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.