

Summary Information

Module Code	6104SPS
Formal Module Title	Cardiovascular Physiology
Owning School	Sport and Exercise Sciences
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 6
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Sport and Exercise Sciences

Learning Methods

Learning Method Type	Hours
Lecture	24
Practical	7
Workshop	8

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-CTY	CTY	September	12 Weeks

Aims and Outcomes

Aims	This module aims to develop a critical understanding of cardiovascular measurement techniques and exercise based tests, and their application in the diagnosis and management of cardiovascular disease. The module explores the use of exercise as a preventive or treatment strategy for cardiovascular conditions, and examines current inequalities in the diagnosis and treatment of cardiovascular disease. .
------	---

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Critically evaluate the diagnostic and prognostic ability of various cardiovascular and exercise physiology assessment tools employed in clinical or research practice
MLO2	2	Analyse and interpret results from cardiovascular and clinical exercise assessments.
MLO3	3	Critically evaluate the pathophysiology of cardiovascular conditions, their impact on exercise response and how exercise can be used to treat conditions.

Module Content

Outline Syllabus	Cardiac Function and Structure: Cardiac electrophysiology and measurement using ECG; Athletic heart or pathological heart Assessment of Cardiovascular Function: Assessment of cardiac structure and function; Assessment of vascular structure and function; Assessment of cutaneous vasculature Cardiovascular Disease: Risk stratification; Cardiovascular disease pathophysiology and exercise; Inequalities in cardiovascular disease Individual-level influences on physical activity and sedentary behaviour Prevalence, patterns and trends in physical activity and sedentary behaviour
Module Overview	
Additional Information	BUES mapped.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Centralised Exam	Exam	50	2	MLO1, MLO2
Report	Report	50	0	MLO1, MLO2, MLO3

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings