### COURSE DETAILS

**Course Code:** F29RD  
**Full Course Title:** Professional Development  
**SCQF Level:** 9  
**SCAF Credits:** 15  
**Available as Elective:** No

### DELIVERY LEVEL

- **Undergraduate:** Yes  
- **Postgraduate Taught:** No  
- **Postgraduate Research:** No

**Additional Information:**

### COURSE AIMS

- 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

### LEARNING OUTCOMES – SUBJECT MASTERY

**Broad and integrated knowledge and understanding of:**

- **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

**Critical understanding and detailed knowledge of:**

- 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  
- Can apply learned knowledge to work based computing projects

### LEARNING OUTCOMES – PERSONAL ABILITIES

- 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
F29RD Professional Development

- Aware of and can adapt to distinctive features of industrial practice as appropriate
- Can identify, define, and analyse alternative project scenarios
- Take significant responsibility for their work and for a range of resources

- Practice in working in a group, negotiating requirements, reaching a consensus, and working with others to a deadline

- Can communicate effectively with work colleagues on learned issues

SYLLABUS

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.

COURSE RELATIONSHIPS

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LOCATION AND ASSESSMENT METHODS

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