Courses

P10297: BEng (Hons) SOFTWARE ENGINEERING
P12053: BSc (Hons) COMPUTER SECURITY AND FORENSICS
P12069: BSc (Hons) COMPUTER SCIENCE
P13817: BSc (Hons) COMPUTER SCIENCE (ARTIFICIAL INTELLIGENCE)
P13796: BSc (Hons) COMPUTER SCIENCE (CYBER SECURITY)
P13797: BSc (Hons) COMPUTER SCIENCE (DATA SCIENCE)
P13798: BSc (Hons) COMPUTER SCIENCE (GAMES)
P13795: BSc (Hons) COMPUTER SCIENCE (NETWORKING)

Courses

P13692: BSc (Hons) COMPUTER SCIENCE (EXTENDED) (UGIC)
P14128: BSc (Hons) COMPUTER SCIENCE (ARTIFICIAL INTELLIGENCE) (EXTENDED) (UGIC)
P14062: BSc (Hons) COMPUTER SCIENCE (CYBER SECURITY) (EXTENDED) (UGIC)
P14063: BSc (Hons) COMPUTER SCIENCE (DATA SCIENCE) (EXTENDED) (UGIC)
P14064: BSc (Hons) COMPUTER SCIENCE (GAMES) (EXTENDED) (UGIC)
P14061: BSc (Hons) COMPUTER SCIENCE (NETWORKING) (EXTENDED) (UGIC)

Staff

Project Coordinator - Yasmine Arafa

BEng Software Engineering, BSc Computer Science, BSc Computer Security and Forensics - Peter Smith.

BSc Business Computing, BSc Computing - Keeran Jamil.

Enterprise projects - Georgios Samakovitis.

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Recommended Reading

Books

- Dissertations and Project Reports: A Step-by-Step Guide, Palgrave Study Skills, Dr Stella by Cottrell
- How to Write Your Undergraduate Dissertation, Palgrave Study Skills, B. Greetham
- The Essence of Computing Projects: A Student's Guide, Prentice Hall, Dr Christian Dawson

Lecture schedule

Introduction to Projects
Journal Access
Introduction to LaTeX
Academic Writing
Legal, Social, Ethical and Professional Issues
Report Structure

Final Year Project

The final year project is the culmination of the degree.

It is your opportunity to demonstrate all you have learned.

You are supervised, but, the onus and responsibility is on you to define the problem, identify the problem boundaries, investigate possible solutions, and produce a product.

There are 30 weeks left until your project hand in.

Supervision

First Supervisor
Second Supervisor

All school staff are available for advice

No supervisor - contact school office.

Course Structure

Semester one

Lecture, two-hour tutorial

Semester two

First and Second Supervisor meetings by appointment

	BEng Software Engineering BSc Computer Science BSc Computer Science (Cyber Security) BSc Computer Science (Games)		BSc Computer Security and Forensics BSc Computer Science (Artificial Intelligence) BSc Computer Science (Data Science) BSc Computer Science (Networking)	
Semester 1	COMP 1682 Individual Project	15 Credit Module	15 Credit Module	15 Credit Module
Semester 2	COMP 1682 Individual Project			15 Credit Module

Assessment

Project Report - around 8000 to 12000 words.

Product.

Demonstration, Viva, Poster, Degree Show.

Marking

First and second supervisors

School moderation panel

External examiners

Classification

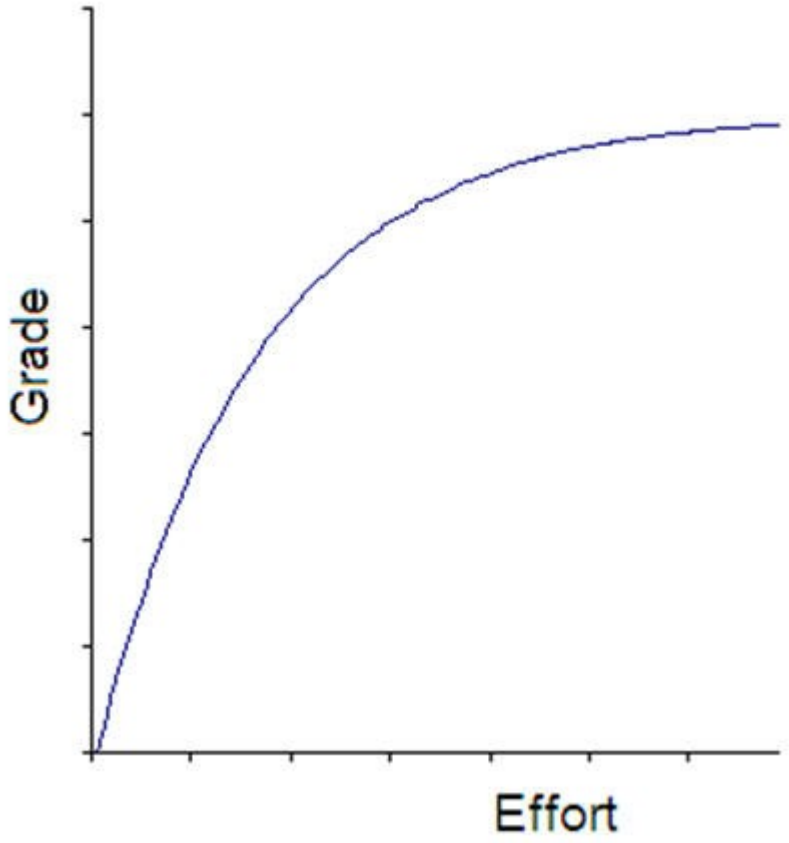
1st Class Honours > 70%

2:1 Upper Second Honours > 60%

2:2 Lower Second Honours > 50%

3rd Class Honours > 40%

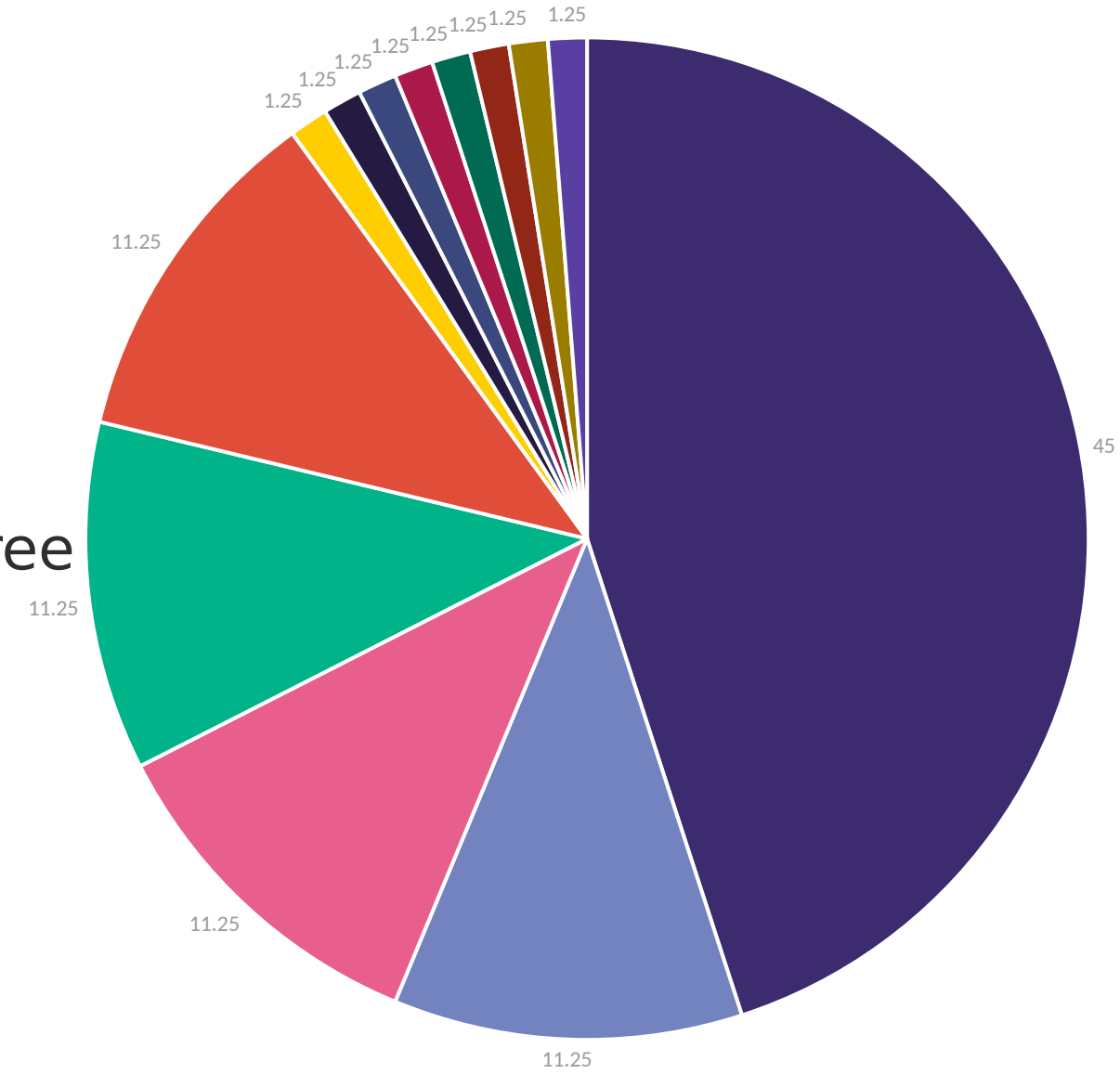
Pass



Weighting

Year two - 10%
Year three - 90%

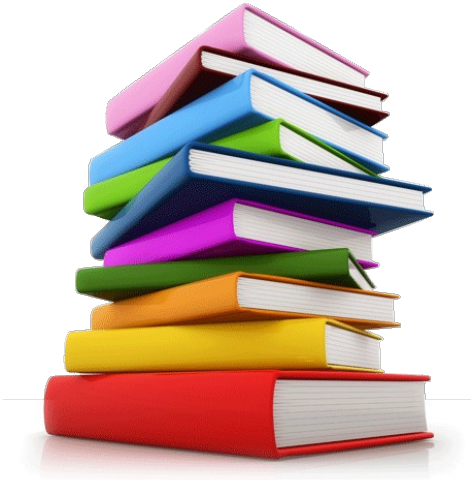
Project is worth 45% of your degree



Commitment

You should be working at least a 40 hour week.

For the first 6 weeks, 30 hours of this should be dedicated to the project, and the remaining 10 hours to your modules.



Your Time

Your University fees are approximately 10,000 pounds, the average cost of living for a student is approximately 10,000 pounds a year. (rent, food, travel)
Giving 20,000 pound outlay.

You should be working at least a 40 hour week.
There are 30 weeks to the end of your project.
It is therefore costing you 20,000 / 30 = 667 pounds a week.

For a forty hour week, the cost per hour is 667 / 40 = 17 pounds per hour.

Part Time Work

Don’t!

Key Dates

13th November - Project Proposal Deadline 10% of your project mark

15th January – Contextual report deadline.

22nd April - Final Report Submission Deadline

25th - 26th April - Project Presentations, Viva, Poster and Degree Show.

Development Mark

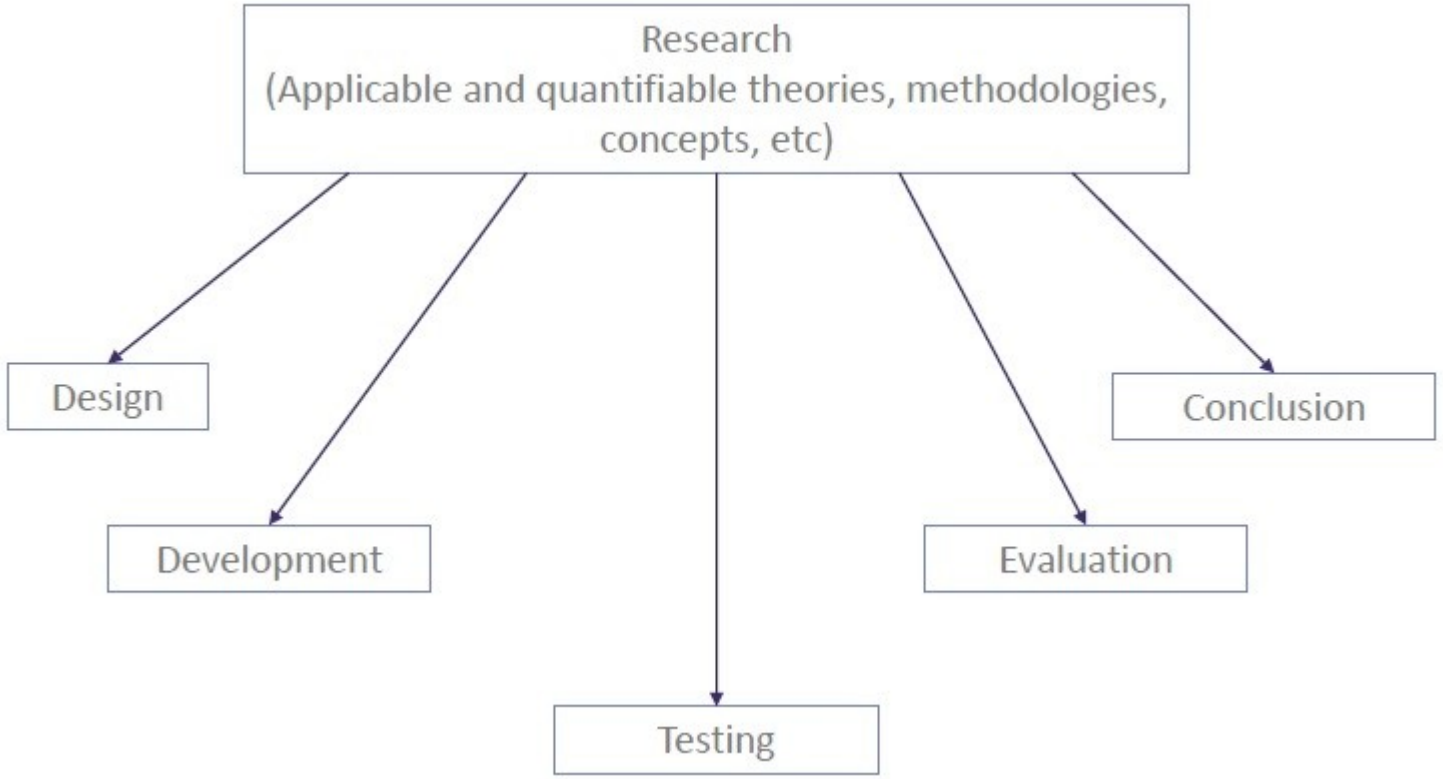
Weekly Uploads.

System has cut off dates.

Attendance matters.

Engage with your supervisors as much as possible, they are the ones marking you.

Project Structure



Choice of Project

A suitable project will be:-

- Narrow
  - well defined scope
- Deep
  - of academic interest
- Relevant
  - to your degree
- Current
  - techniques and technologies
- Novel
  - no re-inventing of wheels
- Achievable
  - within the timescale

Choice of Project

Your project must attempt to either answer a question or solve a problem relevant to your programme of study

THE PROJECT MUST HAVE A PRODUCT

Do not start with a solution before establishing the problem.

List of project topics - double edged sword

The decision as to which technology, architecture, approach, implementation, or whatever you are to use in your project must emerge from your research and investigation.

Choice of Project

Project Title

One of the last things to be finalised.

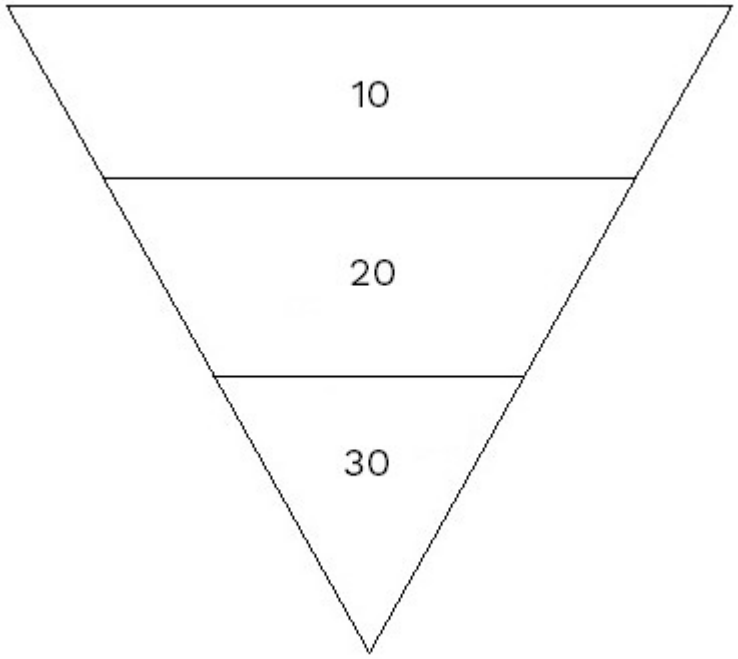
Reading

Journals only.

Only use journals less than three years old.

This week start with ACM Computing Surveys and IEEE Communications Surveys and Tutorials.

These journals can be accessed from the library.



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COMP 1682 Final Year Project

Journal Logs

For each journal you read, you should document it using a journal log.

Journal Title

Title of Journal

References

All references should adhere to The Harvard System of Referencing.

Synopsis

This can be copied from the abstract, or just sketched out in your own words. It is always better to try sketch out your own thoughts and understanding of an article as it forces you to think about what you are reading.

Useful Quotes

Copy out any quotes that captures essential points in the text and the quote can be referenced in its original context.

Personal Reflection

200 or so words capturing your impression of what you have read. Why is it important, or not important? What is the author trying to say? Who was influenced by it, or influenced it?

Questions Raised

Sets of questions the material leaves unanswered, or that undermine the conclusions reached. These questions might eventually form the basis of a research project or larger critique.

Notes

Any other notes, thoughts, arguments, or feelings about what you have read.

Project Ideas

Ideas will occur at the strangest of times.

Carry a note pad at all times.

Have a note pad by your bed.

This Week

- Make a spreadsheet to calculate the minimum you need in each component, to achieve your desired classification.
- Buy a wall planner and plan the next 30 weeks.
- Make a week planner, you should have 30 hours of reading mapped out.
- Read five to ten journal papers and document using the journal logs.
- Complete the exercise 'How to Select a Project Topic'.

LaTeX

Your project report must be written in LaTex

Download Texmaker from

https://www.xm1math.net/texmaker/index.html

Familiarise yourself with the software.