

Date of Revision	28.02.17 SMcC
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Programme Specification 2017-18

A programme specification is required for any programme on which a student may be registered.

All programmes of the University are subject to the University's Quality Assurance and Enhancement processes as set out in the DASA Policies and Procedures Manual.

Programme Title	Medical Science		Final Award (exit route if applicable for Postgraduate Taught Programmes)		BSc Intercalated (Hons)
Programme Code	BMS-MED-IC	UCAS Code	N/A	JACS Code	B100
Criteria for Admissions (Please see General Regulations)		Available only to students who have successfully completed the course of studies for second/third year of Medicine or Dentistry. The consent of the Director of the appropriate Education Centre is required before enrolment.			
Mode of Study (Full-time, Part-time, other)			Full-Time		
Type of Programme	Single Subject	Length of Programme	1 year	Total Credits for Programme	Level 3 120
Awarding Institution/Body					
			Queen's University Belfast		
Teaching Institution					
			Queen's University Belfast		
School/Department					
			Centre for Biomedical Sciences Education		
Framework for Higher Education Qualification Level					
			Level 6		
http://www.qaa.ac.uk/publications/informationandguidance					
QAA Benchmark Group					
			Biosciences (Hons)		
http://www.qaa.ac.uk/assuringstandardsandquality/subject-guidance/pages/subject-benchmark-statements					
Collaborative Organisation and form of Collaboration (if applicable)					
Accreditations (PSRB)			Date of next scheduled accreditation visit		
ATAS Clearance					

External Examiner Name:	External Examiner Institution/Organisation
P Smith G McDowell G Findlater P Spiers A Sloan M Pearce D Wilson	University of Liverpool Manchester Metropolitan University University of Edinburgh Trinity College Dublin Cardiff University Newcastle University Cardiff University
Does the Programme have any approved exemptions from the University General Regulations <i>(Please see General Regulations)</i>	Yes <input type="checkbox"/> <input checked="" type="checkbox"/> No Classification determined on the year of study only.
Programme Specific Regulations	
The following regulations should be read in conjunction with the University's General Regulations.	
<ol style="list-style-type: none"> 1. Students will normally be allowed only 2 attempts at examinations. 2. In the case of incomplete continuous assessments the student's mark will be referred until the compulsory element is satisfactorily completed and in the case of elements which cannot be repeated within the timescale set, such as attendance at lectures or practicals etc, then the Board of Examiners may set an alternative piece of work to be completed by a stated deadline. 3. Students must take the Research Project module (BMS3112) plus any 2 others from those listed in the Programme Requirements. 4. Classification will be based on this one year of study only and will be determined by the weighted average of the modules. The predominance rule will apply. 	
Students with protected characteristics	This programme includes practical and laboratory elements where safety must be the primary consideration. Applications will be considered on an individual basis and in conjunction with Occupational Health and Disability Services.
Are students subject to Fitness to Practise Regulations <i>(Please see General Regulations)</i>	Yes subject to the requirements of the medical/dental programmes.
Length of Programme	1 Year

Educational Aims of Programme On completion of the programme the student will be able to:

- 1) To equip students with the knowledge and skills to undertake research in medical science.
- 2) To provide students with the opportunity to contribute to original research.
- 3) To enable students to read and critically assess current research literature.
- 4) To develop students skills in scientific writing.
- 5) To expand students capacity for self-directed and life-long learning.

Learning Outcomes: Cognitive Skills

	On the completion of this course successful students will be able to:	Teaching/Learning Methods and Strategies	Methods of Assessment
	Generate hypotheses and deduce outcomes of such hypotheses that may be investigated by experiment.	Seminars, tutorial-based discussion, directed and self-directed study, problem based assignments and experiential learning; Lab-based classes; Research Project	Research Project dissertation
	Prioritise the different elements in a complex system.	Seminars, tutorial-based discussion, directed and self-directed study, problem based assignments and experiential learning; Lab-based classes; Research Project	Lab reports; written coursework; project dissertation
	Efficiently summarise large quantities of information and synthesise core concepts from diverse sources.	Seminars, tutorial-based discussion, directed and self-directed study, problem based assignments and experiential learning; Lab-based classes; Research Project	Lab reports; written coursework; oral presentations; project dissertation
	Creatively apply scientific principles to new problems and in new situations.	Seminars, tutorial-based discussion, directed and self-directed study, problem based assignments and experiential learning; Lab-based classes; Research Project	Lab reports; written coursework; oral presentations; project dissertation

Learning Outcomes: Transferable Skills

	On the completion of this course successful students will be able to:	Teaching/Learning Methods and Strategies	Methods of Assessment
	Independent study skills	This is promoted through a range of coursework across all stages of the programme.	Completion of coursework within agreed deadlines; successful completion of study schedules in time for summative assessments
	Written and oral communication	Completion of written reports, essays, dissertations; oral presentations; Essay writing and peer teaching represent significant components of modules at Level 2 and 3 of the	Formal oral, poster and written presentations

		programme and provide excellent opportunity for the development of written and oral communication.	
	IT skills	Computer skills are developed consistently throughout all stages of study from the initial orientation to the final year project report and presentation.	Lab reports; essays; oral and poster presentations; project dissertation.
	Numerical and data handling skills	Laboratory practical classes and project work; formal lectures and practical classes in statistics and interpretation (statistics completed previously in medicine/dentistry)	Project dissertation, lab reports; lab/log book assessment; oral/poster presentations;
	Time management	Schedule the undertaking and completion of a range of coursework and study opportunities within a time-limited framework	Completion of coursework within agreed deadlines; successful completion of study schedules in time for summative assessments
	Team working	Teaching through group projects and other learning strategies	The utilisation of both peer and staff assessment of group product quality and individual contribution
Learning Outcomes: Knowledge and Understanding			
	On the completion of this course successful students will be able to:	Teaching/Learning Methods and Strategies	Methods of Assessment
	Discuss several specific areas of current research within medical/biomedical science.	Didactic teaching and guided discovery methods with an emphasis on small group discussions, student/staff led seminars, oral and written presentations of literature reviews; discussions with project supervisor	Written exams; research project dissertation
	Undertake basic and clinical research under appropriate supervision.	Research project	Project dissertation and Oral Presentation
	Critically evaluate current scientific literature in the field of medical/biomedical science.	Undertaking Research Project; analysis and discussion of data through the use of examples within class or through the research project; formative assessment with class discussion and presentation of journal papers, posters or students talks; one to one discussions with tutor and/or project supervisor	Project dissertation, lab reports; lab/log book assessment; oral/poster presentations; written assignments on interpretation and analysis of scientific papers
	Apply the scientific method and statistical principles in the design of studies and experiments.	Undertaking Research Project; analysis and discussion of data through the use of examples within class or through the research project; formative assessment with class discussion and presentation of journal papers, posters or students talks; one to one discussions with tutor and/or project supervisor	Project dissertation, lab reports; lab/log book assessment; oral/poster presentations; written assignments on interpretation and analysis of scientific papers
	Write a summary and critique of the published literature in their chosen area of research and submit the findings of their own research in an appropriately structured and referenced fashion in the form of a thesis.	Undertaking Research Project; analysis and discussion of data through the use of examples within class or through the research project; formative assessment with class discussion and presentation of journal papers, posters or students talks; one to one discussions with tutor and/or project supervisor	Project dissertation, lab reports; lab/log book assessment; oral/poster presentations; written assignments on interpretation and analysis of scientific papers
Learning Outcomes: Subject Specific Skills			
	On the completion of this course successful students will be able to	Teaching/Learning Methods and Strategies	Methods of Assessment

	Design and plan experiments and experimental schedules in clinical and biomedical science that satisfy recognised standards of safety and accountability.	Research Project; Instruction in safety procedures including relevant paperwork, such as COSHH and ethical approval forms for project reports	Project Dissertation and supervisor's report
	Evaluate experimental data using appropriate analytical and statistical methods.	Laboratory practical classes and project work; formal lectures and practical classes in statistics and interpretation	Project dissertation, lab reports; lab/log book assessment; oral/poster presentations; written exams and assignments in statistical practice
	Employ bibliographic software in the completion of essays and dissertations.	Formal didactic teaching and practice in the use of bibliographic software	Coursework such as essays; research project dissertation
	Work safely in biomedical research laboratories (where appropriate)	Instruction in safety procedures including relevant paperwork, such as COSHH and ethical approval forms for project reports	Project Dissertation and supervisor's report
	Demonstrate competence in the use of general laboratory equipment (where appropriate).	Module practical classes; undertaking of Level 3 Research Projects;	Practical lab reports; formal assessed demonstrations of use of lab equipment
	Demonstrate competence in the use of an appropriate range of specialised laboratory equipment.	Level 3 Research Project	Project Dissertation; Project Supervisor Reports

Programme Requirements

Module Title	Module Code	Level/ stage	Credits	Availability		Duration	Pre-requisite			Assessment	
				S1	S2			Core	Option	Coursework %	Examination %
Students must take the Research Project module and any 2 others. Choices may be restricted because of timetabling constraints.											
Research Project	BMS3112	3	40	✓	✓	24 weeks		✓		100	0
Advanced Neurosciences	BMS3102	3	40	✓	✓	24 weeks			✓	50	50
Sports & Exercise Physiology	BMS3103	3	40	✓	✓	24 weeks			✓	65	35
Embryology & Developmental Biology	BMS3105	3	40	✓	✓	24 weeks			✓	50	50
Principles of Pharmacology and Therapeutics	BMS3106	3	40	✓	✓	24 weeks			✓	50	50
Cardiovascular Pathobiology and Treatment	BMS3107	3	40	✓	✓	24 weeks			✓	50	50

Approved by Director of Education:



Print Name: ...Dr S J McCullough Signature: ...

Date: 28/2/2017