

Module Title	Professional Development	School	Mathematical & Computer Sciences				On or Off-Campus	On	
Module Co-ordinator	Nick Taylor	SCQF Level	9	Module Code	F29PD	Semester	2	Credits	15

1. Pre-requisites			
2. Linked Modules (specify if synoptic)	F29SO Software Engineering (Synoptic)		
3. Excluded Modules			
4. Replacement Module	Code:	5. Availability as an Elective	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
	Date Of Replacement:		
6. Degrees for which this is a core module	Mandatory module for BSc Computer Science, BSc Information Systems, MEng Software Engineering, BEng/MEng Computing and Electronics		
7. Aims			
	<ul style="list-style-type: none"> ◆ To instil a professional and ethical attitude toward the application of computer technology ◆ To introduce methods for the rational resolution of ethical problems ◆ To provide an appreciation of the relevant professional and legal requirements concerning computer-based systems ◆ To ensure an awareness of, and encourage deliberation about, the social implications of information technology 		
8. Syllabus			
	<p>Professionalism - British Computer Society. Rules & Regulations - Codes & Standards; Computer Law; Ethical Decision Making. Risks & Threats - Computer Crime; Viruses. Privacy & Security – Databases; Biometrics. Dependence & Change - Safety-Critical Systems; Technology & Society. Brave New Worlds - Co-operative Computing; eLife.</p>		

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9. Learning Outcomes (HWU Core Skills: Employability and Professional Career Readiness)

Subject Mastery	<p><i>Understanding, Knowledge and Cognitive Skills</i> <i>Scholarship, Enquiry and Research (Research-Informed Learning)</i></p> <p><i>Broad and integrated knowledge and understanding of:</i></p> <ul style="list-style-type: none"> ◆ British Computer Society Codes - Conduct; Practice ◆ ISO & BSI Standards - Safety; Quality; Security ◆ Statute Law - Contracts, Torts, Restitution; Data Protection; Freedom of Information, Intellectual Property; Computer Misuse ◆ Ethics - Frameworks; Decision Making <p><i>Critical understanding and detailed knowledge of:</i></p> <ul style="list-style-type: none"> ◆ Development life-cycle of a software system ◆ Bi-directional influence between technological and societal trends ◆ Current concerns over the application of computer technology ◆ Current and potential remedies to abuse of computer technology 	
Personal Abilities	<p><i>Industrial, Commercial & Professional Practice</i> <i>Autonomy, Accountability & Working with Others</i> <i>Communication, Numeracy & ICT</i></p> <ul style="list-style-type: none"> ◆ Practice in personal decision making and introspection ◆ Identification and analysis of justification of personal choices to others ◆ Critical analysis of rational reasoning, consequential reasoning and debate ◆ Practice and reflective analysis of communication skills using a variety of media ◆ Practice in working in a group, negotiating requirements, reaching a consensus, and working with others to a deadline 	

10. Assessment Methods

11. Re-assessment Methods

Method	Duration of Exam (if applicable)	Weighting (%)	Synoptic modules?	Method	Duration of Exam (if applicable)
Group Project		50	F29SO	Remedial work - individual	
Examination	1 hour	30			
Coursework		20			

12. Date and Version

Date of Proposal	15.10.2007	Date of Approval by School Committee	December 2007	Date of Implementation	September 2008	Version Number	1
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