

## Liverpool John Moores University

Title: NEONATAL CRITICAL CARE 3  
Status: Definitive  
Code: **7007NPAPP** (100487)  
Version Start Date: 01-08-2014

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

Team	Leader
Cath Barry	Y

**Academic Level:** FHEQ7  
**Credit Value:** 20.00  
**Total Delivered Hours:** 62.00  
**Total Learning Hours:** 200  
**Private Study:** 138

### Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	28.000
Online	5.000
Seminar	12.000
Tutorial	14.000

**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 minutes)	20.0	

Competency	Practice
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### Aims

*To enable the student to establish a strong foundation in clinical reasoning and advanced skills through the work-based application of neonatal critical care theory*

(acquired in the Neonatal Critical Care 1 and 2).

## Learning Outcomes

After completing the module the student should be able to:

- 1 Demonstrate a threshold level of competence (with appropriate clinical reasoning) in the integration of core clinical skills (including the interpretation of relevant diagnostics) that are requisite for the advanced care of critically ill neonates.
- 2 Demonstrate the ability to work autonomously (and in collaboration with the MDT when appropriate) in the advanced assessment and management of complex clinical situations in the neonatal critical care setting.
- 3 Demonstrate advanced communication skills in the neonatal critical care setting.
- 4 Critically evaluate the current evidence base with regard to the assessment, diagnosis and management of critically ill neonates.

## Learning Outcomes of Assessments

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

EXAM	1		
EBP	4		
Practice	1	2	3

## Outline Syllabus

*Advance clinical reasoning and communication: putting it all together*

*Case presentations in neonatal critical care*

*Evidence-based presentations*

*Legal and professional issues in neonatal advanced practice*

*Advanced clinical decision-making in neonatal critical care*

*Advanced clinical skills in neonatal critical care (e.g. line and chest tube insertion, septic screens, lumbar punctures and intraventricular taps)*

*Advanced airway management*

*Immunisation practice*

*Interpretation of blood gases and their relationship to ventilation and weaning*

*X-ray and ultrasound interpretation and application*

*Diagnostics: interpretation, management and application*

## 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

<b>Course Material</b>	Book
<b>Author</b>	References from Neonatal Critical Care 1 and 2
<b>Publishing Year</b>	0
<b>Title</b>	
<b>Subtitle</b>	
<b>Edition</b>	
<b>Publisher</b>	
<b>ISBN</b>	

<b>Course Material</b>	Book
<b>Author</b>	MacDonald, M. and Ramasethu, J.
<b>Publishing Year</b>	2007
<b>Title</b>	Atlas of Procedures in Neonatology
<b>Subtitle</b>	
<b>Edition</b>	4th ed.
<b>Publisher</b>	Lippincott, Williams and Wilkins
<b>ISBN</b>	

<b>Course Material</b>	Book
<b>Author</b>	Gomell, T.
<b>Publishing Year</b>	2003
<b>Title</b>	Neonatology
<b>Subtitle</b>	Management of Procedures, On-call Problems, Diseases and Drugs
<b>Edition</b>	5th ed.
<b>Publisher</b>	McGraw-Hill
<b>ISBN</b>	

<b>Course Material</b>	Book
<b>Author</b>	Goldsmith, J. and Karotkin, E.
<b>Publishing Year</b>	2003
<b>Title</b>	Assisted Ventilation of the Neonate
<b>Subtitle</b>	
<b>Edition</b>	4th ed.
<b>Publisher</b>	Saunders
<b>ISBN</b>	

<b>Course Material</b>	Book
<b>Author</b>	Martin, R., Fanaroff, A. and Walsh, M.
<b>Publishing Year</b>	2005
<b>Title</b>	Fanaroff and Martin's Neonatal and Perinatal Medicine
<b>Subtitle</b>	Diseases of the Fetus and Newborn
<b>Edition</b>	8th ed.
<b>Publisher</b>	Mosby
<b>ISBN</b>	

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<b>Course Material</b>	Book
<b>Author</b>	Donn, S. and Sinha, S.
<b>Publishing Year</b>	2006
<b>Title</b>	Manual of Neonatal Respiratory Care
<b>Subtitle</b>	
<b>Edition</b>	2nd ed.
<b>Publisher</b>	Mosby
<b>ISBN</b>	

<b>Course Material</b>	Book
<b>Author</b>	Higgs, J. and Jones, M.
<b>Publishing Year</b>	2000
<b>Title</b>	Critical Reasoning in the Health Professions
<b>Subtitle</b>	
<b>Edition</b>	2nd ed.
<b>Publisher</b>	Butterworth Heineman
<b>ISBN</b>	

<b>Course Material</b>	Book
<b>Author</b>	Del Mar, C. Doust, J. and Glasziou, P.
<b>Publishing Year</b>	2006
<b>Title</b>	Clinical Thinking, Evidence, Communication and Decision-making
<b>Subtitle</b>	
<b>Edition</b>	
<b>Publisher</b>	BMJ Books
<b>ISBN</b>	

<b>Course Material</b>	Book
<b>Author</b>	Thompson, C. and Dowding, D.
<b>Publishing Year</b>	2002
<b>Title</b>	Clinical decision-making and Judgement in Nursing
<b>Subtitle</b>	
<b>Edition</b>	
<b>Publisher</b>	Churchill Livingstone
<b>ISBN</b>	

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## Notes

The clinical experience for this module consists of 120 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.