



UCD School of
Nursing, Midwifery
and Health Systems



CPD Certificate National Foundation Education Module

NMHS 32700 National Foundation Module Critical Care Nursing

Module overview

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Click here for the **[Module weblink](#)**

February 2022 & September 2022 intake

Module Objectives and Learning Outcomes

The objective of this module is that students will be able to care for critically ill patients safely and competently 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 2022 Intake: Thursday, February 3rd (Orientation), Thursday, March 24th (Workshop focusing on units 1&3) and Thursday, June 9th (MCQ exam & Workshop focusing on units 3-6).

September 2022 Intake: Thursday, September 8th (Orientation), Thursday, October 20th (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 objectives 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

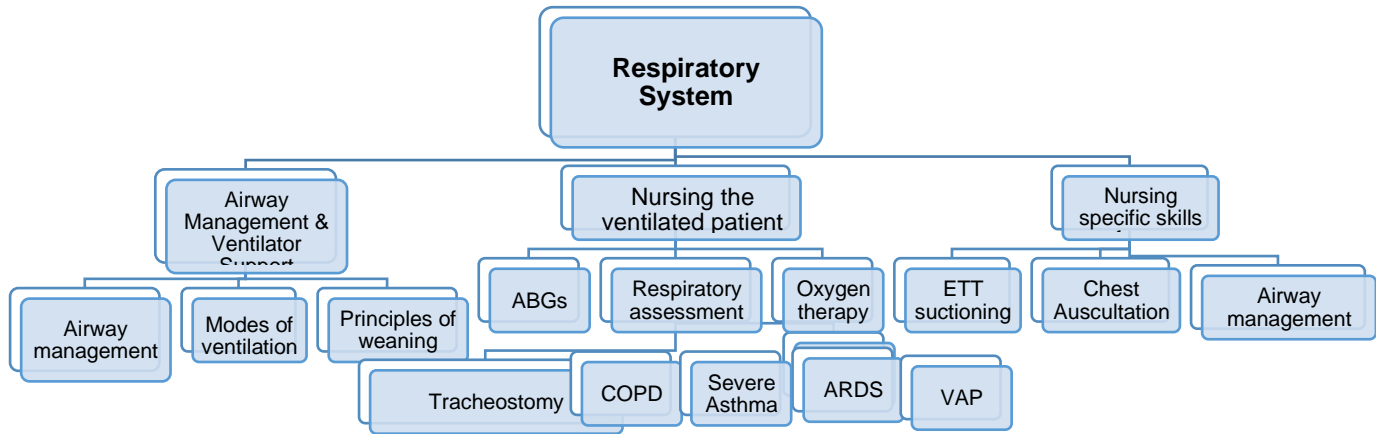
Students will be able to check their understanding with formative clinical case study reviews, formative online quizzes, and a summative clinical case presentation assignment and MCQ examination.

Skill acquisition

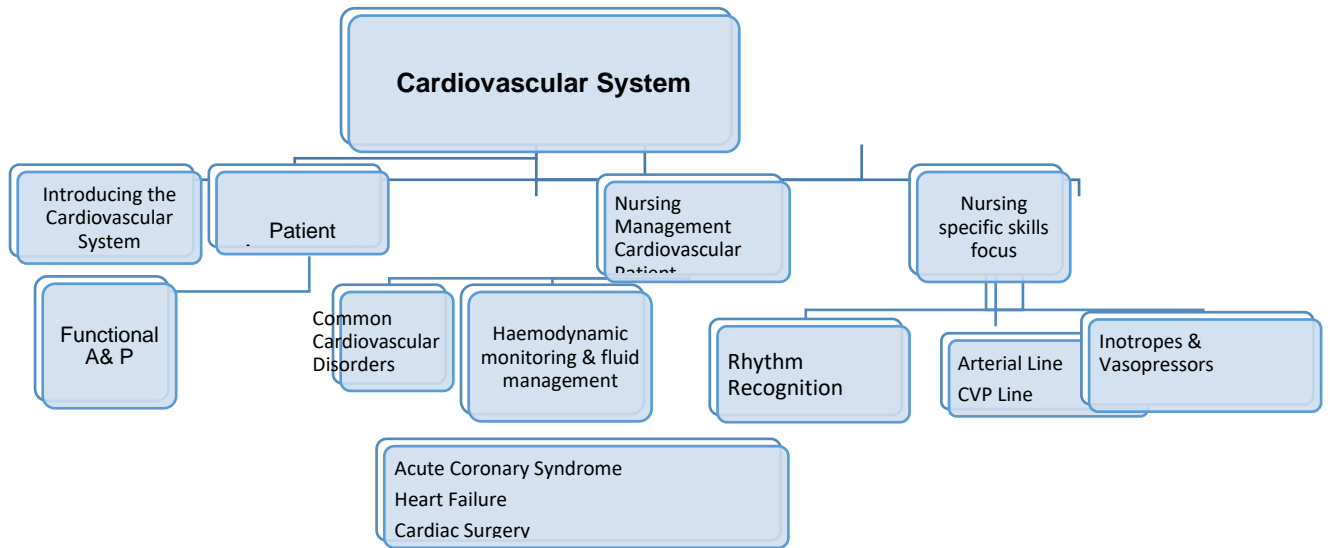
Students will be immersed in clinical practice and supported and assessed by a clinical preceptor and or clinical facilitator for the duration of the module. During this time, students will avail of situational learning opportunities to develop the required technical skills and attitudes to function 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

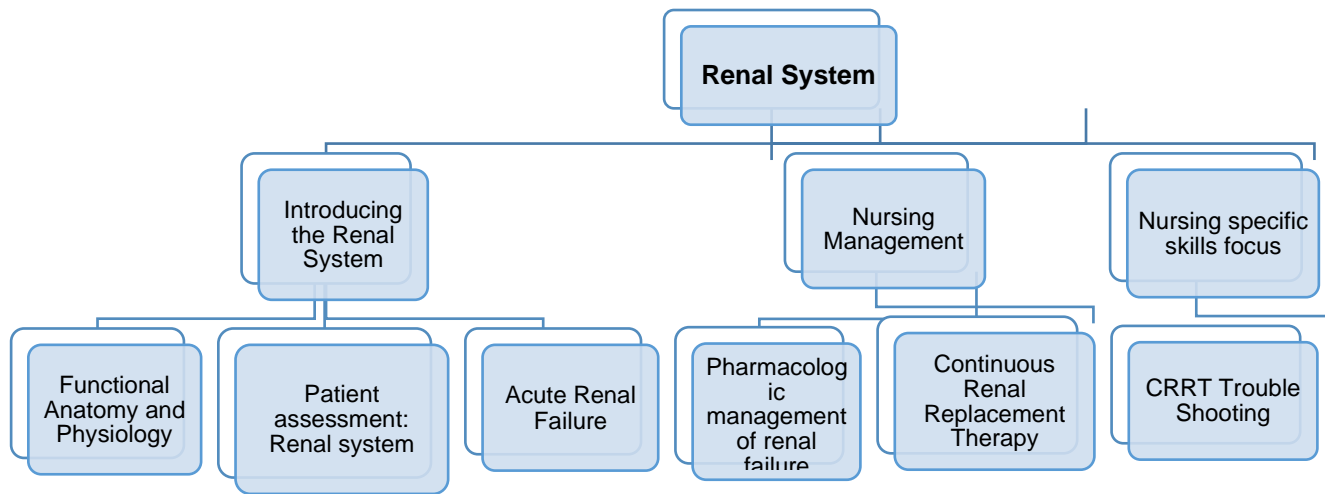


Unit 2: Care of the patient with altered cardiovascular function

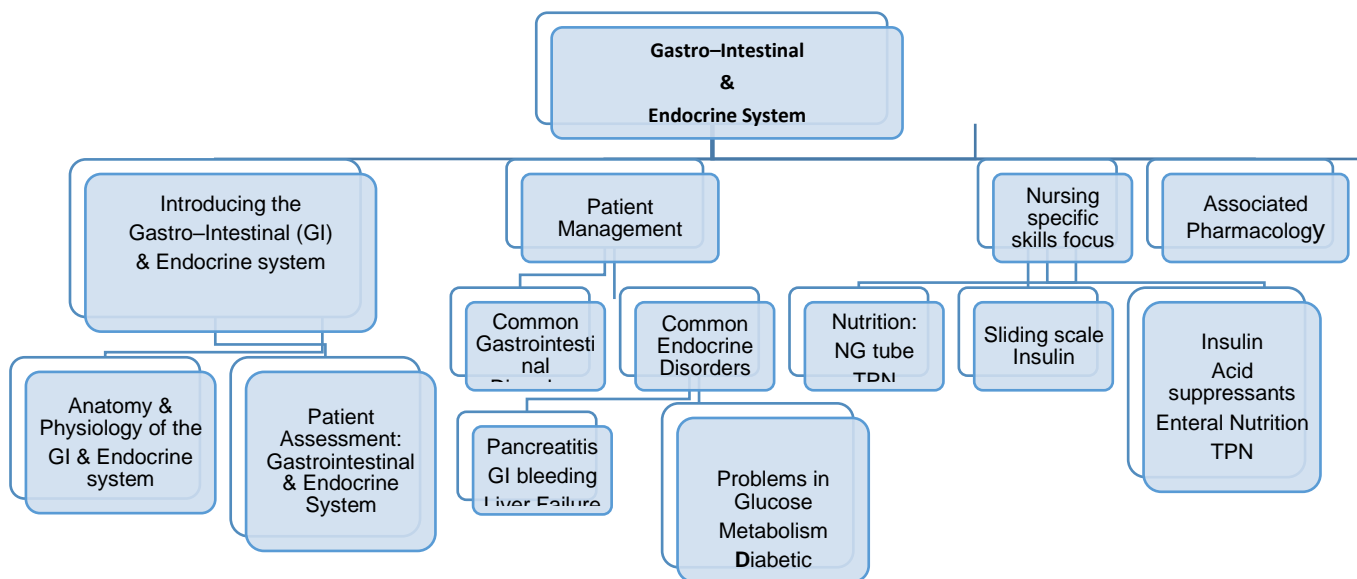


Subject to change

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

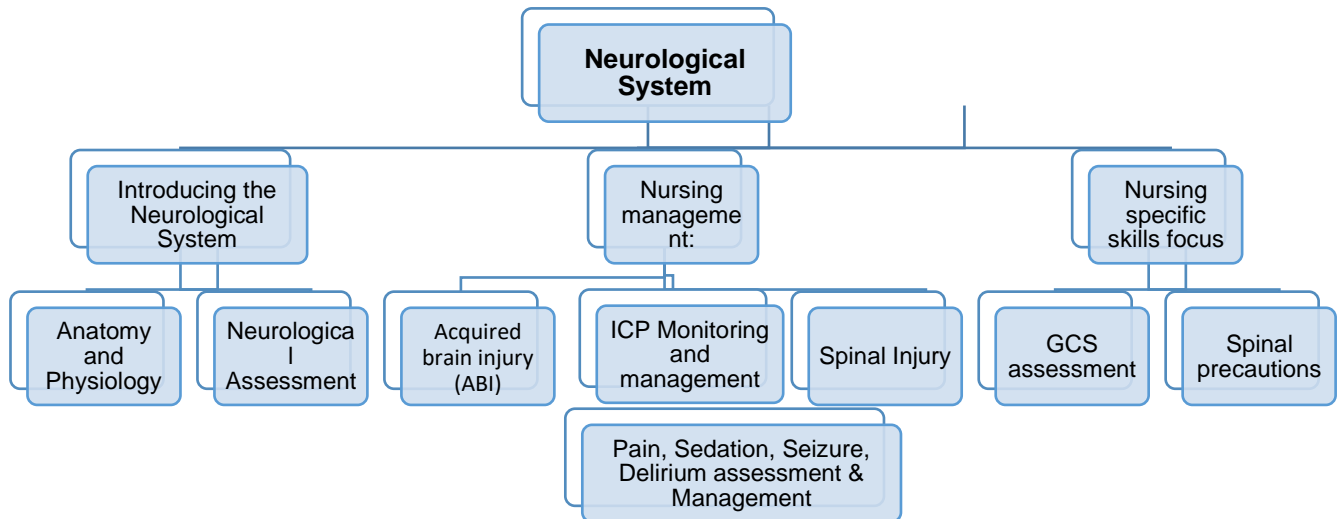


UNIT 4: Care of the patient with altered gastrointestinal and endocrine function

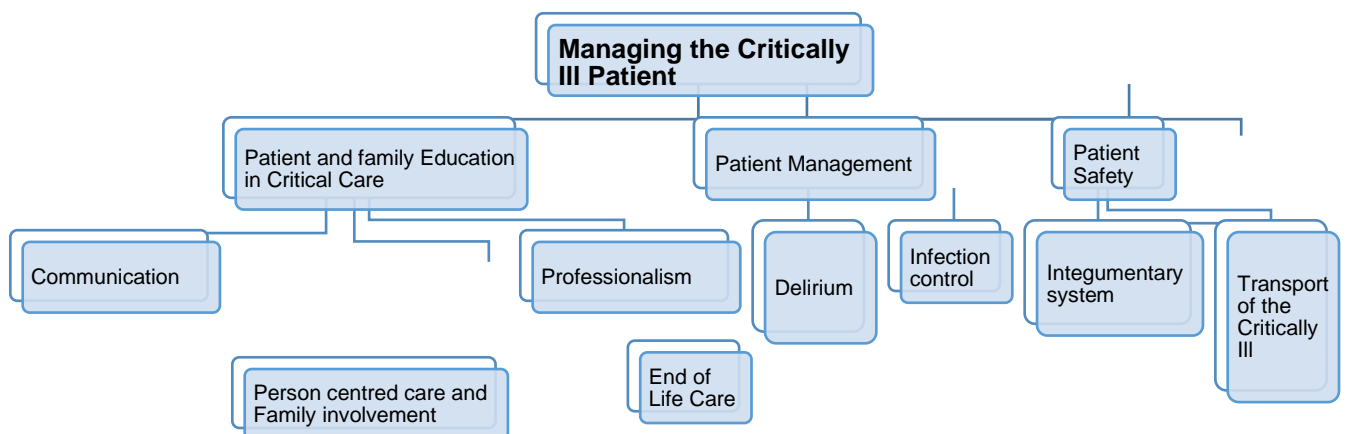


Subject to change

UNIT 5: Care of the patient with altered neurological function



UNIT 6: Managing the Critically Ill Patient



Module Outline February Intake 2022

NMHS 32700 National Foundation Programme Critical Care Nursing –					
Class	Date	Module Content	Lecture /Workshop	Learning Activity	Assessment
	Thursday Feb. 3rd	Online Induction & orientation to online learning.	<i>Online</i> in Brightspace		N/A
1	Feb 7th - Feb 27th	Care of the patient with altered respiratory function	Online in Brightspace	Review online learning resources & complete assigned reading	Self-directed formative MCQ; & case studies
2	Feb 28th - Mar 20th	Care of the patient with altered cardiovascular function	Online in Brightspace	Review online learning resources & complete assigned reading	Self-directed formative MCQ. & Case studies Formative Submit 1st reflection
	Thursday, March 24 th	Online Workshop Theoretical application (unit 1 & 2) in practice	Online in Brightspace		Formative feedback during Workshop
3	Mar 28 th – April 10 th	Care of the patient with altered renal function	Online in Brightspace	Review online learning resources & complete assigned reading	Self-directed formative MCQ; & case studies
April 11th – April 24th Easter Break					
4	April 25 th May 8 th	Care of the patient with altered gastrointestinal and endocrine function	Online in Brightspace	Review online learning resources & complete assigned reading	Self-directed formative MCQ; & case studies
5	May 9 th - May 22 nd	Care of the patient with altered neurological function	Online in Brightspace	Review online learning resources & complete assigned reading	Self-directed formative MCQ; & case studies Summative: submit Case Presentation (April 30th)
6	May 23 rd – June 5 th	Care of the patient with Multisystem disorders	Online in Brightspace	Review online learning resources & complete assigned reading	Self-directed formative MCQ; & case studies
	Thursday, June 16 th	Online MCQ exam & Workshop	Online in Brightspace		Summative MCQ examination
MCQ Final Assessment will take place on Thursday, June 16th 2022					
	June 20 th – Aug 21 st	Nine weeks of clinical learning consolidation and completion of competency attainment record	<i>In practice and online in Brightspace</i>	Reflective exercise	Formative Submit 2nd reflection
Submission of Clinical Competency Attainment Document is due on August 21st 2022					

Subject to change

Module Outline September Intake 2022

NMHS 32700 National Foundation Programme Critical Care Nursing –					
Class	Date	Module Content	Lecture /Workshop	Learning Activity	Assessment
	Thursday Sept.8th	Online Induction & orientation to online learning.	Online in Brightspace		N/A
1	Sept 12th – Oct. 2nd.	Care of the patient with altered respiratory function	Online in Brightspace	Review online learning resources & complete assigned reading	Self-directed formative MCQ; & case studies
2	Oct. 3rd – Oct. 23rd	Care of the patient with altered cardiovascular function	Online in Brightspace	Review online learning resources & complete assigned reading	Self-directed formative MCQ; & case studies Formative Submit 1st reflection
	Thursday, Oct.20th	Online Workshop Theoretical application (unit 1 & 2) in practice	Online in Brightspace		Formative feedback during Workshop
3	Oct.24th – Nov. 6th	Care of the patient with altered renal function	Online in Brightspace	Review online learning resources & complete assigned reading	Self-directed formative MCQ; & case studies
4	Nov. 7th - Nov. 20th	Care of the patient with altered gastrointestinal and endocrine function	Online in Brightspace	Review online learning resources & complete assigned reading	Self-directed formative MCQ & case studies Summative: submit Case Presentation (Nov 26th)
5	Nov. 21st – Dec. 4th	Care of the patient with altered neurological function	Online in Brightspace	Review online learning resources & complete assigned reading	Self-directed formative MCQ; & case studies
6	Dec 5th – Dec. 18th.	Care of the Critically Ill Patient	Online in Brightspace	Review online learning resources & complete assigned reading	Self-directed formative MCQ; & case studies
	Thursday, Jan.12 th	Online MCQ exam & Workshop	Online in Brightspace		Summative MCQ examination
MCQ Final Assessment will take place on Thursday, January 12th, 2023,					

	Jan. 16th – March 19th	Nine weeks of clinical learning consolidation and completion of competency attainment record	<i>In practice and online in Brightspace</i>	Reflective exercise	Formative Submit 2nd reflection
Submission of Clinical Competency Attainment Document is due on March 19th, 2023					

Required reading:



Adam, S.K., Osborne, S. & Welch, J. (2017), *Critical care nursing: science and practice*, 3rd edn, Oxford University Press, Oxford.

Mallett, J., Albarran, J. and Richardson, A. (2013). *Critical Care Manual of Clinical Procedures and Competencies*. John Wiley & Sons.

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

Notes: