

Liverpool John Moores University

Title: ADVANCED PAEDIATRIC PHARMACOLOGY AND PRESCRIBING
Status: Definitive
Code: **7018NPAPP** (111157)
Version Start Date: 01-08-2014

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

Team	Leader
Barbara Scanlon	Y

Academic Level: FHEQ7 **Credit Value:** 20.00 **Total Delivered Hours:** 45.00
Total Learning Hours: 200 **Private Study:** 155

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	15.000
Seminar	23.000
Tutorial	5.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS1	Unseen examination	60.0	2.00
Essay	AS2	2000 word case management study.	40.0	

Competency	Practice

Aims

To provide the opportunity for scientific enquiry into pharmacological agents used in the advanced practice care of infants, children and adolescents

Learning Outcomes

After completing the module the student should be able to:

- 1 Critically analyse the use of pharmacological agents in the advanced nursing care of infants, children and adolescents, including the concepts of paediatric pharmacokinetics, pharmacodynamics and developmental pharmacology.
- 2 Critically analyse the impact of drug use in pregnancy and lactation; pharmacological agents used in emergency situations, disease prevention and illness management; drug monitoring, safety, administration and error prevention; and sources of drug information.
- 3 Synthesise the concepts of prescribing with those related to assessment, diagnosis and management of health and illness.
- 4 Meet the NMC and NPC requirements for extended and supplementary prescribing.

Learning Outcomes of Assessments

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

EXAM	2	3	4
case management study	1	3	4
Practice		3	4

Outline Syllabus

(Incorporates NMC and NPC outline curriculum for extended and supplementary prescribing).

Developmental pharmacology, paediatric pharmacodynamics and pharmacokinetics; differences in relation to children; drug absorption, distribution metabolism and excretion; drug responses and toxicity, ADR's; issues in administration of drugs to children.

Off label and unlicensed drug use in children; issues in clinical research; safe practice and error prevention; pharmacology mathematics; sources of paediatric medicines information.

Drugs in pregnancy and lactation; the drug-exposed infant; pharmacology of resuscitation.

Drugs and illness management: range of disorders, infections, illnesses and common drugs.

Vaccinations.

Pharmacological management of pain.

Consultation, decision-making, therapy, and referral; influences on and psychology of prescribing; prescription writing.

Legal policy and ethical aspects of prescribing; professional accountability and responsibility.

Evidence-based prescribing and clinical governance.

Prescribing in the public health context and team context.

Learning Activities

Interactive lectures, seminars, tutorials; clinical scenarios, problem-based learning, discussions and case presentations; self-directed learning and prescribing portfolio; supervised and reflective practice.

References

Course Material	Book
Author	Bennett, P.N. & Brown, M.J.
Publishing Year	2003
Title	Clinical Pharmacology
Subtitle	
Edition	9th ed.
Publisher	Churchill Livingstone
ISBN	

Course Material	Book
Author	Carson, D. (ed.)
Publishing Year	2003
Title	Medicines for Children
Subtitle	
Edition	
Publisher	B & MBC Books Ltd.
ISBN	

Course Material	Book
Author	Courtenay, M.
Publishing Year	2001
Title	Current Issues in Nurse Prescribing
Subtitle	
Edition	
Publisher	Greenwich Medical Media
ISBN	

Course Material	Book
Author	Journal of Paediatric and Perinatal Drug Therapy
Publishing Year	0
Title	
Subtitle	
Edition	
Publisher	
ISBN	

Course Material	Book
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Author	Journal of Pediatric Health Care
Publishing Year	0
Title	
Subtitle	
Edition	
Publisher	
ISBN	

Course Material	Book
Author	Drugs and Therapeutics Bulletin
Publishing Year	0
Title	
Subtitle	
Edition	
Publisher	
ISBN	

Notes

The clinical experience consists of 12 days (90 hours) of supervised practice with a registered medical practitioner, and a prescribing portfolio (pass/fail). Assessment of clinical practice will be the responsibility of the medical practitioner, while the portfolio will be assessed by the module leader. Unless competence is demonstrated in practice, credit will not be released.