F29PD Professional Development

COURSE DETAILS

Course Code: F29PD
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

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

Assessment info - ALP’s ONLY:

Coursework

All summative coursework should be completed to a satisfactory standard, (Grade D), for a student to pass the course but will not form part of the final grade.