

Liverpool John Moores University

Title: PAEDIATRIC CRITICAL CARE 1
Status: Definitive
Code: **7002NPAPP** (100482)
Version Start Date: 01-08-2014

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

Team	Leader
Cheryl Clarke	Y
Katie Barnes	

Academic Level: FHEQ7 **Credit Value:** 20.00 **Total Delivered Hours:** 64.00
Total Learning Hours: 200 **Private Study:** 136

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	28.000
Online	5.000
Seminar	12.000
Tutorial	16.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS1	Examination	80.0	3.00
Presentation	AS2	Evidence-based practice presentation	20.0	

Competency	Practice
------------	----------

Aims

To enable the student to gain the foundation knowledge requisite for advanced

paediatric critical care practice.

Learning Outcomes

After completing the module the student should be able to:

- 1 Critically analyse the physiological and pathological mechanisms that result in body system failure.
- 2 Critically analyse and synthesize the history, physical examination and relevant diagnostic tests, procedures and pharmacotherapeutics in order to assess, diagnose and manage the advanced care of critically ill children.
- 3 Critically evaluate the evidence base with regard to the assessment, diagnosis and management of critically ill children.

Learning Outcomes of Assessments

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

EXAM	1	2	
EBP	3		
Practice	1	2	3

Outline Syllabus

Ethical issues in paediatric critical care

The interpretation of diagnostic tests

Individual body system dysfunctions

Paediatric shock and trauma,

Paediatric sepsis, septic shock and MSOF

Transportation of sick children

Relevant supporting haematology, microbiology and biochemistry

Outcome measures in critical care (PICANET, PIM scoring, PEW tools, dependency scoring and workload, PBR)

Respiratory failure, respiratory support and mechanical ventilation strategies

Oncology, haematological and immunological problems in critical care

Sedation and analgesia management and problems in critical care

Paediatric critical care case studies

Learning Activities

Interactive lectures, seminars, tutorials; on-line discussion boards; problem-based learning exercises; evidence-based practice presentations; self-directed and reflective learning; video streaming; reflective practice; clinical supervision and case presentations

References

Course Material	Book
Author	Wheeler, D., Wong, H. and Shanley, T.
Publishing Year	2007
Title	Pediatric Critical Care Medicine:
Subtitle	Basic Science and Clinical Evidence
Edition	
Publisher	Springer Verlag Publishing
ISBN	

Course Material	Book
Author	Morton, N. and Doyle, E.
Publishing Year	2000
Title	More Case Presentations in Paediatric Anaesthesia and Intensive Care
Subtitle	
Edition	3rd
Publisher	Butterworth Heinemann
ISBN	

Course Material	Book
Author	Paediatrics and Child Health
Publishing Year	0
Title	
Subtitle	
Edition	
Publisher	
ISBN	

Course Material	Book
Author	Heart and Lung
Publishing Year	0
Title	
Subtitle	
Edition	
Publisher	
ISBN	

Course Material	Book
Author	Pediatric Critical Care Medicine
Publishing Year	0
Title	
Subtitle	
Edition	
Publisher	
ISBN	

Course Material	Book
Author	Journal of Advanced Nursing
Publishing Year	0
Title	
Subtitle	
Edition	
Publisher	
ISBN	

Course Material	Book
Author	Pediatrics
Publishing Year	0
Title	
Subtitle	
Edition	
Publisher	
ISBN	

Course Material	Book
Author	Park, M. and Guneroth, N.
Publishing Year	2006
Title	How to read Pediatric ECGs
Subtitle	
Edition	4th ed.
Publisher	Mosby
ISBN	

Course Material	Book
Author	Park, M.
Publishing Year	2007
Title	Pediatric Cardiology for Practitioners
Subtitle	
Edition	5th ed.
Publisher	Mosby
ISBN	

Notes

The clinical experience for this module consists of 75 hours of precepted practice (pass/fail) with a relevant, registered health care professional in an appropriate clinical setting. The assessment of practice will be the responsibility of the clinical preceptor; unless competence is demonstrated in practice, credit will not be released.