

## Liverpool John Moores University

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Title: CLINICAL PLACEMENT AND THESIS  
Status: Definitive  
Code: **7004SPOSCI** (114300)  
Version Start Date: 01-08-2014

Owning School/Faculty: Sports Sciences  
Teaching School/Faculty: Sports Sciences

Team	Leader
Greg Whyte	Y

**Academic Level:** FHEQ7  
**Credit Value:** 60.00  
**Total Delivered Hours:** 26.00  
**Total Learning Hours:** 600  
**Private Study:** 574

### Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Seminar	6.000
Tutorial	20.000

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	Case Study and viva voce	50.0	
Essay	AS2	Self Selected Review of Literature	50.0	

### Aims

*The aim of this module is to provide the student with the knowledge and technical skills required to work as an effective clinical physiologist with a cardiology specialty. The module will focus on the practical skills required for the assessment of special populations including the cardiology patient at rest and during exercise and the effective prescription and monitoring of exercise. This module is underpinned by*

*research led practice. Accordingly, research methods is an integral part of this module.*

## **Learning Outcomes**

After completing the module the student should be able to:

- 1 Explain the protocols and guidelines which inform clinical exercise physiology practice in the UK.
- 2 Apply protocol, guidelines and supervision processes within clinical exercise physiology practice.
- 3 Critically appreciate the role and practice of the clinical exercise physiologist.
- 4 Apply advanced research methods in a clinical setting in the development of research led practice.
- 5 Develop a case study approach to patients using research knowledge and understanding.

## **Learning Outcomes of Assessments**

The assessment item list is assessed via the learning outcomes listed:

case study and viva voce	1	2	3	4	5
review of literature	1	3	5		

## **Outline Syllabus**

*Independent study in a clinical area as outlined through the learning agreement.*

## **Learning Activities**

A clinical placement is completed. This is supplemented by a programme of group and individual supervisory tutorials to reflect on professional practice issues generated by the placement activity. This is assessed at the end of the module via a post placement written journal of the placement, self selected topic review of literature, case study and viva voce.

## **References**

<b>Course Material</b>	Book
<b>Author</b>	American College of Sports Medicine
<b>Publishing Year</b>	2009
<b>Title</b>	Guidelines for Exercise Testing and Prescription
<b>Subtitle</b>	
<b>Edition</b>	8th
<b>Publisher</b>	Lea & Febeger, Philadelphia
<b>ISBN</b>	

<b>Course Material</b>	Book
<b>Author</b>	Wasserman, K. et al.
<b>Publishing Year</b>	2011
<b>Title</b>	Principles of Exercise Testing and Interpretation
<b>Subtitle</b>	
<b>Edition</b>	5th
<b>Publisher</b>	Williams & Wilkins
<b>ISBN</b>	

<b>Course Material</b>	Book
<b>Author</b>	Hampton, J.R.
<b>Publishing Year</b>	2008
<b>Title</b>	The ECG Made Easy
<b>Subtitle</b>	
<b>Edition</b>	7th
<b>Publisher</b>	Churchill-Livingstone, Edinburgh
<b>ISBN</b>	

<b>Course Material</b>	Book
<b>Author</b>	M.L.Pollock and D.H.Schmidt, Eds.
<b>Publishing Year</b>	1995
<b>Title</b>	Heart Disease and Rehabilitation
<b>Subtitle</b>	
<b>Edition</b>	
<b>Publisher</b>	Human Kinetics, Champaign, Illinois
<b>ISBN</b>	

<b>Course Material</b>	Book
<b>Author</b>	American Association of Cardiovascular and Pulmonary Rehabilitation.
<b>Publishing Year</b>	2013
<b>Title</b>	Guidelines for Cardiac Rehabilitation and Secondary Prevention Programs
<b>Subtitle</b>	
<b>Edition</b>	
<b>Publisher</b>	Human Kinetics, Champaign, Illinois
<b>ISBN</b>	

<b>Course Material</b>	Book
<b>Author</b>	Williams, M.A.
<b>Publishing Year</b>	1994
<b>Title</b>	Exercise Testing and Training in the Elderly Cardiac Patient
<b>Subtitle</b>	
<b>Edition</b>	
<b>Publisher</b>	Human Kinetics, Champaign, Illinois,

<b>ISBN</b>	
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<b>Course Material</b>	Book
<b>Author</b>	Fardy, P.S. et al.
<b>Publishing Year</b>	1999
<b>Title</b>	Training Techniques in Cardiac Rehabilitation.
<b>Subtitle</b>	
<b>Edition</b>	
<b>Publisher</b>	Human Kinetics, Champaign , Illinois,
<b>ISBN</b>	

<b>Course Material</b>	Book
<b>Author</b>	Whyte, G
<b>Publishing Year</b>	2006
<b>Title</b>	The Physiology of Training
<b>Subtitle</b>	
<b>Edition</b>	
<b>Publisher</b>	Elsevier
<b>ISBN</b>	0 443 10117 5

<b>Course Material</b>	Book
<b>Author</b>	Buckley, J
<b>Publishing Year</b>	2008
<b>Title</b>	Exercise Physiology in Special Populations
<b>Subtitle</b>	
<b>Edition</b>	
<b>Publisher</b>	Elsevier
<b>ISBN</b>	0 443 10343 8

<b>Course Material</b>	Book
<b>Author</b>	Whyte, G & Sharma, S
<b>Publishing Year</b>	2010
<b>Title</b>	Practical ECG for Exercise Science and Sports Medicine
<b>Subtitle</b>	
<b>Edition</b>	
<b>Publisher</b>	Human Kinetics, Champaign, Illinois
<b>ISBN</b>	

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## Notes

This module enables the student to apply their theoretical knowledge and practical skills in an applied clinical setting. The student will gain experience of working in a clinical environment and will be given the opportunity to further develop their theoretical, research, practical and communication skills.