life. Your course may include a variety of assessment activities:

Written examinations (including online examinations, open and closed book examinations and quizzes)
Coursework (for example, essays, reports, portfolios, project proposals and briefs, CVs, poster presentation)
Practical (for example, oral and video presentations, laboratory work, performances, practical skills assessment)

In the final year of your undergraduate degree, and at the end of your postgraduate degree, you are likely to be expected to write an extended piece of work or research, such as a dissertation or a practice-based piece of research.

Student Support:

University provided support:

As well as providing general counselling support the University Counselling Service provides short courses on topics such as "Self Confidence", "Stress Management and Relaxation" and "Life Skills".

They also provide study skills and academic support, providing short courses such as provide help in areas such as "Writing and Assignment Skills", "Exam Techniques", "Enhancing Professional Skills", "Personal Development Planning" and "Making Choices for the Future.

University Learning Centres provide general academic skills support to all students. You can make an appointment with a study skills advisor for advice on areas such as academic writing, assignment planning, exam preparation, and time management.

In addition, there is a regular timetable of drop-in and bookable workshops covering information and digital literacy skills, including academic referencing. School of Technology students are supported by a designated subject librarian who is available to support research and project work.

Course support:

At the start of your course you will be assigned a Personal Tutor who will guide you through the induction process and provide support and academic counselling throughout your course on an appointment basis. They should be able to offer you advice and guidance to help you liaise with other staff and support facilities in the School and University.

The Student Support Advisers (SSA) provides academic counselling and will be accessible throughout the week on a drop-in or appointment basis to discuss timetables, requests for extensions, requests for extenuating circumstances, general concerns about study and student life and general programme planning. The SSA will act as a first point of contact in relation to leave of absence (including returning after leave), withdrawal, transferring to another course (internal and external) and changes to mode of attendance. Your Course Leader will be available thereafter for meetings by appointment to discuss leave of absence, withdrawal, transferring to another course (internal and external), changes to mode of attendance, returning after leave of absence and direct entrants.

Subject support:

Tutorials, workshops, seminars and meetings - provide the primary opportunities for students to interact with staff on topics relating to modules. All modules provide at least one of these forms of face-to-face support.

Formative feedback - tutors provide personalised written feedback on most summative assessments. The mechanism for feedback from purely formative tasks varies between assessments, but will always be provided in some form. Online formative tasks often provide feedback straight away. On occasions tutors may provide generalised verbal feedback to the whole class on points relating to an assessment

Assessment and subject-based surgeries provide additional student support for subjects that students often need extra help with. They are often concentrated around the times when assessments take place. Revision sessions are provided for many modules that have exam-like tests and enable you to interact with tutors to review parts of the course. Mock exams and tests may provide opportunities to experience an examination environment before the final summative test and give you feedback on your understanding.

International Students:

The International Centre will provide pre and post entry visa and immigration support and advice on and arrange for the necessary paperwork to be submitted to UKBA. They will also provide appropriate University Induction support on arrival and be a point of contact for international students throughout their stay here.

A range of social and cultural activities arranged by the International Centre will also promote the integration of international students into the whole of the University's learning community. English language support is also available through the international language centre in the University.

Employability in the Curriculum:

You will be able to approach a variety of high level roles with confidence, in areas such as the creative industries, product design, the games industry, education, public bodies and environmental monitoring.

If you are already in employment, the programme will enhance your academic and professional skills, enabling you to accelerate your career within the organisation, or seek employment in another organisation at an equivalent or higher management level.



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