

## Liverpool John Moores University

Title: Advanced Neonatal and Paediatric Physiology and Assessment  
Status: Definitive  
Code: **7000APNP** (125432)  
Version Start Date: 01-08-2021

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

Team	Leader
Nick Medforth	Y

**Academic Level:** FHEQ7      **Credit Value:** 20      **Total Delivered Hours:** 63

**Total Learning Hours:** 200      **Private Study:** 212

### Delivery Options

Course typically offered: Non Standard Year Long

Component	Contact Hours
Lecture	30
Placement/Practice	75
Seminar	30

**Grading Basis:** 50 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	MCQ Exam	Advice Leaflet	80	3
Artefacts	Leaflet	Multiple Choice Question Exam	20	

Competency	Practice
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### Aims

*Students will synthesise advanced clinical assessment skills with relevant physiological principles that underpin the care of neonates, infants, children and young people across primary, secondary and tertiary care settings.*

## Learning Outcomes

After completing the module the student should be able to:

- 1 Critically analyse the physiological mechanisms that maintain the health of neonates, infants, children and young people.
- 2 Critically apply advanced clinical skills in relation to the assessment and examination of neonates, infants, children and young people.

## Learning Outcomes of Assessments

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

Multiple Choice Question	1	2
Exam		
Family Advice Leaflet	2	

Practice

## Outline Syllabus

*Genetics and Embryology*

*Advanced Communication and History Taking*

*Foetal and Neonatal physiology and Assessment of the New-born*

*HEENT and the Lymphatic System Physiology and Assessment*

*Respiratory Physiology and Assessment*

*Cardiac Physiology and Assessment*

*Gastrointestinal Physiology and Assessment*

*Renal and Genitourinary Physiology and Assessment*

*Skin and Musculoskeletal Physiology and Assessment*

*Haematological Physiology and Introduction to Lab Values*

*Introduction to Imaging*

*Physiology of the Immune System*

## Learning Activities

Blended Learning ; Asynchronous delivery (Lecture) and synchronous delivery (Seminar and Tutorial)

Practice Learning in clinical setting

Directed/ Private Study

OSCE/ DOPS/ mini-CEX

Case-Based Discussions

## Notes

The clinical experience for this module consists of 75 hours of precepted paediatric or neonatal practice to include 15 hours in a related sub-speciality. This will be in an appropriate setting with a relevant registered health care professional. The

assessment of clinical practice will be evidenced by successful achievement of the programme competencies and must include completion of any 2 of the following: Directly Observed Procedural Skills (DOPS), Mini-Clinical Evaluation Exercise (mini-CEX) and Case-Based Discussions (CBD.) Assessment is the responsibility of the clinical preceptor; unless competence is demonstrated in practice credit will not be released. Ongoing formative feedback will be provided to students by the module team on the basis of two clinical consultation write ups submitted by the student. Students will also be required to digitally submit an Observed, Structured Clinical Examination (OSCE) in which they successfully complete a head to toe physical examination and basic history taking. The OSCE will be assessed on a pass or fail basis.