

Overview

Programme Code	32790
Programme Title	Clinical Exercise Physiology
Awarding Institution	Liverpool John Moores University
Programme Type	Masters
Language of Programme	All LJMU programmes are delivered and assessed in English
Programme Leader	Ellen Dawson
Link Tutor(s)	

Awards

Award Type	Award Description	Award Learning Outcomes
Target Award	Master of Science - MS	See Learning Outcomes Below
Alternative Exit	Postgraduate Diploma - PD	Engage with advanced levels of theories and practice in relation to the field of Clinical Exercise Physiology Identify and apply appropriate research methodologies Take an informed position in subjects related to the field of Clinical Exercise Physiology Demonstrate personal skills in critical analysis, reflection and contextual awareness in a wide range of modules associated with the field of study.
Alternative Exit	Postgraduate Certificate - PC	Engage with advanced levels of theories and practice in relation to the field of sport and exercise physiology. Explore and test appropriate research methodologies. Demonstrate appropriate levels of critical analysis, reflection and contextual awareness in focussed areas of studies.

Alternate Award Names	Clinical Exercise Science
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External Benchmarks

Subject Benchmark Statement	UG-Health Studies (2019)
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Programme Offering(s)

Mode of Study, Mode of Delivery	Intake Month	Teaching Institution	Programme Length
Full-Time, Face to Face	September	LJMU Taught	1 Years

Aims and Outcomes

Educational Aims of the Programme

This programme aims to deliver contemporary training for careers in clinical exercise physiology. Our philosophy is that completion of the MSc should be a tangible stepping stone bridging the gap between an undergraduate foundation in sports science or health related subject and employment in principal onward careers in clinical exercise physiology and clinical physiology. The content of this course aims to develop knowledge and understanding and practical skills across a broad range of clinical exercise physiology applications. Above all, it aims to engender a strong proactive approach to postgraduate learning and offers an opportunity for students to read widely, take advantage of the world-class facilities and expertise available and invest heavily in self-learning to develop their career. In addition to the academic content of the course, the programme aims to develop graduates that are able to deal with complex issues both systematically and creatively, make sound judgments in the absence of incomplete data, and communicate clearly peers and patients. Moreover, the course has been designed to develop qualities and transferable skills necessary for employment in roles requiring initiative and personal responsibility, decision-making in complex and unpredictable situations, and independent learning-ability required for continuing professional development.

An alternative exit-award will be Clinical Exercise Science if the credit bearing modules are passed, but the non-credit bearing module (7175SPOSCI) which is aligned with RCCP accreditation is failed (is not passed).

Learning Outcomes

Code	Description
PLO1	Critically evaluate a number of research paradigms
PLO2	Critically evaluate the appropriateness of research design and data analysis procedures.
PLO3	Synthesise the evidence underling the development of non-communicable diseases.
PLO4	Analyse the evidence for exercise in primary and secondary prevention of non-communicable diseases.
PLO5	Critically evaluate the impact of acute and chronic exercise upon physiological systems.
PLO6	Analyse the influence of developing technologies on the understanding of non-communicable diseases.

Code	Description
PLO7	Give a comprehensive overview of several techniques available to assess various pathophysiological states.
PLO8	Evaluate evidence underlying adherence to exercise and promotion of physical activity for health with relation to behaviour change theory.
PLO9	Understand and apply current protocols and guidelines for clinical exercise physiology in the workplace.

Programme Structure

Programme Structure Description

The programme is balanced across 3 semesters, with 60 credits in each semesters. PgCert is issued for any 60 credits and PgDip for any 120 credits. Inclusion of a non-credit bearing module to be assessed by the end of Trimester 3.

Alternative exit-award will be Clinical Exercise Science if the credit bearing modules are passed, but the non-credit bearing module (7175SPOSCI) is failed (is not passed).

Programme Structure - 180 credit points	
Level 7 - 180 credit points	
Level 7 Core - 180 credit points	CORE
[MODULE] 7101SPOSCI Technical Training for Exercise Physiology Approved 2022.01 - 40 credit points	
[MODULE] 7170SPOSCI Advanced Exercise Physiology Approved 2022.01 - 20 credit points	
[MODULE] 7171SPOSCI Pathophysiology Approved 2022.02 - 20 credit points	
[MODULE] 7172SPOSCI Motivation, Adherence and Behaviour Change Approved 2022.01 - 20 credit points	
[MODULE] 7173SPOSCI Clinical Placement Approved 2022.02 - 60 credit points	
[MODULE] 7174SPOSCI Exercise Programming Approved 2022.01 - 20 credit points	
[MODULE] 7175SPOSCI Clinical Assessment of Competencies Approved 2022.01 - No credit points	

Module specifications may be accessed at <https://proformas.ljmu.ac.uk/Default.aspx>

Approved variance from Academic Framework Regulations

Variance

The Chair of the Education Committee has approved a variance to the Academic Framework (January 2019) to allow the inclusion of a 40 credit module (7101SPOSCI Technical Training) in the programme.

Teaching, Learning and Assessment

Lectures, seminars, laboratory practicals, problem based learning, tutorial support and clinical placement, Essay, laboratory reports, exams.

Opportunities for work related learning

140 hour clinical placement based in hospital clinical exercise physiology department or related department in an NHS or private healthcare offered in Semester 2 or 3.

Entry Requirements

Type	Description
Other international requirements	Overseas students whose first language is not English will require an IELTS score of 6.5 or above.
Alternative qualifications considered	Normally, a minimum of an upper second class BSc (Hons) degree in a sport or relevant discipline that has a substantial physiology component at Level 6.
	DBS and Occupational Health as part of Fitness to Practice

Extra Entry Requirements