

Atlantic Technological University
Sligo College
PROGRAMME VALIDATION PANEL REPORT FORM

Date of Evaluation	17 th June 2022
Programmes Title(s)	Bachelor of Science (Honours) in Clinical Measurement Physiology Higher Certificate in Science in Healthcare Science (Physiology) – Exit Award
Award Title(s):	Bachelor of Science (Honours) in Clinical Measurement Physiology Higher Certificate in Science in Healthcare Science (Physiology)
Programme Code(s)	SG_SCLIN_H08 To be determined
NFQ Level	Level 08 Level 06
ECTS credits	240 120

Evaluation Panel Member:

Name & title	Job title & place of work	Role on panel
Prof James Houghton Professor	School of Natural Sciences, NUI Galway	Chairperson
Dr Ann Coughlan	HSCP Practice Placement Lead	Industry Panel member
Ms Sharon Donohue	Senior Cardiac Physiologist, Cardiac Department, St Vincent's University Hospital	Industry Panel member
Dr Cathal Breen	Senior Lecturer of Physiology, School of Medicine, Ulster University	Industry Panel member
Dr Aodhmar Cadogan	Assistant Registrar, ATU - Sligo	Secretary to the Panel
Gemma Lyons	QA Compliance, ATU-Sligo	Secretary to the Panel

Declaration Regarding Any Conflicts of Interest: The members of the Panel signed a form confirming that they did not have any conflict of interest.

Meeting groups

Institute Management

Dr Jerry Bird, Head of the Faculty of Science, Dr Thomas Smyth Head of Department of Human and Nutritional Science.

Programme development team. Dr Karen Coughlan, Mr Paul Nolan, Ms Tanya Byrne

Persons met by validation panel

Name & title	Role in Institute	Rationale for presence at validation.
Dr Karen Coughlan	Lecturer	Programme Development Team
Mr Paul Nolan	Lecturer	Programme Development Team
Prof Neville McClenaghan	Head of Department	Head of Department of Life Science
Ms Tanya Byrne	President IICMS Former and Current Lecturer	Programme Development Team

Note: In the context of this report, a condition indicates an action or amendment which in the view of the validation panel must be undertaken prior to the commencement of the new (or revised) programme. Conditions are mandatory for Approval of the Programme(s). A recommendation indicates an action or amendment which in the view of the panel should be given serious consideration by the programme development team for implementation.

Validation criteria	Sufficient evidence / Insufficient evidence
<p>Rationale for the programme</p> <ul style="list-style-type: none"> • Philosophy underpinning the programme e.g. market for programme in the region and its relevance to the region • Graduate profile and employment opportunities for graduates • Rationale for the programme e.g. School's/Institute's strengths/opportunities • Programme Aims and Objectives • Expected intellectual development and Programme learning outcomes • Related existing programmes. 	<p>Sufficient evidence provided</p> <p>Programme team in explained the programme has been in development for several years, there is both a natural progression into clinical physiology from the exercise physiology programmes and the geographical needs for professionals in this area. It is one of the professions on the national skills shortage list.</p>
<p>Programme structure</p> <ul style="list-style-type: none"> • Delivery type (semesterised or stage-based) • Proposed mode of delivery (i.e. in-class, on-line, blended, full time and/or part time) • Planned intake numbers (over the full duration of the programme) • Role of placement 	<p>Sufficient evidence provided</p> <p>Between the undergraduate and the postgraduate programme recently validated, there is a plan to have 32 students in total. Discussion with the various providers have taken place and the team is confident that placements will be found.</p> <p>Practice tutor education is being considered and how this could be incentivised for the placement professionals.</p>
<p>Resources (over the full duration of the programme)</p> <ul style="list-style-type: none"> • Facilities and human and material resources available to mount the programme • Clarification of any staffing requirements • Location of the delivery • Specific s requirements: lecture rooms, laboratories, library, Information technology and other student supports • Confirmation regarding any new facilities and staffing requirements • Special requirements (e.g. remote access for distance learners) 	<p>Sufficient evidence provided</p> <p>The timing of choice major / minor disciplines and the examination schedule discussed.</p>
<p>Access, Transfer and Progression Criteria</p> <ul style="list-style-type: none"> • Student admission requirements 	<p>Sufficient evidence provided</p>

<ul style="list-style-type: none"> • Progression criteria from one stage to the next and to higher levels on the NFQ • Non-standard entry (e.g. mature candidates and candidates with experiential learning) • Transfer policy into the programme and onto other programmes 	
<p>Curriculum</p> <ul style="list-style-type: none"> • A matrix exhibiting the academic pathway and the relationship between modules • The consistency between the programme content, teaching methods and the programme learning outcomes • Balance between the depth and breadth of the programme • Rigour of the academic standard in the final stage of the programme • Student workload • Practice: the role and management of placement or work-based projects. 	<p>Sufficient evidence provided</p> <p>There was a discussion regarding the placement and Research. The emphasis will be on the subject matter and to put research in the context of practical case studies and focussed literature reviews. Rationale for the pharmacology module discussed Approach of a block of accumulated hours rather than fixed number of weeks was supported. While the Medical Pharmacology module (5 ECTS) in semester 4 is a lesser element of Clinical Physiology it is nonetheless important; therefore, it would be advised to make a strong emphasis on this topic during the teaching to ensure the student comes away with a good knowledge of Medical Pharmacology.</p>
<p>Assessment</p> <ul style="list-style-type: none"> • The appropriateness of the modes of assessment to be used • The balance between the marks awarded for different assessment modes (e.g. continuous assessment, projects, reports, sit-down examination) • Confirmation that all of the programme learning outcomes are appropriately and adequately assessed within the set of module assessments. 	<p>Sufficient evidence provided</p> <p>Weighting of Final Exam and CA discussed</p>
<p>Staffing</p> <ul style="list-style-type: none"> • Quality and specialities of staff available to support the programme • Technical and administrative support • Staff development • Industrial/commercial profile of staff 	<p>Sufficient evidence provided.</p>

<ul style="list-style-type: none"> • Research and publications 	
<p>Programme Administration and Quality Assurance</p> <ul style="list-style-type: none"> • Procedure for managing programme • Student support student counselling and tutorial arrangements • Aspects of programme which highlight and foster study skills, independent learning and the inculcation of individual responsibility in students • EU and international aspects if appropriate • Feedback mechanisms e.g. use of surveys, focus groups and follow-up actions. 	Sufficient evidence provided.
<p>Commendation:</p>	
<p>The panel commended the teams on the following:</p> <ol style="list-style-type: none"> 1. The standard of the submission document, it is incredibly thorough and detailed. 2. The development of the programme which they considered to be of high quality and thoroughly needed. 3. The engagement with the IICMS from the start, which was the correct route to go down for the development and the commitment to progressing the profession. 4. The focus on facilities that are being put in place and the bespoke space for a clinical measurement physiology laboratory. 5. The Professional development practice modules are very welcomed and makes the course a much more rounded experience for the graduate when they enter the healthcare system. 6. Commend the staff for taking on board the feedback from the development of the linked MSc and that the course handbook can be transferred between the two programmes. 7. The employment of subject expertise as lecturers is highly commended. 	
<p>Condition:</p> <p>No Conditions.</p>	
<p>Recommendation:</p>	
<ol style="list-style-type: none"> 1. As no documentation was provided for the Higher Certificate in Science in Healthcare Science (Physiology) – Exit Award, the aims, objectives and the programme learning outcomes will need to be provided to the Registrar prior validation or offering of this Exit award. 2. The programme team are asked to provide a copy of the draft placement handbook to the panel, along with the practice educator ATU course outline, ensure the DOPS (Direct Observation of Procedural Skills) and end of placement assessment forms are part of this package. 	

3. The panel recommend including the projection of student numbers for 2023-2024 CAO intake into the Bachelor of Science (Honours) in Clinical Measurement Physiology in the submission.

Overall decision of the panel

The panel agreed to recommend to the Academic council the approval of the following programme:

Bachelor of Science (Honours) in Clinical Measurement Physiology

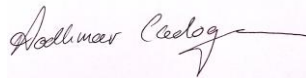
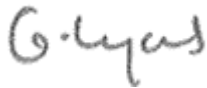
The Exit award is not validated at this time but may be validated once recommendation 1 and the required QA processes above are complete.

Chairperson: Prof James Houghton



Date __04 July 2022__

Secretary: Ms Gemma Lyons / Aodhmar Cadogan



Date: __4/7/2022__ / __4/7/2022__

Programme Schedule (include table from AMM)

SG_SCLIN_H08

Module Code	Module Title	Stage	Semester	M/E	FT Hours	Credits	FO %	CA %	PF %	EXA M %	PROJ %	PRAC %
PSYG06008	Introduction to Clinical Measurement Physiology	Stage 1	Semester 1	Mandatory	3	5	0	50	0	50	0	0
BIOL06018	Human Biology	Stage 1	Semester 1	Mandatory	7	5	0	65	0	35	0	0
MATH06071	Mathematics for Science 1	Stage 1	Semester 1	Mandatory	4	5	0	65	0	35	0	0
PHYS06007	PHYSICS 1	Stage 1	Semester 1	Mandatory	5.5	5	0	65	0	35	0	0
CHEM06044	CHEMISTRY 1	Stage 1	Semester 1	Mandatory	5.5	5	0	65	0	35	0	0
COMP06170	Information Technology 1	Stage 1	Semester 1	Mandatory	2	5	0	90	0	0	0	10
PSYG06014	Introduction to Professional Practice	Stage 1	Semester 2	Mandatory	2.5	5	0	100	0	0	0	0
PSYG06004	Human Anatomy & Physiology I	Stage 1	Semester 2	Mandatory	5.5	5	0	65	0	35	0	0
PSYG06010	Clinical Measurement Techniques 1	Stage 1	Semester 2	Mandatory	4.5	5	0	50	0	50	0	0
MATH06070	Mathematics for Science 2	Stage 1	Semester 2	Mandatory	3	5	0	30	0	70	0	0
PHYS06008	PHYSICS 2	Stage 1	Semester 2	Mandatory	5.5	5	0	65	0	35	0	0
CHEM06035	CHEMISTRY 2	Stage 1	Semester 2	Mandatory	5.5	5	0	65	0	35	0	0
PSYG06011	Clinical Measurement Techniques 2	Stage 2	Semester 3	Mandatory	4.5	5	0	50	0	50	0	0
PSYG06012	Instrumentation and Imaging 1	Stage 2	Semester 3	Mandatory	4.5	5	0	50	0	50	0	0
BIOC06009	HEALTH BIOCHEMISTRY 1	Stage 2	Semester 3	Mandatory	4	5	0	65	0	35	0	0
HLTH06059	BIOLOGY OF DISEASE	Stage 2	Semester 3	Mandatory	3	5	0	50	0	50	0	0
PSYG06009	Clinical Measurement Techniques 3	Stage 2	Semester 4	Mandatory	4.5	5	0	30	0	50	0	20
PSYG06013	Instrumentation and Imaging 2	Stage 2	Semester 4	Mandatory	4.5	5	0	50	0	50	0	0
PSYG06015	Clinical Measurement Physiology and Pathology	Stage 2	Semester 4	Mandatory	3	5	0	50	0	50	0	0
PHAR06002	MEDICAL PHARMACOLOGY	Stage 2	Semester 4	Mandatory	4	5	0	40	0	60	0	0

BIOC06010	HEALTH BIOCHEMISTRY 2	Stage 2	Semester 4	Mandatory	3	5	0	10	0	0	0	0
RSCH06004	RESEARCH METHODS 1	Stage 2	Semester 4	Mandatory	3	5	0	40	0	60	0	0
PSYG06002	HUMAN ANATOMY AND PHYSIOLOGY 2	Stage 2	Semester 3	Mandatory	4.5	5	0	10	0	0	0	0
MATH06106	APPLIED HEALTH STATISTICS	Stage 2	Semester 3	Mandatory	3	5	0	60	0	0	40	0
PSYG07003	Physiological Systems	Stage 3	Semester 5	Mandatory	5.5	10	0	10	0	50	0	40
PSYG07004	Professional Practice I	Stage 3	Semester 5	Mandatory	2	5	0	10	0	0	0	0
PSYG07005	Core Placement Skills	Stage 3	Semester 5	Mandatory	3	5	0	10	90	0	0	0
PSYG07006	Clinical Measurement Instrumentation	Stage 3	Semester 5	Mandatory	6.5	10	0	15	0	50	0	35
PSYG07007	Advanced Clinical Measurement Applications	Stage 3	Semester 6	Mandatory	3	10	0	50	0	50	0	0
PSYG08013	Cardiac Physiology I	Stage 3	Semester 6	Elective	2	10	0	50	0	50	0	0
PSYG08017	Respiratory Physiology I	Stage 3	Semester 6	Elective	2	10	0	50	0	50	0	0
PSYG08018	Vascular Physiology I	Stage 3	Semester 6	Elective	2	10	0	50	0	50	0	0
PSYG08016	Neurophysiology I	Stage 3	Semester 6	Elective	2	10	0	50	0	50	0	0
PSYG08015	Gastrointestinal Physiology I	Stage 3	Semester 6	Elective	2	10	0	50	0	50	0	0
PHAR08003	Advanced Medical Pharmacology	Stage 4	Semester 7	Mandatory	2	5	0	10	0	0	0	0
PSYG08010	Medical Imaging	Stage 4	Semester 7	Mandatory	3.25	5	0	15	0	50	0	35
PSYG08019	Professional Practice II	Stage 4	Semester 7	Mandatory	2	5	0	10	0	0	0	0
PSYG08013	Cardiac Physiology I	Stage 4	Semester 7	Group Elective	2	10	0	50	0	50	0	0
PSYG08018	Vascular Physiology I	Stage 4	Semester 7	Group Elective	2	10	0	50	0	50	0	0
PSYG08017	Respiratory Physiology I	Stage 4	Semester 7	Group Elective	2	10	0	50	0	50	0	0
PSYG08016	Neurophysiology I	Stage 4	Semester 7	Group Elective	2	10	0	50	0	50	0	0
PSYG08015	Gastrointestinal Physiology I	Stage 4	Semester 7	Group Elective	2	10	0	50	0	50	0	0
BIOC08009	Advanced Clinical Biochemistry	Stage 4	Semester 7	Mandatory	3	5	0	50	0	50	0	0

PSYG08004	Gastrointestinal Physiology II	Stage 4	Semester 8	Group Elective	3	20	0	50	0	50	0	0
PSYG08005	Neurophysiology II	Stage 4	Semester 8	Group Elective	3	20	0	50	0	50	0	0
PSYG08006	Respiratory Physiology II	Stage 4	Semester 8	Group Elective	3	20	0	50	0	50	0	0
PSYG08007	Vascular Physiology II	Stage 4	Semester 8	Group Elective	3	20	0	50	0	50	0	0
PSYG08014	Cardiac Physiology II	Stage 4	Semester 8	Group Elective	3	20	0	50	0	50	0	0
PROJ08041	Project	Stage 4	Semester 8	Mandatory	0.5	10	0	30	0	0	70	0