Module overview

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Click here for the Module weblink

February 2021 & September 2021 intake
Module Objectives and Learning Outcomes

The objective of this module is that students will be able to safely and competently care for critically ill patients in the critical care environment in which they are employed.

Learning Outcomes

On completion of this module, students should be able to:

1. Demonstrate an understanding of normal anatomy and physiology and its application to disordered function.
2. Demonstrate the application of available knowledge to guide the assessment, planning, implementation and evaluation of evidence-based nursing care.
3. Perform and review a comprehensive and systematic assessment of a critically ill patient using an appropriate framework.
4. Interpret and examine assessment results and data using supportive research to determine normal values and underlying pathophysiology for critically ill patients.
5. Evaluate the clinical significance and nursing implications of assessment data.
6. Demonstrate and maintain therapeutic and professional relationships by delivering systematic and comprehensive patient care.
7. Integrate research and reflection into clinical practice.
8. Promote continuity of care by contributing to multidisciplinary collaboration across the health care continuum.

Module Structure

The National Foundation Module in Critical Care Nursing is a 10 credit, part-time, taught blended learning module. It is designed to meet the learning needs of busy Registered Nurses (RNs), by providing a flexible (blended) learning environment.

The duration of this module is 26 weeks. There are two intakes per year, September and February. Students will be required to attend a virtual online class on the following dates:

**February 2021 Intake:** Thursday, February 4th (Orientation), Thursday, March 24th (Workshop focusing on units 1&3) and Thursday, June 10th (MCQ exam & Workshop focusing on units 3-6).

**September Intake:** Thursday, September 9th (Orientation), Thursday, October 21st (Workshop focusing on units 1&3) and Thursday, January 12th (MCQ exam & Workshop focusing on units 3-6).

Assessments:

Theoretical learning will be examined using a Case Study Presentation and an end of module MCQ examination.

Clinical learning will be examined through the attainment of Clinical Competencies in the student's employment setting.
Teaching and Learning strategies

The following teaching and learning strategies will be integrated into the schedule to facilitate each student to achieve the aims and objective of the module.

Blended learning methodologies

E-learning: Online learning activities with links to online readings and self-directed learning will enhance the student’s ability to learn independently and facilitate knowledge and understanding of theories and principles of critical care nursing.

Online learning

This module consists of six units of study.

Unit 1: Care of the patient with altered respiratory function
Unit 2: Care of the patient with altered cardiovascular function
Unit 3: Care of the patient with altered renal function and fluids & electrolyte balance
Unit 4: Care of the patient with altered gastrointestinal and endocrine function
Unit 5: Care of the patient with altered neurological function
Unit 6: Managing the Critically Ill Patient

Students will be able to check their understanding with formative clinical case study reviews, formative online quizzes and summative clinical case presentation assignment and MCQ examination.

Skill acquisition

Students will be immersed in clinical practice and supported and assessed by a clinical preceptor and or clinical facilitator for the duration of the module. During this time, students will avail of situational learning opportunities to develop the required technical skills and attitudes to function safely in their clinical area. Online interactive learning activities and workshops will also enhance the student's knowledge underpinning the technical skill associated with each unit of learning.
Units of learning

UNIT 1: Care of the patient with altered respiratory function

UNIT 2: Care of the patient with altered cardiovascular function

Subject to change
UNIT 3: Care of the patient with altered renal function and fluids and electrolyte balance

UNIT 4: Care of the patient with altered gastrointestinal and endocrine function

Subject to change
UNIT 5: Care of the patient with altered neurological function

- Neurological System
  - Introducing the Neurological System
    - Anatomy and Physiology
    - Neurological Assessment
  - Nursing management:
    - Acquired brain injury (ABI)
  - ICP Monitoring and management
  - Spinal Injury
  - GCS assessment
  - Spinal precautions
  - Pain, Sedation, Seizure, Delirium assessment & Management

UNIT 6: Managing the Critically Ill Patient

- Managing the Critically Ill Patient
  - Patient and family Education in Critical Care
  - Patient Management
  - Patient Safety
    - Professionalism
    - Delirium
    - Infection control
    - Integumentary system
    - Transport of the Critically Ill
      - End of Life Care
      - Person centred care and Family involvement
  - Communication
  - Person centred care and Family involvement
  - End of Life Care
<table>
<thead>
<tr>
<th>Class</th>
<th>Date</th>
<th>Module Content</th>
<th>Lecture/Workshop</th>
<th>Learning Activity</th>
<th>Assessment</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Feb 8th - Feb 26th</td>
<td>Care of the patient with altered respiratory function</td>
<td>Online in Brightspace</td>
<td>Review online learning resources &amp; complete assigned reading</td>
<td>Self-directed formative MCQ; &amp; case studies</td>
</tr>
<tr>
<td>2</td>
<td>Mar 1st - Mar 19th</td>
<td>Care of the patient with altered cardiovascular function</td>
<td>Online in Brightspace</td>
<td>Review online learning resources &amp; complete assigned reading</td>
<td>Self-directed formative MCQ; &amp; case studies Formative Submit 1st reflection</td>
</tr>
<tr>
<td></td>
<td>Thursday, March 25th</td>
<td><strong>Online Workshop</strong> Theoretical application (unit 1 &amp; 2) in practice</td>
<td>Online in Brightspace</td>
<td>Formative feedback during Workshop</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Mar 22nd – April 2nd</td>
<td>Care of the patient with altered renal function</td>
<td>Online in Brightspace</td>
<td>Review online learning resources &amp; complete assigned reading</td>
<td>Self-directed formative MCQ; &amp; case studies</td>
</tr>
<tr>
<td>4</td>
<td>April 12th – April 23rd</td>
<td>Care of the patient with altered gastrointestinal and endocrine function</td>
<td>Online in Brightspace</td>
<td>Review online learning resources &amp; complete assigned reading</td>
<td>Self-directed formative MCQ; &amp; case studies</td>
</tr>
<tr>
<td>5</td>
<td>April 26th – May 7th</td>
<td>Care of the patient with altered neurological function</td>
<td>Online in Brightspace</td>
<td>Review online learning resources &amp; complete assigned reading</td>
<td>Self-directed formative MCQ; &amp; case studies Summative: submit Case Presentation (April 30th)</td>
</tr>
<tr>
<td>6</td>
<td>May 10th - May 21st</td>
<td>Care of the patient with Multisystem disorders</td>
<td>Online in Brightspace</td>
<td>Review online learning resources &amp; complete assigned reading</td>
<td>Self-directed formative MCQ; &amp; case studies</td>
</tr>
<tr>
<td></td>
<td>Thursday, June 10th</td>
<td><strong>Online MCQ exam &amp; Workshop</strong></td>
<td>Online in Brightspace</td>
<td>Summative MCQ examination</td>
<td></td>
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**Easter Break: April 5th – April 9th**

**MCQ Final Assessment will take place on Thursday, June 10th, 2021**

**Submission of Clinical Competency Attainment Document is due on August 13th 2021**

Subject to change
## Module Outline September Intake 2021

### NMHS 32700 National Foundation Programme Critical Care Nursing –

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<tr>
<td></td>
<td></td>
<td></td>
<td>Online in Brightspace</td>
<td></td>
<td>N/A</td>
</tr>
<tr>
<td>1</td>
<td>Sept 13th – Oct. 1st.</td>
<td>Care of the patient with altered respiratory function</td>
<td>Online in Brightspace</td>
<td>Review online learning resources &amp; complete assigned reading</td>
<td>Self-directed formative MCQ; &amp; case studies</td>
</tr>
<tr>
<td>2</td>
<td>Oct. 4th – Oct. 22nd</td>
<td>Care of the patient with altered cardiovascular function</td>
<td>Online in Brightspace</td>
<td>Review online learning resources &amp; complete assigned reading</td>
<td>Self-directed formative MCQ; &amp; case studies Formative Submit 1st reflection</td>
</tr>
<tr>
<td></td>
<td><strong>Thursday Oct.21st</strong></td>
<td><strong>Online Workshop</strong> Theoretical application (unit 1 &amp; 2) in practice</td>
<td>Online in Brightspace</td>
<td>Formative feedback during Workshop</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Oct.26th – Nov. 5th</td>
<td>Care of the patient with altered renal function</td>
<td>Online in Brightspace</td>
<td>Review online learning resources &amp; complete assigned reading</td>
<td>Self-directed formative MCQ; &amp; case studies</td>
</tr>
<tr>
<td>4</td>
<td>Nov. 8th - Nov. 19th</td>
<td>Care of the patient with altered gastrointestinal and endocrine function</td>
<td>Online in Brightspace</td>
<td>Review online learning resources &amp; complete assigned reading</td>
<td>Self-directed formative MCQ &amp; case studies Summative: submit Case Presentation (Nov 26th)</td>
</tr>
<tr>
<td>5</td>
<td>Nov. 22nd – Dec. 3rd</td>
<td>Care of the patient with altered neurological function</td>
<td>Online in Brightspace</td>
<td>Review online learning resources &amp; complete assigned reading</td>
<td>Self-directed formative MCQ; &amp; case studies</td>
</tr>
<tr>
<td>6</td>
<td>Dec 6th – Dec. 17th.</td>
<td>Care of the Critically Ill Patient</td>
<td>Online in Brightspace</td>
<td>Review online learning resources &amp; complete assigned reading</td>
<td>Self-directed formative MCQ; &amp; case studies</td>
</tr>
<tr>
<td></td>
<td><strong>Thursday Jan.12th</strong></td>
<td><strong>Online MCQ exam &amp; Workshop</strong></td>
<td>Online in Brightspace</td>
<td>Summative MCQ examination</td>
<td></td>
</tr>
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**MCQ Final Assessment will take place on Thursday, January 12th, 2022**

**Jan. 17th – March 18th**

Nine weeks of clinical learning consolidation and completion of competency attainment record

In practice and online in Brightspace

Reflective exercise

Formative Submit 2nd reflection

Submission of Clinical Competency Attainment Document is due on March 18th, 2022
Required reading:


Morton, P.G. and Fontaine, D.K., 2013. Essentials of Critical Care Nursing. Wolters Kluwer Health/Lippincott Williams & Wilkins,