

1 PROGRAMME SPECIFICATION DOCUMENT

1. Qualification BSc (Hons)	2. Programme Title Internet Communications and Networks	3. UCAS Code	4. Programme Type Modular Single, Major, Joint and Minor Full time and Part time
5. Main Purposes and Distinctive Features of the Programme <ul style="list-style-type: none">i. skill in specification, design, implementation and maintenance of computer networksii. development of sufficient depth in computer network skills to be of immediate use to an employeriii. familiarity with some of the uses to which networks may be putiv. development of sufficient breadth of understanding for adaptability Special Features A practically orientated pathway group with a high content of relevant laboratory work			

1. What a Graduate should know and be able to do on completion of the Programme

(Objectives and Learning Outcomes)

Graduates will have demonstrated: (i) subject knowledge and understanding (ii) cognitive skills (iii) discipline-related practical and professional skills (iv) other general skills (e.g. communication skills)

Knowledge and understanding in the context of the subject

- i. technical skill to design, install and manage a networked computer system
- ii. sufficient depth of knowledge in computer networks to make an immediate contribution in the work environment
- iii. adequate breadth of skill and knowledge to ensure flexibility
- iv. display an appreciation of software development

Subject-specific practical/professional skills

- i. ability to use a range of computer facilities
- ii. analyse a requirement and create a specification for a network computer system to meet that requirement
- iii. design a network to meet a specification
- iv. select and configure appropriate hardware and software to implement a networked computer system design

<i>Cognitive skills in the context of the subject</i>	<i>Other skills (e.g. key/transferable) developed in subject or other contexts</i>
<ul style="list-style-type: none"> i. evaluate and select hardware and software for a networked computer system to achieve a specified objective ii. apply the results of simulations in the design and maintenance of a networked computer system iii. identify and solve problems in the operation of networked computer systems iv. make practical application of information/knowledge v. think critically 	<ul style="list-style-type: none"> i. capacity to pursue an independent investigation using learning resources and practical evaluation ii. communicate effectively verbally and in writing iii. use a range of computer (IT) facilities iv. independent study, self appraisal (reflection) and goal setting v. time management and organization of study time vi. literature review skills vii. employability skills

7. Qualities, Skills & Capabilities Profile
The educational and training goals of the programme seek to develop and demonstrate the following qualities, skills, capabilities and values in its graduates

Cognitive	Practical	Personal & Social	Other
Design/Synthesis; Evaluation of systems/ideas; Applied problem solving; Analysis of information; Flexibility of thought	Technical report-writing; Computer hardware and software installation, troubleshooting and optimisation; Investigation, information gathering	Self motivation Organisation and time management	

8. Subjects Studied, Levels, Credits and Qualifications

3 years full-time; 4-5 years part-time; organised on 2 semesters per year basis.

Part 1 comprises 6 level 1 20 credit modules, or equivalent (2 modules are 10 credits)

Part 2 comprises 6 level H2 20 credit modules, or equivalent (2 modules are 10 credits)

AND

6 level H3 20 credit modules, or equivalent (1 module, the double project, is 40 credits)

	Core Modules	Dissertation/Project	Optional Modules
	<i>Bachelor Honours degree (Internet Communications and Networks) - 360 credits</i>		
Part 2 Level 3	Network Design and Integration; Professional Issues in Computing; Network Management.	40 credit individual project (for single subject pathway) involving self-managed integration, extension and practical application of knowledge	Advanced Operating Systems; Enterprise Systems; Electronic Commerce; Internet Security; Web and Systems Based Programming.
	<i>HE Diploma (Computing Technology)- 240 credits</i>		
Part 2 Level 2	Network Architecture; Wide Area Networks; Project Skills; Career Development.		Database Theory and Practice; Internet 2; Wireless Networking; Network Administration; Unix; Service Management; Computer Security;
	<i>HE Certificate (Computing Technology)- 120 credits</i>		
Part 1 Level 1	Core Skills; Internet 1; Introduction to Programming; Networking Basics; Routing Basics; Network Operating Systems		

<p>9 Learning , Teaching and Assessment Strategy</p> <p>Learning and Teaching Methods</p> <p>Practical skills are acquired by students through laboratory sessions, demonstrations and activity-based assignments. Active learning is promoted via seminars and guided study supported by lectures, videos and tutorials</p> <p>Assessment Methods</p> <p>Assessment tasks are linked to objectives (learning outcomes) of each module and are normally completed by the end of each module. Types of assessment include: written examinations (unseen or open-book), essays, assignments, projects, case study analyses, in-class tests (practical or written), demonstration, interview</p> <p>Assessment Classification System</p> <p>Pass mark for individual modules = 40% Final degree classification based on aggregated performance in Part 2 modules</p> <p>Honours Classification Bands</p> <table> <tbody> <tr> <td>70% and above</td> <td>-</td> <td>First class</td> </tr> <tr> <td>60% - 69% class</td> <td>-</td> <td>Upper second</td> </tr> <tr> <td>50% - 59% class</td> <td>-</td> <td>Lower second</td> </tr> <tr> <td>40% - 49%</td> <td>-</td> <td>Third class</td> </tr> <tr> <td>35% - 39% for degree</td> <td>-</td> <td>Borderline/ consideration unclassified</td> </tr> </tbody> </table>	70% and above	-	First class	60% - 69% class	-	Upper second	50% - 59% class	-	Lower second	40% - 49%	-	Third class	35% - 39% for degree	-	Borderline/ consideration unclassified	<p>10. Other Information</p> <p>Date Programme first offered September 1999</p> <p>Admission Criteria</p> <p><i>Standard Entry</i> 2 'A' level passes and A to C passes in English, Mathematics and a science subject a GCSE Acceptable alternatives to the 2 'A' level passes are: BTEC diploma/certificate Advanced GNVQ (merit) NVQ level 3 Foundation pass Scottish or Irish leaving certificate (including 2 higher level passes)</p> <p><i>Non-standard Entry</i> Experience and Interview Other cases dealt with by admissions tutor on an individual basis</p> <p>Indicators of Quality and Standards</p> <ul style="list-style-type: none"> i. validated by panel with external subject specialists ii. external examiner moderates part 2 assignments and examinations
70% and above	-	First class														
60% - 69% class	-	Upper second														
50% - 59% class	-	Lower second														
40% - 49%	-	Third class														
35% - 39% for degree	-	Borderline/ consideration unclassified														

2 MAPPING OF LEARNING OUTCOMES TO MODULES

2.1 BSc (Hons) Internet Communications and Networks

Kn, Sn, Cn, On are Knowledge, Subject-specific, Cognitive and Other learning outcomes respectively. Refer to the Programme Specification for a definition of each learning outcome.

Core modules are shown in bold. An X at a row/column intersection indicates that the specified module supports the specified learning outcome

3 MAPPING OF ASSESSMENT METHODS TO MODULES

ASSESSMENT METHOD	LEVEL 1 MODULES							LEVEL 2 MODULES							LEVEL 3 MODULES													
	LCT1000	LCT1001	ECE1000	LCT1006	PDD1013	CST1202	LCT1019	LCT1020	LCT1014	LCT2514	LCT2515	LCT2503	LCT2505	LCT2512	LCT2504	LCT2506	LCT2507	LCT2502	LCT2509	LCT2510	LCT2511	LCT3009	LCT3012	CST3007	LCT3011	LCT3007	LCT3008	LCT3001
EXAMS (FORMAL) %	30						50	50	50			70		50	50	30	70	50	70	70	70		50	50		50	30	50
EXAMS OPEN BOOK %				50																								
PRACTICAL TESTS %	30	50					20	20					20				30											
COURSE WORK %	40	50	100		80	100	30	30				30	80	50	50	40		50	30	30	30		50	50		50	70	50
COURSE WORK IN CLASS %				50	20				50	100	100					30									100			100