Liverpool John Moores University

Title:	NEONATAL CRITICAL CARE 1
Status:	Definitive
Code:	**7005NPAPP** (100485)
Version Start Date:	01-08-2014

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

Team	emplid	Leader
Cath Barry		Y

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 minutes)	20.0	

Competency	Practice

Aims

To prepare students to assess, diagnose and manage the high risk infant.

Learning Outcomes

After completing the module the student should be able to:

1   Critically analyse the physiological and pathological mechanisms that result in the problems associated with high risk newborns.
2   Demonstrate depth of knowledge in the advanced assessment, diagnosis, organisation and management of the high risk infant.
3   Critically examine the evidence-base with regard to the problems of high risk infants in the critical care setting.

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 the high risk neonate
Problems of high risk infants:
Thermoregulation
Anaemia
Jaundice
Glucose regulation
Infection risk
NAS
Fetal distress
Safeguarding issues in high risk infants
Management of infants on transitional care and post-natal problems
The immune system, infection control and principles of microbiology
Nutrition and growth in the premature infant
Congenital malformations and surgical problems in the neonate
Developmental care
Haematology in the high risk infant
Genetic problems in the high risk infant
The renal system, fluid balance and biochemistry in the high risk infant
Interpretation of diagnostic tests
Pain management in the neonate
Outcome measures in neonatal critical care
Neonatal 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	Blackburn, S
Publishing Year	2007
Title	Maternal, Fetal and Neonatal Physiology
Subtitle	A Clinical Perspective
Edition	3rd
Publisher	Saunders
ISBN	

Course Material	Book
Author	Roberton, R. and Rennie, J.
Publishing Year	2001
Title	Manual of Neonatal Intensive Care
Subtitle	
Edition	4th
Publisher	Hodder Arnold
ISBN	

Course Material	Book
Author	Merenstein, G. and Gardener, S.
Publishing Year	2006
Title	Handbook of Neonatal Intensive Care
Subtitle	
Edition	6th
Publisher	Mosby
ISBN	

Course Material	Book
Author	Klaus, M. and Fanaroft, A.
Publishing Year	2001
Title	Care of the High Risk Infant
Subtitle	
Edition	5th
Publisher	Saunders
ISBN	

Course Material	Book
Author	Journal of Neonatal Nursing
Publishing Year	0
Title	

Subtitle	
Edition	
Publisher	
ISBN	

Course Material	Book
Author	Archives of Paediatric Medicine
Publishing Year	0
Title	
Subtitle	
Edition	
Publisher	
ISBN	

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

Course Material	Book
Author	Seminars in Neonatology
Publishing Year	0
Title	
Subtitle	
Edition	
Publisher	
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.