

## PROGRAMME SPECIFICATION - HND COMPUTING TECHNOLOGY

<b>1. Qualification</b> HND	<b>2. Programme Title</b> Computing Technology	<b>1. UCAS Code</b>  <b>006G</b>	<b>4. Programme Type</b> Modular HND Full time and Part time
<b>5. Main Purposes and Distinctive Features of the Programme</b> <ul style="list-style-type: none"> <li>i. To equip students with the skill to maintain a networked computer system, enhance its performance and ensure data security is maintained</li> <li>ii. To deliver the skill to install and configure appropriate hardware and software to implement a computer system</li> <li>iii. To enable students to describe the structure and operation of a variety of computer technologies</li> </ul> <p><b>Special Features</b> A practically orientated course with a high content of relevant laboratory work</p>			

<b>2. What a Diplomate should know and be able to do on completion of the Programme</b>  <b>(Objectives and Learning Outcomes)</b>	
<i>Knowledge and understanding in the context of the subject</i> <ul style="list-style-type: none"> <li>i. sufficient depth of knowledge in computer networks to make an immediate contribution in the work environment</li> <li>ii. adequate breadth of skill and knowledge to ensure flexibility</li> <li>iii. appreciation of software development</li> </ul>	<i>Subject-specific practical/professional skills</i> Ability to: <ul style="list-style-type: none"> <li>i. support, maintain and administer networked computer systems</li> <li>ii. use a range of computer facilities</li> <li>iii. configure appropriate hardware and software to implement or upgrade a networked computer system</li> </ul>
<i>Cognitive skills in the context of the subject</i> Ability to: <ul style="list-style-type: none"> <li>i. select components suitable for a particular computer system from a range of standard options</li> <li>ii. apply computing knowledge in the construction or enhancement of computer systems</li> </ul>	<i>Other skills (e.g. key/transferable/pdp) developed in subject or other contexts</i> <ul style="list-style-type: none"> <li>i. capacity to use learning resources to develop and enhance own learning</li> <li>ii. communicate effectively orally and in writing</li> <li>iii. use a range of computer (IT) facilities</li> <li>iv. independent study, self appraisal (reflection) and goal setting</li> <li>v. time management and organization of study time</li> </ul>

### 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 diplomates

Cognitive	Practical	Personal & Social	Other
Applied problem solving in the context of maintaining existing installations; Analysis of information;	Technical report-writing; Computer hardware and software installation	Self motivation Organisation and time management	use of learning resources: information gathering;

### 8. Subjects Studied, Levels, Credits and Qualifications

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

Comprises 240 credits of study:

160 credits at level 1 including 20 credits Core Skills, 20 credits balancing studies AND 80 credits at level 2 including a 20 credit project

	Core Modules	Dissertation/Project	Optional Modules
<i>Higher National Diploma - 240 credits</i>			
<b>Level 2 modules</b>		20 credit HND project	Computer Security; Database Theory and Practice; Unix; Service Management; Internet 2; Wireless Networking; Network Architecture; Wide Area Networks; Network Admin
<i>HE Certificate - 120 credits</i>			
<b>Level 1 modules</b>	Core Skills; Information Systems; Internet 1; Introduction to Programming; Networking Basics; Routing Basics; Visual Programming 1 Network Operating Systems		

## **9 Learning , Teaching and Assessment Strategy**

### **Learning and Teaching Methods**

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

### **Assessment Methods**

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

## **10. Other Information**

### **Date Programme first offered**

September 1997

### **Admission Criteria**

#### *Standard Entry*

1 'A' level pass and A to C passes in 5 subjects at GCSE including English and Mathematics

Acceptable alternatives to the 'A' level pass are:

BTEC diploma/certificate

Advanced GNVQ (pass)

Equivalent qualification

#### *Non-standard Entry*

Experience and Interview

Other cases dealt with by admissions tutor on an individual basis

### **Indicators of Quality and Standards**

- i. validated by panel with external subject specialists
- ii. external examiner moderates level 1 and level 2 assignments and examinations
- iii. Validated by EdExcel Foundation

# MAPPING OF LEARNING OUTCOMES TO MODULES

## 1.1 HND Computing Technology

LEARNIG OUTCOME	<b>LCT1023</b>	<b>CST1010</b>	<b>CST1205</b>	<b>LCT1000</b>	<b>CST1202</b>	<b>LCT1019</b>	<b>LCT1020</b>	<b>LCT1014</b>	<b>LCT2504</b>	<b>LCT2506</b>	<b>LCT2509</b>	<b>LCT2503</b>	<b>LCT2518</b>	<b>CST2503</b>	<b>LCT2512</b>	<b>LCT2519</b>	<b>LCT2516</b>	<b>LCT2517</b>	<b>LCT2513</b>
K1						X	X	X	X		X	X			X	X	X	X	
K2		X		X	X			X	X	X	X	X	X	X	X	X	X	X	
K3			X		X														
S1		X						X	X		X		X		X				
S2		X		X	X					X	X			X					
S3								X	X				X		X		X		
C1		X							X			X	X	X	X				
C2		X				X	X	X	X					X	X	X	X	X	X
O1	X			X	X			X	X	X		X			X				X
O2	X			X					X			X							X
O3		X		X	X			X	X	X					X				
O4	X																		X
O5	X																		X

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

## 2 MAPPING OF ASSESSMENT METHODS TO MODULES

Note: modules that are core on the degree are shown in bold

ASSESSMENT METHOD	LEVEL 1 MODULES						LEVEL 2 MODULES										LEVEL 3 MODULES													
	LCT1000	CST1205	CST1010	CST1023	CST1202	LCT1019	LCT1020	LCT1014	LCT2513	LCT2518	LCT2515	LCT2514	CST2503	LCT2512	LCT2504	LCT2506	LCT2519	LCT2516	LCT2509	LCT2517	LCT3001	LCT3012	CST3014	LCT3008	CST3007	LCT3009	LCT3011	LCT3013	CST3009	
EXAMS (FORMAL) %	30					50	50	50		50			50	50	50	30	50	50	70	50						50	50	50	50	50
EXAMS OPEN BOOK %																														
PRACTICAL TESTS %	30	50				20	20																							
COURSEWORK %	40	50	100	100	100	30	30		100	50		100	50	50	40	50	50	30	50			50	50	50		50	50	50	50	
COURSEWORK IN CLASS %							50				100				30					100				100						