

# Module Information

Module Identifier	<b>CS39440</b>
Module Title	<b>Major Project</b>
Academic Year	<b>2015/2016</b>
Co-ordinator	<b><u>Mr Neil Scott Taylor (mailto:nst@aber.ac.uk?subject=CS39440)</u></b>
Semester	<b>Semester 2</b>
Mutually Exclusive	<b><u>CS39930 (?m=CS39930)</u></b>
Mutually Exclusive	<b><u>CS39620 (?m=CS39620)</u></b>
Mutually Exclusive	<b><u>CC39440 (?m=CC39440)</u> Majors only</b>
Pre-Requisite	<b>Students must be registered in the Department on single or major honours</b>

## Course Delivery

<b>Delivery Type</b>	<b>Delivery length / details</b>
Lecture	Up to 10, 1-hour lectures
Seminars / Tutorials	Weekly meeting with member of staff supervising the project.

## Assessment

<b>Assessment Type</b>	<b>Assessment length / details</b>	<b>Proportion</b>
Semester Assessment	Practical Demonstrations and Initiative Resit failed examination and/or resubmission of failed/non-submitted coursework components or ones of equivalent value	30%
Semester Assessment	Written Report (up to 20,000 words) and associated technical work.	70%
Supplementary Assessment	Resit Assessment Resubmission of failed/non-submitted coursework components or ones of equivalent value.	100%

## Learning Outcomes

On successful completion of this module students should be able to:

Demonstrate the ability to analyse a problem, develop an approach to investigate or solve that problem and complete a piece of work under the direction of a supervisor, but demonstrating self-discipline, organization and initiative.

Demonstrate the ability to gain experience in a particular area, largely through self-directed study.

Demonstrate an ability to independently apply the key achievements of their degree studeies.

Produce a critical written and verbal appraisal of their work, evaluating all aspects of their approach.

## Brief description

Students must complete a substantial piece of technical and written work under the direction of a supervisor but involving self discipline, organisation and initiative. The projects typically involve developing a piece of software from an initial statement of requirements through specification and design stages, to successful implementation and testing. For students with a suitable background the project may contain a hardware element. Other projects may research technical areas and develop software and processes to assess those areas.

By working on this project, the students will learn to apply and develop their skills to the selected programme, complete the project and document their progress. The students will develop a complete product from the stage of specifying requirements through to demonstrating that the product does indeed satisfy those requirements. This process involves producing appropriate documentation, including documentation of the design decisions made. Research focussed projects will also emphasise research process and the evaluation of the results.

## Content

There are up to 10 lectures associated with the project.

Various written materials will be provided, giving guidance on carrying out the project, assessment issues, and the project submission. Students are expected to organise their time on the project each week and to see their supervisor regularly. This course is assessed on technical achievement, as evidenced by demonstrations, the technical work and results, together with a substantial written report.

## Aims

To undertake a substantial piece of technical work that draws together the skills developed during the student's course. To report on the technical work in the form of demonstrations, discussion and a written report.

## Module Skills

Skills Type	Skills details
Application of Number	Application of number is inherent in the study of Computing.
Communication	This module should be beneficial to their written (dissertation) and oral (demonstration) communication skills.
Improving own Learning and Performance	The student is asked to reflect on their learning and performance.
Information Technology	Information technology is inherent in the study of Computing.
Personal Development and Career planning	This module should help the students understand the potential of their specific degree for providing employment, and provide them with significant material for their portfolios.
Problem solving	Problem solving is inherent in the implementation of Computing systems.

<b>Skills Type</b>	<b>Skills details</b>
Research skills	They will need to explore and write about a domain of application for computing systems.
Subject Specific Skills	More detailed knowledge in certain subject specific skills will be developed as a result of working on the project. These skills will be different for each student.
Team work	Not relevant

## Notes

This module is at CQFW (<http://wales.gov.uk/topics/educationandskills/qualificationsinwales/creditqualificationsframework/?lang=en>) Level 6