

Liverpool John Moores University

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Title: DEVELOPMENTS IN PAEDIATRIC INTENSIVE CARE
Status: Definitive but changes made
Code: **6001PQHEAL** (100519)
Version Start Date: 01-08-2014

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

Team	Leader
Sam Ellis	Y

Academic Level: FHEQ6
Credit Value: 45.00
Total Delivered Hours: 67.00
Total Learning Hours: 450
Private Study: 383

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	40.000
Online	5.000
Seminar	10.000
Tutorial	10.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	AS1	Oral Case Presentation - 60 minutes	40.0	
Exam	AS2	Written assignment - critical analysis of selected patient case 3000 words	40.0	2.00
Presentation	AS3	Objective Structured Clinical Examination - 30 minutes	20.0	1.00

Competency	Practice
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Aims

1. *To develop the student towards being a paediatric intensive care practitioner with new innovative skills and associated background knowledge to effectively manage the care of children in intensive care*
2. *To develop practitioners who are able to work effectively within the multi-professional team in the delivery of evidence based practice in relation to paediatric intensive care*

Learning Outcomes

After completing the module the student should be able to:

- 1 Appraise holistic approaches to care for the child and their family requiring intensive care, acknowledging the bio-psycho-social, legal and ethical issues (KSF 1,2,6).
- 2 Communicate effectively with the multi-professional team ensuring the delivery of evidence based practice in relation to paediatric intensive care(KSF 1,2,4,5)
- 3 Discuss and demonstrate the detailed assessment of a critically ill neonate/child/adolescent in the intensive care unit.(KSF 2,3,5)
- 4 Evaluate the current evidence base for the management and care of patients within the paediatric intensive setting (KSF 4,5)
- 5 Utilise knowledge of holistic care to develop best practice, benchmarking within the speciality of paediatric intensive care.(KSF 1,2,4,5)
- 6 Analyse your professional role within a framework of collaborative practice in the innovative delivery of paediatric intensive care (KSF 1,2,4,5,6)
- 7 Discuss the development of paediatric critical care services within a changing NHS(KSF 3,4,5)
- 8 Develop specialist knowledge and skills within paediatric intensive care. (KSF 2,3,4,5)
- 9 Discuss strategies to enable children, their carers or family and staff to become empowered into a partnership of care.(KSF 1,2,6)

Learning Outcomes of Assessments

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

Case study	1	4	5	6	7	8	9
OSCE	1	2	4	6	8		
VIVA	1	2	3	8	9		
Practice	1	2	3	4	5	8	9

Outline Syllabus

This module focuses upon the enhancement of individual expertise required to move the clinician from a position of basic effectiveness within the clinical team to a

position of refined functioning, on an individual level, within the speciality. This module content includes advanced respiratory assessment, therapies, ventilation, CXR interpretation, ABG analysis, respiratory physiology and pathology in children, cardiovascular physiology and pathology in children, congenital heart disease in the PICU, pharmacology, haemodynamic monitoring, infection and sepsis in children, nutrition in the critically ill child, gut problems in the PICU, the parent's experience of having a child in PICU and communication in PICU. The module will also look at the patterns of integration of clinical work that are emerging between different professionals delivering care within a setting. It will examine the evidence base for PICU therapies and care, legal and ethical issues in PICU, renal failure and therapies, neonatal intensive care, retrieval and transport of the critically ill child, neurological assessment and pathology in children, neuro trauma and care of the neuro surgical child, burns and trauma, metabolic and oncological emergencies in children, PALS skills, pain and sedation in intensive care, introduction to counselling skills and supporting bereaved parents and professional issues for PICU professionals.

Learning Activities

Taught sessions will utilise key lectures, tutorials, seminars, workshops, skills based teaching, practice based clinical simulation, clinical practice hours and group discussion to facilitate their learning. The 60 clinical practice hours identified in the other section in the learning hours, refer to time spent in practice with the module leader, practice mentors and supernumerary practice placements.

References

Course Material	Book
Author	Hazinski, M
Publishing Year	1999
Title	Manual of Paediatric Critical Care
Subtitle	
Edition	
Publisher	Mosby
ISBN	

Course Material	Book
Author	Hinchliff, Montague & Watson
Publishing Year	2004
Title	Physiology for Nursing Practice
Subtitle	
Edition	4th
Publisher	Balliere Tindall
ISBN	

Course Material	Book
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Author	Jevon & Ewens
Publishing Year	2002
Title	Monitoring the critically Ill Patient
Subtitle	
Edition	
Publisher	Blackwell Publishing
ISBN	

Course Material	Book
Author	Davies & Hassell
Publishing Year	2001
Title	Children in Intensive Care
Subtitle	A nurses survival guide
Edition	
Publisher	Churchill Livingstone
ISBN	

Course Material	Book
Author	Advanced Life Support Group
Publishing Year	2000
Title	Advanced Paediatric Life Support
Subtitle	
Edition	3rd
Publisher	BMJ
ISBN	

Course Material	Book
Author	NHS Executive
Publishing Year	1997
Title	A Bridge to the Future. Nursing standards and workforce planning in paediatric intensive care
Subtitle	
Edition	
Publisher	NHS Executive, Leeds
ISBN	

Course Material	Book
Author	Dept of Health
Publishing Year	2004
Title	National Service Framework for Children
Subtitle	Standards for Hospital Services
Edition	
Publisher	DoH
ISBN	

Course Material	Book
Author	Dept of Health

Publishing Year	2004
Title	The NHS Knowledge & Skills Framework
Subtitle	
Edition	
Publisher	DoH
ISBN	

Course Material	Book
Author	Dept of Health - Care group workforce team
Publishing Year	2004
Title	Children's National Workforce Competency Framework Guide
Subtitle	
Edition	
Publisher	DoH
ISBN	

Course Material	Book
Author	Dept of Health
Publishing Year	2001
Title	Making a Difference
Subtitle	
Edition	
Publisher	DoH
ISBN	

Course Material	Book
Author	NMC
Publishing Year	2004
Title	Code of Professional Conduct
Subtitle	
Edition	
Publisher	NMC
ISBN	

Course Material	Book
Author	NMC
Publishing Year	2004
Title	Guidelines for Records and record keeping
Subtitle	
Edition	
Publisher	NMC
ISBN	

Notes

In addition to the listed assessments, the student will need to provide evidence of successful completion of the practice competencies and the clinical learning contract.