

MODULE SPECIFICATION

Please contact your College Learning and Teaching Team for guidance completing this form:
 Colleges of Arts & Social Sciences and of Business & Law – cass-tandlteam@salford.ac.uk
 College of Health and Social Care – chsc-teaching@salford.ac.uk
 College of Science and Technology – cst-tl@salford.ac.uk

This form is available to download from http://www.governance.salford.ac.uk/page/aqa_forms).

Date of completion of this version of Module Specification: 12/01/2016				
Date of approval by the USP: 26/01/2016				
1. Module Title: (Full title and short title no more than 30 characters) Research Project			2.CRN: 34049	
3.University module code: F300 M0008		4.HESA/JACS subject area code ¹ : F300		
5.Level: Level 7	6.Credit Value: 60	7.ECTS Value ⁱⁱ : 30	8.Length of module in semesters: 2	9.Month(s) in which to be offered ⁱⁱⁱ : September
10.Module Status ^{iv} Existing	11.Title of Module being replaced (if any):		12.With effect from ^v (academic year): September 2016	
13.Originating School: School of Computing, Science & Engineering		14.Module Leader(s) Dr Richard Pilkington		
15.Programme(s) in which to be offered ^{vi} : MPhys (Hons) Physics MPhys (Hons) Physics with Professional Experience MPhys (Hons) Physics with Acoustics MPhys (Hons) Physics with Acoustics with Professional Experience MPhys (Hons) Physics with Studies in North America This module has a subject JACS code that requires applicants from outside the European Economic Area (EEA) and Switzerland to hold an Academic Technology Approval Scheme (ATAS) certificate. This requirement also extends to any programme to which this module is attached. The list of JACS codes for which an ATAS certificate is required can be found via the following link: https://www.gov.uk/government/publications/taught-masters-student-jacs-codes				
16.Pre-requisites (between levels):		None	17.Co-requisites (within a level):	
			None	
18.Indicative learning hours (breakdown of hours required) ^{vii} 600				
Lecture	12	Fieldwork		
Seminar		External visits		
Tutorial		Work based learning		
Project supervision	24	Guided independent study		564
Demonstration Practical classes and workshops		Placement		
Supervised time in studio/workshop		Year abroad		
Other – please specify ^{viii}				
19.Percentage of module taught by School(s) other than originating School: 0%				

20.Aims of Module^{ix}: (maximum of 5)

1. To train the student to carry out a research or development project individually, under guidance of a personal supervisor with the assistance, possibly, of other research workers.

21.Intended Learning Outcomes^x

Knowledge and Understanding (maximum of 5)^{xi}

On successful completion the student will be able to:

1. demonstrate an understanding of techniques applicable to their research, show originality in the application of knowledge, together with a practical understanding of how established techniques of research and enquiry are used to create, interpret and evaluate critically, knowledge within the chosen project area
2. deal with complex issues both systematically and creatively, make sound judgements in the absence of complete data, demonstrate self-direction and originality in tackling and solving problems, and act autonomously in planning and implementing tasks at a professional or equivalent level.
3. communicate information, ideas, problems and solutions to both specialist and non-specialist audiences.

Transferable/Key Skills and other attributes (maximum of 5)

On completion:

4. Students will be able to demonstrate excellent communication skills, effort, initiative and personal responsibility, decision-making in complex and unpredictable situations and an independent learning ability required for continuing professional development.
5. Students will have shown originality in the application of knowledge, and they will understand how the boundaries of knowledge are advanced through research. They will be able to deal with complex issues both systematically and creatively, and they will show originality in tackling and solving problems. They will have the qualities needed for employment in circumstances requiring sound judgement, personal responsibility and initiative in complex and unpredictable professional environments.
6. Students will have demonstrated communication through written material.
7. Students will have demonstrated communication through oral presentations.

22. Module mark calculation: Method A

23.Assessment components (in chronological order of submission/examination date)

Denote final assessment component in box marked **final assessment component (99)**

Type of assessment	Identify which ILO is met by number ^{xii}	Weighting %	Duration	Word count	Component pass required ^{xiii}	E Submission	Assessment organised by
1 – Portfolio 1 (Research Methods – Written Assignment and Presentations)	1,3,4,6,7	30			No	No	School
					Choose an item.	Choose an item.	Choose an item.
Final assessment component (99) Portfolio 2 (Project Outputs, Dissertation and Oral Assessment)	6,7	70		6000	No	Yes	School
24. Is ethical approval for the module required?	No		25. Is ethical approval for an assessment component		Yes		

required?^{xiv}

26. Learning, teaching and assessment strategies:

Project work is designed to train the student in guiding his/her own learning, with the work being carried out by the individual student under the guidance of an individual supervisor. The student is required to meet a variety of deadlines, such as providing an initial project proposal, an interim report, providing an abstract for the external examiner and submitting the final report. The supervisor will assess the student on the basis of the project proposal, interim report, the initiative shown and effort given to the project and the final project report

Research Methods element includes instruction on researching, conducting and reporting on the project. Assessment is done through written assignments (literature review and research proposal), three oral presentations given throughout the year and a poster. The first oral introduces the aims of the project and describes actions in setting up the project and the initial progress made. The second is a mid-year review and the final presentation reports on the progress and findings of the project and gives an analysis of the outcomes of the project.

At the end of the project, the student will be interviewed by an assessment panel that will gauge their knowledge and understanding of the project work undertaken as presented in their dissertation.

Verbal and written feedback is offered by the project supervisor in via the project review reports and associated meetings, submitted at three-week intervals. More detailed feedback is given for the interim progress report, submitted at the end of semester one with an associated interview at the start of semester 2. Feedback is also offered on draft versions of the final report,

Practice presentation sessions are offered as a mechanism for learner and peer-based feedback

In addition, each student meets with the external examiner towards the end of the project, shortly before submission of the final report, to discuss progress made.

27. Syllabus outline:

Students will be given formal tuition in research methods that will prepare them for the initial production of a research proposal, literature review, project planning and report writing etc. The project occupies at least ten hours of each week in both semesters of the final year. It will normally take place in one of the research groups which gives the student the opportunity of working directly in a research environment. However, if the student has a strong preference or a suggestion that is academically sound, alternative arrangements can be made, The choice of project is made towards the end of the third year by discussion with the project co-ordinator and proposed project supervisor to ensure that the proposed topic is mutually satisfactory.

28. Indicative texts and/or other learning materials/resources^{xv}:

After initial approval, up to date reading lists can be accessed at <https://salford.rl.talis.com/index.html>

Note: This replaces the LaSU reading lists from September 2015 onwards.

For Office Use only:

Teaching and Learning
Team Comments:

ⁱ See UoS guidance notes on selecting JACS codes (http://www.planning.salford.ac.uk/jacs_codes/) see HESA JACS Codes webpage <http://www.hesa.ac.uk/index.php/content/view/356/233/>

ⁱⁱ The ECTS value is half of the module credit value

ⁱⁱⁱ Please indicate the month (s) in which delivery of the module will commence.

^{iv} Amendments to the title or credit value constitute a new module.

^v If the delivery month of the module is to be available for different intakes of a programme, please indicate this here. E.g. Module effective from Sept 2014 – to state the module is to be available for Sept 2014 intake & Feb 2014 intake.

^{vi} The module will only be attached to programmes specified in this section. Any approved module can be available as a stand-alone module.

^{vii} These categories are used for the Key Information Set which currently applies only to full time undergraduate students only but please include for all students – for more information including definitions see

http://www.qaa.ac.uk/Publications/InformationAndGuidance/Documents/contact_hours.pdf and

http://www.hesa.ac.uk/component/option.com_studrec/task.show_file/Itemid.233/mnl.13061/href.Calculations_methods.html/#LearningandTeaching

^{viii} The 'other' category should not be used for learning undertaken by full undergraduate students as 'other' is not used in KIS categories

^{ix} The aims should express the purpose of the module.

^x The intended learning outcomes should detail the knowledge, understanding and skills that students will be able to demonstrate on successful completion.

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- xi In some circumstances it may be necessary to have more than 5 intended learning outcomes. You will be asked to provide your rationale for this in discussion at the USP.
- xii For example, if the assessment is an essay and the essay meets ILOs number 1-4 and 6-7, state 1-4,6-7
- xiii If Method B is used for module mark calculation, indicate Yes to specify the assessment component(s) to be passed in order to pass the module
- xiv Please specify component(s) for which ethical approval is required.
- xv The "Indicative texts and/or learning materials/resources" box should include a maximum of five items for new modules. These should be formatted using the University's agreed referencing style for the subject area (usually APA Harvard System 6th). See http://www.salford.ac.uk/library/infolit/tool#referencing_tab for more information. The texts should normally be recent texts (i.e. within the last six years) unless they are a particularly "classic" text. For existing modules, the "Indicative texts and/or learning materials/resources" box should include a link for USP reviewers and readers to the comprehensive reading list at <http://lasu.salford.ac.uk>.