MODULE SPECIFICATION

KEY FACTS

<table>
<thead>
<tr>
<th>Module name</th>
<th>Critical thinking and Diagnostic Reasoning across the Lifespan - Neonates</th>
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<tbody>
<tr>
<td>Module code</td>
<td>APM011</td>
</tr>
<tr>
<td>School</td>
<td>School of Health Sciences</td>
</tr>
<tr>
<td>Department or equivalent</td>
<td>Division of Nursing</td>
</tr>
<tr>
<td>UK credits</td>
<td>15</td>
</tr>
<tr>
<td>ECTS</td>
<td>7.5</td>
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<tr>
<td>Level</td>
<td>7</td>
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</tbody>
</table>

MODULE SUMMARY

Module outline

This module will enable you to apply and integrate knowledge, analytical and critical thinking skills and to develop sound judgements in your area of practice.

Aims

- To develop your conceptual ability and autonomy to recognise situations, cues and make judgements that contribute to decisions determining diagnostic, prognostic and intervention pathways for patients /clients and their significant others.
- Enable you to apply and integrate knowledge, analytical and critical thinking skills to develop sound judgements about data applicable to your area of practice.

Content outline

- Articulating a relevant review of systems.
- Methods of questioning/communicating with infants and families.
- Effective clinical decision making strategies supported by theoretical frameworks.
- Overall clinical examination processes.
- Methods of examining and managing medical and surgical neonates
- In depth management, assessment and clinical examination of the following systems:
  - Foetal to newborn transition
  - Respiratory
  - Cardiovascular
  - Neurological/developmental
  - Gastro intestinal
  - Immunological
Liver / renal
Methods of obtaining and communicating history taking and clinical examination findings.
Models, measurement, and strategies in developing critical-thinking skills
Clinical decision making
Diagnostic reasoning in practice the ability to interpret clinical findings in relation to underlying pathophysiological processes.
Clinical Judgement
Problem solving and reflective practice in advanced practice
Case management in advanced practice
Neonatal stabilisation and transfer

WHAT WILL I BE EXPECTED TO ACHIEVE?

On successful completion of this module, you will be expected to be able to:

Knowledge and understanding:

- Critically evaluate current knowledge and information in your own area of practice to develop the ability to make reasoned clinical judgements and decisions based on the best available evidence.

- Synthesise coherently and effectively knowledge and expertise related to an area of practice and be able to give a rational explanation of the process used in your decision making at an advanced level.

Skills:

- Demonstrate a conceptual understanding of the assessment, judgement and decision making process to improve your practice.

- Use higher order cognitive skills to make decisions that are underpinned and informed by sound clinical judgements.

Values and attitudes:

- Justify personal and professional clinical decisions through critical evaluation and synthesis of relevant theories, empirical evidence and experience to promote optimal clinical care.

- Evaluate health outcomes with regard to intervention effectiveness and patient/client satisfaction.
HOW WILL I LEARN?
Teaching and Learning Strategies

Lead Lectures

This is a useful method for presenting an overview of new material and will stimulate you to read further around this subject.

Clinical

You must spend a minimum of 150 hours in the clinical area managing sick babies, attending clinical teachings and seminars. You must be mentored by a neonatal consultant in your clinical practice in order to develop your skills and knowledge.

You must have your clinical hours and study time approved before commencing the programme.

Small group work

Small groups will encourage you to apply theory to practice and extend the depth and breadth of your knowledge; providing opportunities for debate, exploration of personal thoughts and ideas and practice experiences.

Personal Tutorials
Tutorials and reflection on learning with your personal tutor enable your progress to be discussed as well as issues of concern about the programme raised. Tutorials also offer you academic and pastoral support and may be face to face or on line a providing virtual learning environment (VLE).

VLE
The Moodle, on line module will enable a variety of communication forums providing both real time and on-going discussion and reflection

Teaching pattern:

<table>
<thead>
<tr>
<th>Teaching component</th>
<th>Teaching type</th>
<th>Contact hours (scheduled)</th>
<th>Self-directed study hours (independent)</th>
<th>Placement hours</th>
<th>Total student learning hours</th>
</tr>
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<tbody>
<tr>
<td>Classroom teaching</td>
<td>lecture</td>
<td>45</td>
<td>Negotiated</td>
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<tr>
<td>Clinical teaching</td>
<td>Seminars Ward rounds Clinical</td>
<td>Negotiated</td>
<td>Negotiated</td>
<td>105</td>
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</table>
WHAT TYPES OF ASSESSMENT AND FEEDBACK CAN I EXPECT?

Assessments

There are two assessments for this module.

You will be assessed through an Objective Structured Clinical Examination (OSCE). To achieve a pass in this assessment you must achieve a pass in history taking, physical assessment, management of a sick neonate and diagnostic reasoning skills.

Secondly, you will be assessed through a skills portfolio. This will enable you to demonstrate achievement of competences in neonatal management and diagnostic procedures. Your portfolio will consist of a list of skills that must be proficiently achieved by the end of the module.

Assessment pattern:

<table>
<thead>
<tr>
<th>Assessment component</th>
<th>Assessment type</th>
<th>Weighting</th>
<th>Minimum qualifying mark</th>
<th>Pass/Fail?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Practical</td>
<td>OSCE</td>
<td>50%</td>
<td>50%</td>
<td>N/A</td>
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<tr>
<td>Skills book</td>
<td>Portfolio</td>
<td>50%</td>
<td>NA</td>
<td>Pass or fail</td>
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Assessment criteria

Information on the above module assessment criteria and grade-related criteria can be found on the module space in Moodle.

Feedback on assessment

Following an assessment, you will be given marks and feedback in line with the Assessment Regulations and Policy. Information on the above module assessment criteria and grade-related criteria can be found on the module space in Moodle.

More information on the timing and type of feedback that will be provided for each assessment will be available from the module leader.

Assessment Regulations

The Pass mark for the OSCE assessment is 50%. The pass mark for the skill portfolio is pass/fail. Any minimum qualifying marks for specific assessments are listed in the table.
above. The weighting of the different components can also be found above. The Programme Specification contains information on what happens if you fail an assessment component or the module.

INDICATIVE READING LIST

* Denotes core (indicative reading)
** Denotes supplementary reading. The remaining references are suggested reading.


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Version date: April 2015
For use from: 2014-15

Appendix: see http://www.hesa.ac.uk/content/view/1805/296/ for the full list of JACS codes and descriptions

<table>
<thead>
<tr>
<th>CODES</th>
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<table>
<thead>
<tr>
<th>HESA Code</th>
<th>Description</th>
<th>Price Group</th>
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</thead>
<tbody>
<tr>
<td>05</td>
<td>Nursing &amp; paramedical studies</td>
<td></td>
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<table>
<thead>
<tr>
<th>JACS Code</th>
<th>Description</th>
<th>Percentage (%)</th>
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<tr>
<td>B731</td>
<td>The study of the principles and techniques to allow nurses to support and provide care for new-born babies who are premature or who are born sick, and their families.</td>
<td>100</td>
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