ROBERT GORDON UNIVERSITY ABERDEEN

MODULE DESCRIPTOR

Module Title

Honours Individual Project

Reference	CM4105	Version	4
Created	June 2022	SCQF Level	SCQF 10
Approved	July 2016	SCQF Points	30
Amended	July 2022	ECTS Points	15

Aims of Module

To enable the student to undertake a substantial professional computing project, relevant to their degree title. Students are expected to apply practical and analytical skills to design, implement and critically evaluate a solution to a problem that meets a real need. Students will demonstrate in-depth technical, problem-solving skills, innovation and creativity. Students will have to conform to the appropriate university codes or practice and ethical requirements.

Learning Outcomes for Module

On completion of this module, students are expected to be able to:

1	Conduct requirements gathering, research relevant literature and analyse similar products in order to formulate a problem. Articulate clearly the objectives of the project.
2	Conduct an in-depth literature review and analyse the legal, social, ethical and professional issues relevant to the project.
3	Produce a feasible project plan, attend scheduled meetings with client/supervisor and successfully manage the project to completion.
4	Select and apply suitable technologies and appropriate analysis, design, implementation, testing and other relevant techniques to develop an appropriate project solution/artefact.
5	Describe and critically evaluate the project in the form of a professionally documented report and demonstration.

Indicative Module Content

There is no formal syllabus for this module. Students may be allocated to a project area (guided by their preferences). The topics may arise from a collaboration with industry or from existing research and development activities within the School. Students may also propose their own project topics; in such cases, the project supervisor will assess the proposed project to ensure that it is at the appropriate level and that the necessary resources are available. Students will develop their project specification and plan their project in conjunction with their project supervisor.

Module Delivery

An initial lecture session followed by individual supervision from project supervisors on a regular basis to direct the student as needed and provide feedback on work submitted as the project progresses. The student is able to call on expert guidance throughout the project development lifecycle. There will be an oral presentation of the project, designed to allow the student to practice their presentation skills. The student will produce a summary poster and a final project report.

Indicative Student Workload

	Full Time	Part Time
Contact Hours	27	N/A
Non-Contact Hours	273	N/A
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	300	N/A
Actual Placement hours for professional, statutory or regulatory body		

ASSESSMENT PLAN

If a major/minor model is used and box is ticked, % weightings below are indicative only.

Component 1

Type:	Coursework	Weighting:	100%	Outcomes Assessed:	1, 2, 3, 4, 5
Description:	Individual honours project consisting of a project proposal, report and demonstration.				

MODULE PERFORMANCE DESCRIPTOR

Explanatory Text

The calculation of the overall grade for this module is based on 100% weighting of C1. An overall minimum grade D is required to pass the module.

Module Grade	Minimum Requirements to achieve Module Grade:
A	The student needs to achieve an A in C1
B	The student needs to achieve a B in C1
C	The student needs to achieve a C in C1
D	The student needs to achieve a D in C1
E	The student needs to achieve an E in C1
F	The student needs to achieve an F in C1
NS	Non-submission of work by published deadline or non-attendance for examination

Module Requirements

Prerequisites for Module	None.
Corequisites for module	None.
Precluded Modules	None.

ADDITIONAL NOTES

Relevant information for the projects can be found in a number of online resources. These include the following databases: ACM Digital Library http://dl.acm.org Springer Computer Science http://www.springer.com/computer?SGWID=0-146-0-0-0 IEEE Xplore Digital Library http://ieeexplore.ieee.org/Xplore/guesthome.jsp Sciencedirect http://www.sciencedirect.com

INDICATIVE BIBLIOGRAPHY

1	DAWSON, C., 2015. Projects in Computing and Information Systems: A Student's Guide. 3rd ed. Pearson Education.
2	HAYLEY, S., 2017. Literature Review: How to do it quickly and effectively at crunch time: For Undergraduate and Postgraduate Students. Kindle edition.
3	ZOBEL, J., 2015. Writing for Computer Science. 3rd ed. Springer.