# Foundation Degree in Computing

## *CO599*

## *Work-Related Project*
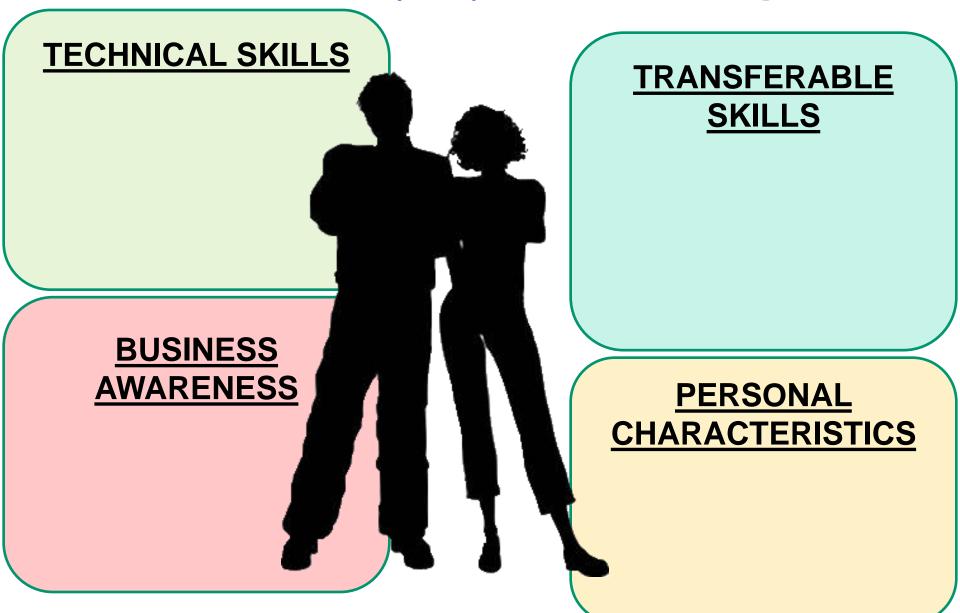
# Activity 1 – Discussion Exercise

# What Are Employers Looking For?

# What Are Employers Looking For?

**TECHNICAL SKILLS**

**TRANSFERABLE SKILLS**
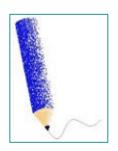
**BUSINESS AWARENESS**
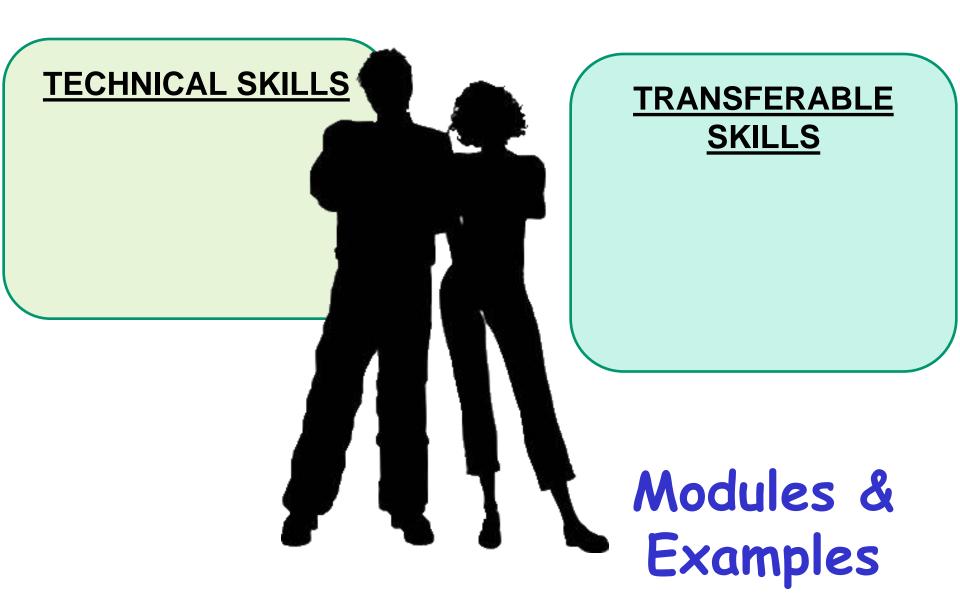
**PERSONAL CHARACTERISTICS**

# Activity 1 – Some Answers

# What Are Employers Looking For?

# Activity 2 – Personal Review

# What Have You Learned On Your Course So Far?

# Consider: What Technical & Transferable Skills?

**TECHNICAL SKILLS**

**TRANSFERABLE SKILLS**

Modules & Examples

# Modules So Far

- Year1: Computer Architecture

# Modules So Far

- Year 1: Programming Concepts & Application Programming

# Modules So Far

- Year 1: Networking
- Year 2: Network Systems

# Modules So Far

- Year 1: Web Development
- Year 2: Web Applications

# Modules So Far

- Year 1: User Experience

# Modules So Far

- Year 1: Business Modelling

# Modules So Far

- Year 2: Database Design

# Modules So Far

- Year 2: Object Oriented Systems Development

# Work-Related Project

- This module focuses upon the **personal and professional development** of the Student. There will be an opportunity to carry out a **project** that relates to some real-life or current problem in computing and IT; the project may be identified and undertaken with the involvement of a local company and could be an individual or small group project. Key **project management skills** will be developed, including research and investigative skills, problem solving and critical analysis.

# Work-Related Project

○ Meanwhile, the Student will be required to take a broader **responsibility for their own development** in different contexts, reflecting regularly about their learning and experiences. Students will be expected to compile a detailed reflective diary or portfolio (including a CV) that presents **evidence of their development**, as well as a project report alongside any related deliverables.

# **Learning Objectives (part 1)**

○ LO1. Compile and present evidence of your personal and professional development.

○ LO2. Articulate and explain your achievements, experiences and competencies, in order to review and plan your own continuing development.

# Learning Objectives (part 2)

- LO3. Select, specify, plan and conduct a project to address the particular requirements of a user, customer or business context.

- LO4. Communicate effectively, with well-structured verbal and written reports, as demanded in academic and professional domains.

# Indicative Content

- Personal review and evaluation
- Undertaking developmental activities and experiences
- Portfolio of experiences and developmental activities

- Select, specify, plan and conduct a project
- Report and evaluate the project

# Indicative Content

- Personal review and evaluation
- Undertaking developmental activities and experiences
- Portfolio of experiences and developmental activities

**Taking responsibility for planning and achieving personal development g**

- Select, specify, plan and conduct a project
- Report and evaluate the project

# Indicative Content

- Personal review and evaluation
- Undertaking developmental activities and experiences
- Portfolio of experiences and developmental activities

- Select, specify, plan and conduct a project
- Report and evaluate the project

Carrying out a work-related project that may be a simulated or real work experience
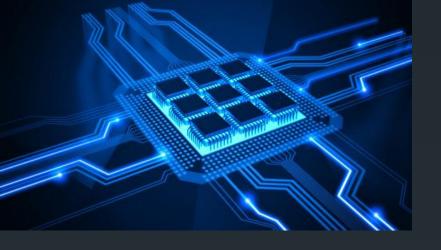
# Assessment

**Assessment Summary:**

| Assessment Task | Key Dates | |
| --- | --- | --- |
| • **Reflective Diary Part 1 (Feedback and advice on your progress)** | Submit for feedback: | Week 8 in class (Tues 17$^{th}$ March 2015) |
| • **CW1 – Reflective Diary Part 2 (40% of the module marks)** | Submit for marking: | Week 12 (Wed 6$^{th}$ May 2015) |
| • **CW2 – Project Report (60% of the module marks)** | Submit for marking: | Week 14 (w/c 20$^{th}$ May 2015) |

# Activity 3 – Personal Review

Thinking About Yourself and Your Personal Development Needs and Objectives

# CO454 Digital Technologies and Professional Practice
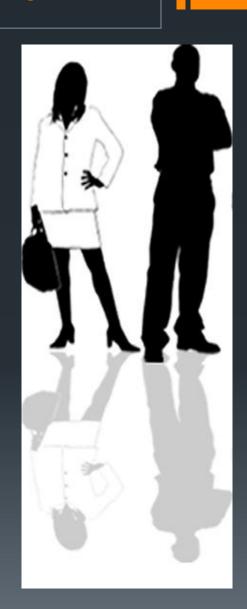
# Job Specification / Career Description

- To gain an understanding of candidate profile:

  - **Technical skills**

  - **Generic transferable skills**

  - **Personal characteristics**

  - **Business awareness**

# Understanding Job Requirements

- A job description represents **what you want to develop into**

- Objectives for your own **personal development**

- Via your course and other experiences, you need to **develop appropriate soft skills and technical competencies**

INFO~TECH
research group

**Job Description – Software D**

**Title**

Software Developer

**Description**

The software developer's role is to design, code, test, and ana applications. This includes researching, designing, documentin specifications throughout the production lifecycle. The software amend software errors in a timely and accurate fashion and pr required.

**Responsibilities**

**Strategy & Planning**
- Assist other developers, analysts, and designers in co software programs and applications.
- Plan phases of the software development life cycle (SI
- Assist in the preparation and documentation of softwa
- Research and document requirements of software use

**Acquisition & Deployment**
- Conduct research on emerging application developme and standards in support of procurement and developr
- Recommend, schedule, and perform software improve

**Operational Management**
- Consistently write, translate, and code software progr specifications.
- Run and monitor software performance tests on new a purposes of correcting errors, isolating areas for impro
- Administer critical analysis of test results and deliver s
- Generate statistics and prepare and write reports for m on the status of the programming process.

# Personal Development
## Continuing Professional Development (CPD)



**Identify Goals**
What areas of my work are likely to change in the future? What do I aim to achieve?

**Determine the skills required**
What additional skills are required in order to meet my goals?

**Plan to achieve development goals**
How do I acquire or maintain the relevant skills to the required level?

**Record Training**
What activities have I undertaken?

**Evaluate and Review**
Have I made progress towards my goals?

# Personal Development
## Continuing Professional Development (CPD)



Identify Goals
What areas of my work are likely to change in the future? What do I aim to achieve?

Determine the skills required
What additional skills are required in order to meet my goals?

Plan to achieve development goals
How do I acquire or maintain the relevant skills to the required level?

Record Training
What activities have I undertaken?

Evaluate and Review
Have I made progress towards my goals?

# Personal Development
## Continuing Professional Development (CPD)

**Identify Goals**
What areas of my work are likely to change in the future? What do I aim to achieve?

**Determine the skills required**
What additional skills are required in order to meet my goals?

**Evaluate and Review**
Have I made progress towards my goals?

**Plan to achieve development goals**
How do I acquire or maintain the relevant skills to the required level?

**Record Training**
What activities have I undertaken?

# Personal Development
# Continuing Professional Development (CPD)



**Identify Goals**
What areas of my work are likely to change in the future? What do I aim to achieve?

**Determine the skills required**
What additional skills are required in order to meet my goals?

**Plan to achieve development goals**
How do I acquire or maintain the relevant skills to the required level?

**Record Training**
What activities have I undertaken?

**Evaluate and Review**
Have I made progress towards my goals?

# Personal Development
# Continuing Professional Development (CPD)



**Identify Goals**
What areas of my work are likely to change in the future? What do I aim to achieve?

**Determine the skills required**
What additional skills are required in order to meet my goals?

**Plan to achieve development goals**
How do I acquire or maintain the relevant skills to the required level?

**Record Training**
What activities have I undertaken?

**Evaluate and Review**
Have I made progress towards my goals?

# Personal Development
## Continuing Professional Development (CPD)



**Identify Goals**
What areas of my work are likely to change in the future? What do I aim to achieve?

**Determine the skills required**
What additional skills are required in order to meet my goals?

**Plan to achieve development goals**
How do I acquire or maintain the relevant skills to the required level?

**Record Training**
What activities have I undertaken?

**Evaluate and Review**
Have I made progress towards my goals?
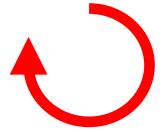
# Personal Development
# Continuing Professional Development (CPD)



**Identify Goals**
What areas of my work are likely to change in the future? What do I aim to achieve?

**Determine the skills required**
What additional skills are required in order to meet my goals?

**Plan to achieve development goals**
How do I acquire or maintain the relevant skills to the required level?

**Record Training**
What activities have I undertaken?

**Evaluate and Review**
Have I made progress towards my goals?

Repeat

# Taking Responsibility for your Learning and Development

- Different stages in your life

- Different ambitions

- Prepare and position yourself to take advantage of different opportunities

- Adapt, develop, survive, be successful

# Activity 3 – Personal Review

Thinking About Yourself and Your Personal Development Needs and Objectives

- Strengths & Weaknesses
- Evidence & Examples

## Assessing Your Skills – Learning Skills

| Learning Skills | Estimate your current level of skill | | | | Evidence and examples (why you have rated your current skill as shown) | Priority for improvement | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | | 1 | 2 | 3 | 4 |
| | High | | | Low | | High | | | Low |
| 1. Organising yourself and your time | | | | | | | | | |
| 2. Note taking | | | | | | | | | |
| 3. Gathering information from journals/books | | | | | | | | | |
| 4. Gathering information from Internet/databases | | | | | | | | | |