

MODULE TITLE	Individual Literature Review and Project		CREDIT VALUE	45
MODULE CODE	ECM3401		MODULE CONVENER	Dr Sareh Rowlands (Coordinator), David Walker (Coordinator)
DURATION: TERM	1	2	3	
DURATION: WEEKS	12 weeks	11 weeks	0	
Number of Students Taking Module (anticipated)		49		

#### DESCRIPTION - summary of the module content

This is the module in which everything you have learnt in your Computer Science studies comes together in a substantial piece of individual project work, involving initial research and literature review, and specification and design of a software system, followed by implementation, testing, evaluation, and demonstration of the system. You will work under the supervision of an individual staff member who will provide guidance and advice as appropriate.

Prerequisite module: ECM2414, ECM2434 or equivalent

#### AIMS - intentions of the module

The aim of the module is to enable you to consolidate the knowledge, understanding, techniques and skills acquired over the previous two years through the specification, design, implementation, testing, evaluation and demonstration of a software system. The module includes both initial research into the project area (including production of a literature review) and production of the system itself following an appropriate development method.

#### INTENDED LEARNING OUTCOMES (ILOs) (see assessment section below for how ILOs will be assessed)

On successful completion of this module, **you should be able to:**

##### Module Specific Skills and Knowledge:

- 1 plan a substantial project taking account of foreseeable risks, ethical considerations, etc;
- 2 follow a disciplined development method in the production of software
- 3 exercise programming skills to produce effective and correct code in accordance with a design.

##### Discipline Specific Skills and Knowledge:

- 4 master writing styles appropriate to both a theoretical discursive document and a technical report, including use of tables and figures and good referencing practice.

##### Personal and Key Transferable/ Employment Skills and Knowledge:

- 5 undertake independent research in a chosen topic, summarise findings and provide critical analysis;
- 6 impart the results of your work through oral presentation and practical demonstration;
- 7 manage your work effectively, with appropriate time planning, attendance at meetings and timely submission of deliverables.

#### SYLLABUS PLAN - summary of the structure and academic content of the module

- Students are expected to have weekly regular meetings with their supervisor;
- the regular meetings in the first four weeks are expected to cover project scope, risk assessment, ethical considerations, literature review plan, time plan and a list of references;
- the literature review may cover software as well as both printed literature and web sources, all of which must be referenced in a correct and consistent style; at least two pages at the end of the document should take the form of an informal specification of the project making reference to specific technologies or methods informed by the literature review.
- the final report will cover details of design, implementation, testing and evaluation;
- you will give a presentation followed by a demonstration of the software produced to the two markers.
- 10% of the marks for the module will come from your supervisor's report, which will take into account your progress throughout the year, including attendance at meetings, submission of agreed deliverables.

#### LEARNING AND TEACHING

##### LEARNING ACTIVITIES AND TEACHING METHODS (given in hours of study time)

<b>Scheduled Learning &amp; Teaching Activities</b>	<b>16.00</b>	<b>Guided Independent Study</b>	<b>434.00</b>	<b>Placement / Study Abroad</b>	<b>0.00</b>
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##### DETAILS OF LEARNING ACTIVITIES AND TEACHING METHODS

Category	Hours of study time	Description
Scheduled learning and teaching activities	4	Lectures
Scheduled learning and teaching activities	12	Individual supervision
Guided independent study	434	Private study and practical work

#### ASSESSMENT

##### FORMATIVE ASSESSMENT - for feedback and development purposes; does not count towards module grade

None

##### SUMMATIVE ASSESSMENT (% of credit)

<b>Coursework</b>	<b>90</b>	<b>Written Exams</b>	<b>0</b>	<b>Practical Exams</b>	<b>10</b>
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##### DETAILS OF SUMMATIVE ASSESSMENT

Form of Assessment	% of Credit	Size of Assessment (e.g. duration/length)	ILOs Assessed	Feedback Method
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Form of Assessment	% of Credit	Size of Assessment (e.g. duration/length)	ILOs Assessed	Feedback Method
Literature Review and Project Specification	20	10 pages	4,5	Written feedback using customised marksheet
Final Report and Demo (including a presentation)	70	20-page report and 30-minute demo (including 5-10 minute presentation)	All	Written feedback using customised marksheet
Supervisor's Report	10	N/A	1,2,7	Oral feedback from supervisor.

#### DETAILS OF RE-ASSESSMENT (where required by referral or deferral)

Original Form of Assessment	Form of Re-assessment	ILOs Re-assessed	Time Scale for Re-reassessment
As above	Final Report (with presentation and demonstration)	All	Completed over summer with a deadline in August

#### RE-ASSESSMENT NOTES

Reassessment will be by resubmission of the final report (with presentation and demonstration) only. For referred candidates, the mark will be capped at 40%. For deferred candidates, the mark will be uncapped.

### RESOURCES

**INDICATIVE LEARNING RESOURCES - The following list is offered as an indication of the type & level of information that you are expected to consult. Further guidance will be provided by the Module Convener**

**Basic reading:**

**ELE:** <http://vle.exeter.ac.uk/>

**Web based and Electronic Resources:**

**Other Resources:**

**Reading list for this module:**

There are currently no reading list entries found for this module.

<b>CREDIT VALUE</b>	45	<b>ECTS VALUE</b>	22.5
<b>PRE-REQUISITE MODULES</b>	ECM2414, ECM2434		
<b>CO-REQUISITE MODULES</b>			
<b>NQF LEVEL (FHEQ)</b>	6	<b>AVAILABLE AS DISTANCE LEARNING</b>	No
<b>ORIGIN DATE</b>	Tuesday 10 July 2018	<b>LAST REVISION DATE</b>	Wednesday 08 February 2023
<b>KEY WORDS SEARCH</b>	Project; literature review; computing; software development.		