

Liverpool John Moores University

Title: HUMAN MOVEMENT
Status: Definitive
Code: **4013FDASPP** (106832)
Version Start Date: 01-08-2014

Owning School/Faculty: Nursing and Allied Health
Teaching School/Faculty: Nursing and Allied Health

Team	Leader
Catherine Taylor	Y

Academic Level: FHEQ4
Credit Value: 20.00
Total Delivered Hours: 50.00
Total Learning Hours: 200
Private Study: 150

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	28.000
Online	14.000
Seminar	6.000
Tutorial	2.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Presentation	AS1	A short presentation of a pre-set human movement (15 minutes)	50.0	
Exam	AS2	An oral examination - Questioning that explores the students knowledge generated through preparing and delivering the movement analysis presentation (30 minutes).	50.0	

Aims

To provide an appreciation of the normal and abnormal stages and ranges of human physical development of movement and function.
To provide a foundation of human anatomy and physiology knowledge, which will underpin further learning.

Learning Outcomes

After completing the module the student should be able to:

- 1 Describe the structure and function of the human musculo-skeletal and nervous systems.
- 2 Appreciate the interaction and integration of the musculo-skeletal and nervous systems to facilitate normal movement and function.
- 3 Demonstrate a basic appreciation of the individual nature of human movement and function.
- 4 Identify environmental, including ergonomics and individual factors which influence the development of human movement
- 5 Identify the potential causes of abnormal human movement

Learning Outcomes of Assessments

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

Short Presentation	1	2	3	4	5
Oral Exam	1	2	3	4	5

Outline Syllabus

The structure of the human musculo-skeletal and nervous systems to include; bones, structure and function; muscle groups and actions; the nervous system, central and peripheral function; the integration of the systems to achieve human movement, kinaesthetics.

The development of normal movement and function to include reflexes, postural reactions, feedback and feed forward, integration of learnt movement, mastery of skills, normal development, neuroplasticity, co-ordination, perception.

Analysis of individual variations of movement to include observation skills, analysis, defining normality, variations in movement within normal range.

The social and physical environment, personality, motivation, locus of control, sensory derivation and ergonomics.

The development of abnormal movement and function, to include cause, observation skills, identification and compensation

Learning Activities

Lectures, work shops, experiential learning, use of students own function and movement.

References

Course Material	Book
Author	Barr, M., & Kiernan, J.A.
Publishing Year	2004
Title	The human nervous system
Subtitle	
Edition	8th
Publisher	Philadelphia: Philadelphia: Lippincott, Williams & Wilkins
ISBN	

Course Material	Book
Author	Carr, J., & Shepherd,R.
Publishing Year	2000
Title	. Movement science : foundations for physical therapy in rehabilitation.
Subtitle	
Edition	2nd
Publisher	Austin Texas: Pro Ed.
ISBN	

Course Material	Book
Author	Hamill, J., & Knutzen, K.M.
Publishing Year	2003
Title	Biomechanical basis of human movement.
Subtitle	
Edition	2nd
Publisher	Philadelphia: Lippincott Williams & Wilkins.
ISBN	

Course Material	Book
Author	Konin, J.G. (Ed.).
Publishing Year	1999
Title	Practical kinesiology for the physical therapist assistant
Subtitle	
Edition	
Publisher	Thorofare NJ: Slack Inc
ISBN	

Course Material	Book
Author	Palanstanga, N., Field, D., & Somaes, R.
Publishing Year	1998
Title	Anatomy and human movement: structure and function
Subtitle	
Edition	3rd
Publisher	Oxford: Butterworth-Heinemann.
ISBN	

Course Material	Book
Author	Tamir, E.
Publishing Year	2002
Title	The human body made simple
Subtitle	
Edition	2nd
Publisher	Edinburgh: Churchill Livingstone
ISBN	

Course Material	Book
Author	Tyldesley, B., & Grieve, J. (2002). Muscle nerves and movement in human occupation.
Publishing Year	0
Title	
Subtitle	
Edition	3rd
Publisher	Oxford: Blackwell Science.
ISBN	

Notes

The assessment for this module comprises a presentation and oral examination