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):	CI015P01UV CI015P31UV	Full-time Part-time	6 Months 1 Years
Course Title:	PgC Information Technology		
Hierarchy of Awards:	Postgraduate Certificate Information Technology University Statement of Credit University Statement of Credit		
Language of Study:	English		
Date of DAG approval:	30/May/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

A pass at degree level.

Students are selected using application form and references in the first instance and may be invited for interview.

Students applying for individual modules will be required to demonstrate the ability to absorb technical concepts and detail, possibly by way of their previous industrial or commercial experience.

Minimum English competency is the standard Postgraduate entry: IELTS 6.0 or equivalent

Distinctive Features of the Course:

This course is ideal for students whose undergraduate degree is not either Computer Science, Engineering or a closely allied subject. The first block of teaching rapidly imparts the fundamental material for an Information Technology post graduate certificate.

Educational Aims of the Course:

This course is ideal for students with a background in science or engineering, but with no previous significant study of Computing or Information Technology. The course aims to expand your knowledge, in the area of networking, database technology and technologies in the field of Information Technology, with a balance of theory and advanced practical skills. It will promote a professional attitude in students wishing to enter employment in the field of information technology 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)

Part time students study alongside full time students. However, they do not study more than 80 credits in each academic calendar year.

Year 1

Module	Title	Credits	Period	Type
Linked Option Group Rule: Select a minimum of 60 credits and a maximum of 60 credits from the linked (*) groups.				
*** For this option group you must choose a minimum of 0 credits and a maximum of 60 credits**				
Please note 7CC002 and 7CS013 are prohibited combinations.				
7CC009	Research Methods in Computing	20	INYR	
7CS001	Modern Computer Science	20	INYR	
7CI006	Data Management	20	INYR	
*** For this option group you must choose a minimum of 0 credits and a maximum of 60 credits**				
Please note 7CC002 and 7CS013 are prohibited combinations.				
7CC001	Software Tools	20	INYR	
7CC006	Internet and Communications Technology	20	INYR	
7CC002	Group-based Software Development	20	INYR	
7CS013	Enhanced Professional Experience and Development	20	INYR	

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 (PGCCLO1)

Display a thorough understanding of the principles and practices of advanced Information Technology topics; integrate and apply knowledge and skills to complex problems;

PGCert Course Learning Outcome 2 (PGCCLO2)

Demonstrate expertise and professional awareness of both current and emerging technologies within the field of Information Technology;

PGCert Course Learning Outcome 3 (PGCCLO3)

Critically evaluate the role of communications, architecture, networks and the internet in modern computer systems;

PGCert Course Learning Outcome 4 (PGCCLO4)

Make informed decisions on the use of appropriate database techniques and tools and apply these to develop database solutions to non-trivial problems;

Overview of Assessment:

Module	Title	Course Learning Outcomes
7CC001	Software Tools	PGCCLO1, PGCCLO2, PGCCLO3, PGCCLO4
7CC002	Group-based Software Development	PGCCLO1, PGCCLO2, PGCCLO3, PGCCLO4
7CC006	Internet and Communications Technology	PGCCLO1, PGCCLO2, PGCCLO3, PGCCLO4
7CC009	Research Methods in Computing	PGCCLO3
7CI006	Data Management	PGCCLO3, PGCCLO4
7CS001	Modern Computer Science	PGCCLO1, PGCCLO2
7CS013	Enhanced Professional Experience and Development	PGCCLO1, PGCCLO2, PGCCLO3, PGCCLO4

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 different technologies in the area of Information Technology, including well-defined and ill-defined situations.

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

Assimilate information from lectures, text books and self-study notes. Use of workshops and tutorials to enhance practical skills and design and implement a non-trivial database application.

Assimilate information from lectures, text books and self-study notes. Use of workshops and tutorials to develop practical skills in advanced database technology topics.

Reflect critically on the attempts of problem solving and personal performance.

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.

Employability in the Curriculum:

Graduates can find employment within the Information Technology industry as analysts/programmers, business systems analysts, database programmers, database administrators and senior software support technicians.

You could also go on to do further research, or teach in either further or higher education.

Graduates from the PgC can progress to the MSc programme if they achieve a satisfactory performance.