



# Software Engineering Project

5 Credits

# Module Delivery

- Contact Hours 36
- Directed Study Hours 32
- Independent Study Hours 32 +

# Contact Hours

- 2 x 1 hour project lab  
system implementation / code support
- 1 x 1 hour project support  
Visual Studio 2010 (C#.Net)
- Attendance monitored

# Module Aims

- Implement a basic software system (which you have designed)
- Integrate database concepts and software engineering skills
- Test the implemented software system
- Present the implemented system

# Content

- Project Proposal
- System design (10%)
- User interface design (prototype) (20%)
- System implementation/Testing (55%)
- User documentation (5%)
- Presentation - Q & A (10%)

# Project Proposal

- Each student must submit a project proposal.

This is a simple overview of your project.

- The project proposal form can be copied from the X:\ drive
- Complete the proposal using MS Word
- Print the form when completed
- Sign/ date the form and return it to your supervisor by Friday 24<sup>th</sup> January 2014.

# System Design – 10%

- Students may use the system design completed in Structured Analysis and Design module (Semester I)
- Modifications/Revisions can be made to this design as your implementation requires
- Some additional work  
eg. Complete program specifications for all required functions

# User Interface (Prototype) – 20%

## Using Visual Studio 2010 (C#.Net)

- Create each form in the proposed system
- Visual programming only (reduce validation)
- Appropriate use of controls / properties
- Enable navigation from one form to another



# Implementation

- Create an Oracle script to generate the database
  - add to this schema incrementally
- Add functionality to your prototype
  - write classes and methods
    - Public interface
    - Private implementation
- Software testing

# User Documentation

- Revised system design
- User manual (for **some** implemented functions)

# Presentation

- Informal presentation to supervisor and one other lecturer
- 10-15 minute duration
- Demonstrate what you have achieved
- Ability to answer questions about your delivered system



# Module Deliverables (Provisional)

Weekly meeting report:

Will be completed each week at lab session.

Will document student progress.

# Assessment

- 100% CA
- The presentation is a mandatory component of this module
- Overall results will not be awarded until the presentation is completed
- No repeat strategy;
  - Do NOT assume you can submit in the Autumn (Exam board decision).