Liverpool John Moores University

Title:	HUMAN ANATOMY AND KINANTHROPOMETRY
Status:	Definitive
Code:	**4004SPOSCI** (114184)
Version Start Date:	01-08-2011
Owning School/Faculty:	Sports Sciences
Teaching School/Faculty:	Sports Sciences

Team	Leader
Dominic Doran	Y

Academic Level:	FHEQ4	**Credit Value:**	12.00	**Total Delivered Hours:**	36.00
Total Learning Hours:	120	**Private Study:**	84		

Delivery Options
Course typically offered: Semester 1

Component	Contact Hours
Lecture	22.000
Practical	2.000
Tutorial	10.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS1	exam	100.0	2.00

Aims

The module aims to provide students with an introduction to and understanding of the structure and function of the musculo-skeletal and general physiological systems. The concept of bone growth and development and basic kinanthropometric techniques that facilitate exploration of the role of body shape and size in sports performance, ergonomics and health is also explored.

Learning Outcomes

After completing the module the student should be able to:

1 Outline and describe the general anatomical structure of the musclo-skeletal and general physiological systems.
2 Describe and evaluate the relationship between anatomical structure and function.
3 Describe and comment on the theoretical and practical basis of kinanthropometric measurement.
4 Analyse how growth and development alters anatomical structure and function.

Learning Outcomes of Assessments

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

EXAM	1	2	3	4

Outline Syllabus

Anatomy of skeletal, muscular and cardio-respiratory systems.
Anatomical and orientational nomenclature.
Joints Systems:- Classification terminology, structure and movements.
Principles and techniques of Kinanthropometry.
Bone growth and development.

Learning Activities

Lectures are supported by tutorial and practical work to develop the students undertsnding of fundamental anatomical concepts. Supplementary workbooks / worksheets are utilsed to help students engage in tasks that develop their own learning.

References

Course Material	Book
Author	Field, D
Publishing Year	1994
Title	Anatomy, Palpation and Surface Markings
Subtitle	
Edition	
Publisher	Butterworth Heinemann
ISBN	ISBN-0750600624

Course Material	Book
Author	Palastanga, N., Field, D and Soames, R
Publishing Year	1995

Title	Anatomy and Human Movement
Subtitle	Structure and Function
Edition	2nd edition.
Publisher	Butterworth
ISBN	ISBN - 0750600624

Course Material	Book
Author	Tortora, G.J. and Grabowski, S.R.
Publishing Year	2000
Title	Principles of Anatomy and Physiology
Subtitle	
Edition	9th edition.
Publisher	John Wiley and Sons inc. Chichester.
ISBN	ISBN-0471366927

Course Material	Book
Author	Eston, R and Reilly, T.
Publishing Year	2001
Title	Kinantrhopometry and Exercise Physiology Laboratory Manual: Tests, procedures and Date.
Subtitle	
Edition	2nd Edition.
Publisher	Taylor and Francis.
ISBN	ISBN 0415251869

Notes

This module provides the foundational anatomical and kinanthropometric knowledge that is developed further at levels 2 and 3. By empowering students to acquire and apply basic anatomical, and kinanthropometric techniques through a variety of learning strategies, this module represents a core unit of study for all discipline and thematic strands.