

## Liverpool John Moores University

Title: CLINICAL PHARMACY - THERAPEUTICS 1  
Status: Definitive  
Code: **7024CPPHAR** (116160)  
Version Start Date: 01-08-2011

Owning School/Faculty: Pharmacy & Biomolecular Sciences  
Teaching School/Faculty: Pharmacy & Biomolecular Sciences

Team	Leader
Steven Simpson	Y
Charles Morecroft	
Jennie Simpson	
Gareth Nickless	

**Academic Level:** FHEQ7      **Credit Value:** 15.00      **Total Delivered Hours:** 50.00  
**Total Learning Hours:** 150      **Private Study:** 100

### Delivery Options

Course typically offered: Semester 1

Component	Contact Hours
Lecture	18.000
Workshop	30.000

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS1	MCQs and case studies	100.0	2.00

### Aims

*To enhance the underlying clinical knowledge of endocrinology, cardiovascular disease, rheumatology and renal conditions and to apply this expertise to the appropriate therapeutic management of patients diagnosed with these disease states.*

## Learning Outcomes

After completing the module the student should be able to:

- 1 Demonstrate their understanding of the aetiology and diagnosis of these disease states
- 2 Critically evaluate the current evidence regarding the appropriate treatment and management of these disease states
- 3 Apply their therapeutic knowledge to the critical analysis of patient treatment and management issues
- 4 Demonstrate their contribution to patient-centred care
- 5 Critically assess the clinical indicators of response and the adverse effects of drug therapy
- 6 Explain appropriately to patients and other healthcare professionals the underlying concepts of the current guidelines for the treatment and management of these disease states

## Learning Outcomes of Assessments

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

EXAM	1	2	3	4	5	6
------	---	---	---	---	---	---

## Outline Syllabus

### *Endocrinology:*

*Pathophysiology and mode of action of drugs in the management of diabetes mellitus; hypothyroidism; hyperthyroidism; disorders of calcium balance*

*Endocrine investigations*

*Hormone replacement therapy*

*Evidence-based medicine relating to common endocrine disorders*

*Drug-induced endocrine disorders*

*Pharmaceutical care needs and planning skills for patients with endocrine disorders*

### *Cardiovascular:*

*Pathophysiology and mode of action of drugs in the management of: ischaemic heart disease, hypertension, cardiac failure, endocarditis, cardiac arrest, hyperlipidaemias, arrhythmias, anticoagulation, acute coronary syndromes (ACS) and stroke (CVA)*

*Evidence-based medicine relating to cardiovascular disease*

*Prioritization of patient management problems and evaluation of risks and benefits of therapy*

### *Rheumatology:*

*Pathophysiology and treatment of Rheumatological diseases*

*Gout and Osteoarthritis*

### *Renal:*

*Clinical problems/issues in acute & chronic renal failure*

*The management of acute and chronic renal failure*

*Renal replacement therapies in End-stage renal disease*

*Application of pharmacokinetic principles and the use of clinical indicators of response*  
*Prevention and management of post-transplant rejection*  
*The role of the pharmacist with patients diagnosed with renal failure and post transplantation*

## Learning Activities

Problem based workshops, lectures, student-directed learning

## References

<b>Course Material</b>	Book
<b>Author</b>	Young LY and Koda-Kimble MA
<b>Publishing Year</b>	2009
<b>Title</b>	Applied Therapeutics: the Clinical use of Drugs
<b>Subtitle</b>	
<b>Edition</b>	9th
<b>Publisher</b>	Lippincott Williams & Wilkins
<b>ISBN</b>	0333658817

<b>Course Material</b>	Book
<b>Author</b>	Walker R and Whittlesea C
<b>Publishing Year</b>	2007
<b>Title</b>	Clinical Pharmacy and Therapeutics
<b>Subtitle</b>	
<b>Edition</b>	4th
<b>Publisher</b>	Churchill Livingstone
<b>ISBN</b>	9780443102851

---

## Notes

All therapeutics modules are linked to the clinical practice modules in the Postgraduate Clinical Pharmacy programmes, where the Group Module Leader ensures comparability between modules.