



UCD School of  
Nursing, Midwifery  
and Health Systems



# CPD Certificate National Foundation Education Module

**NMHS 32700 National Foundation Module Critical Care Nursing**

**Module overview**

**Module leader: Katie Wedgeworth**

**[Katie.wedgeworth@ucd.ie](mailto:Katie.wedgeworth@ucd.ie)**

**017166447**

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 4<sup>th</sup> (Orientation), Thursday, March 24<sup>th</sup> (Workshop focusing on units 1&3) and Thursday, June 10<sup>th</sup> (MCQ exam & Workshop focusing on units 3-6).

**September Intake:** Thursday, September 9<sup>th</sup> (Orientation), Thursday, October 21<sup>st</sup> (Workshop focusing on units 1&3) and Thursday, January 12<sup>th</sup> (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

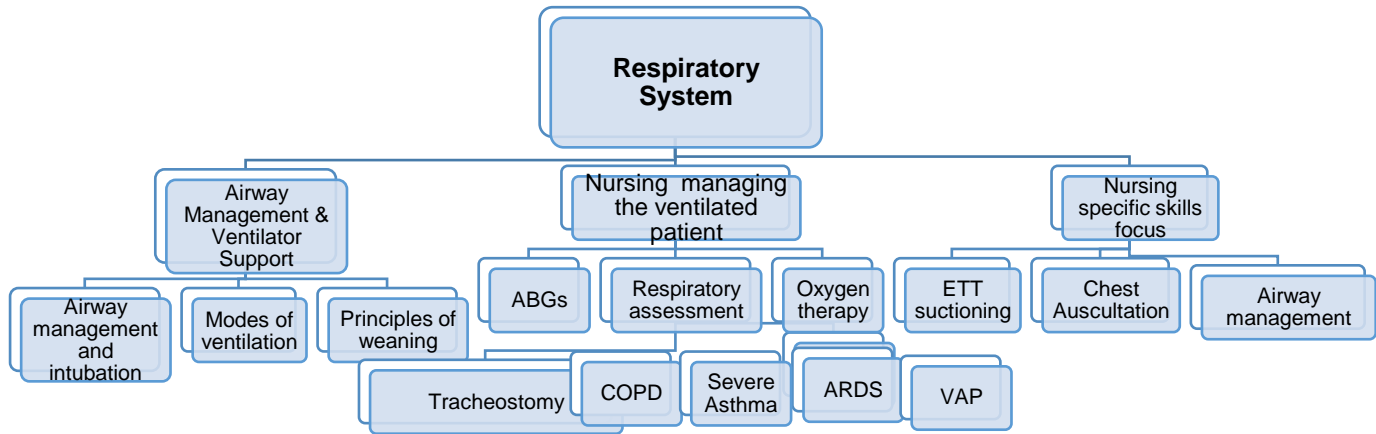
Students will be able to check their understanding with formative clinical case study reviews, formative online quizzes and summative clinical case presentation assignment and MCQ examination.

## **Skill acquisition**

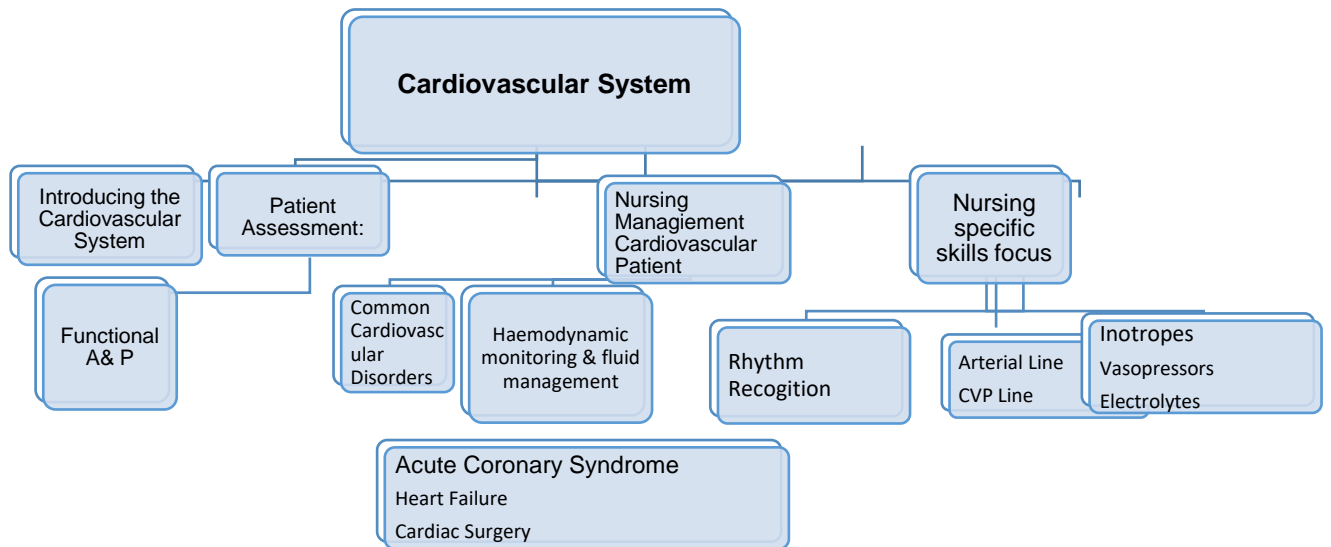
Students will be immersed in clinical practice and supported and assessed by a clinical preceptor and or clinical facilitator for the duration of the module. During this time, students will avail of situational learning opportunities to develop the required technical skills and attitudes to function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

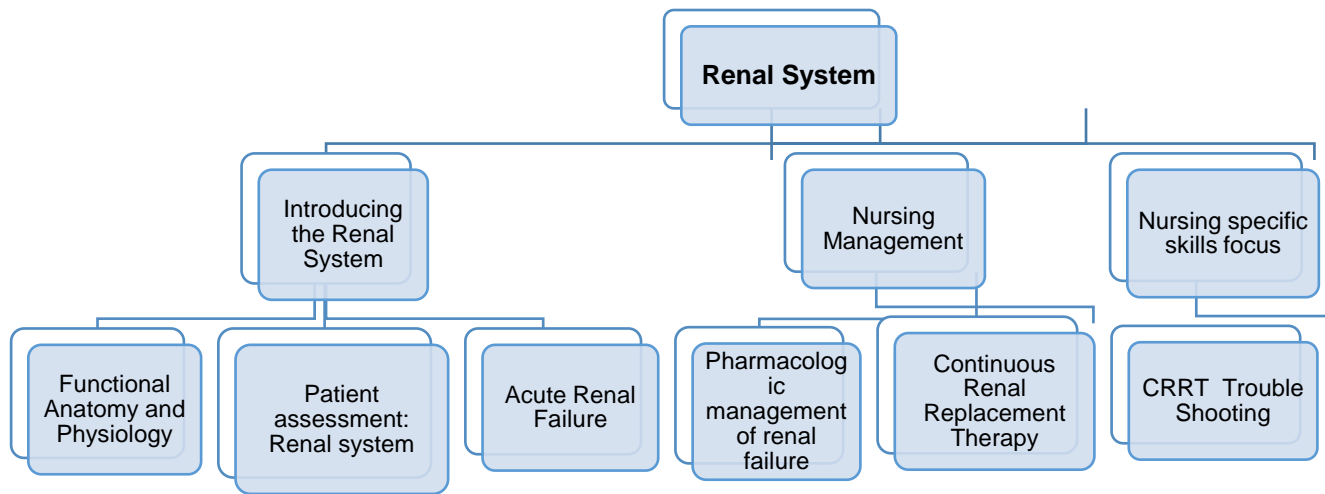


## Unit 2: Care of the patient with altered cardiovascular function

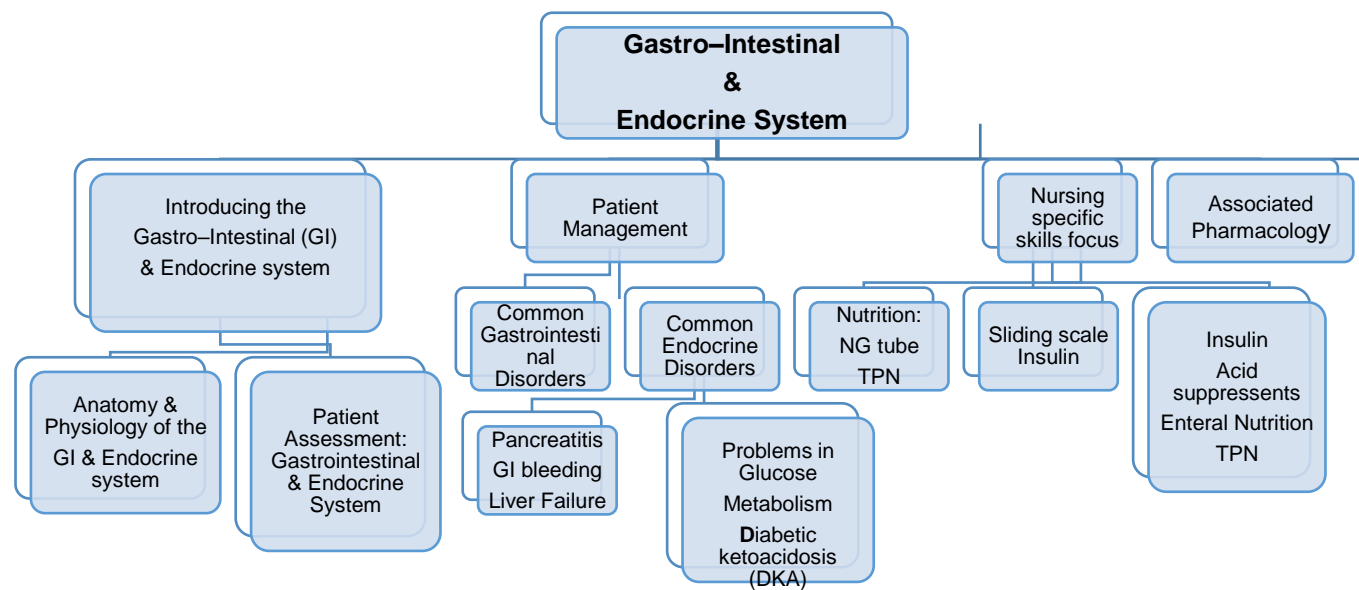


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**UNIT 3: Care of the patient with altered renal function and fluids and electrolyte balance**

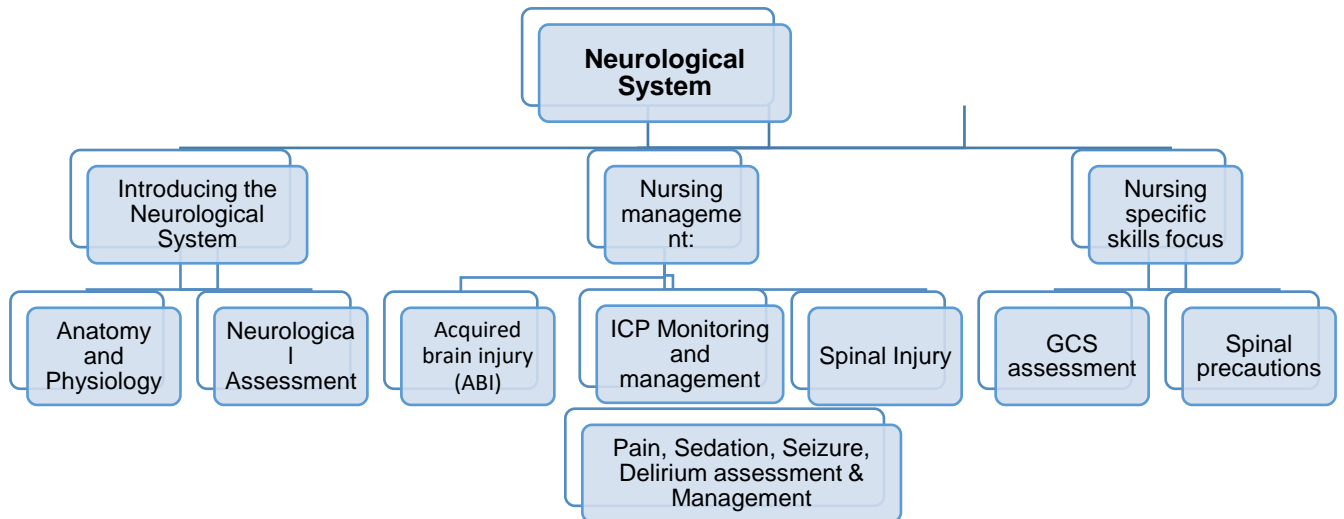


**UNIT 4: Care of the patient with altered gastrointestinal and endocrine function**

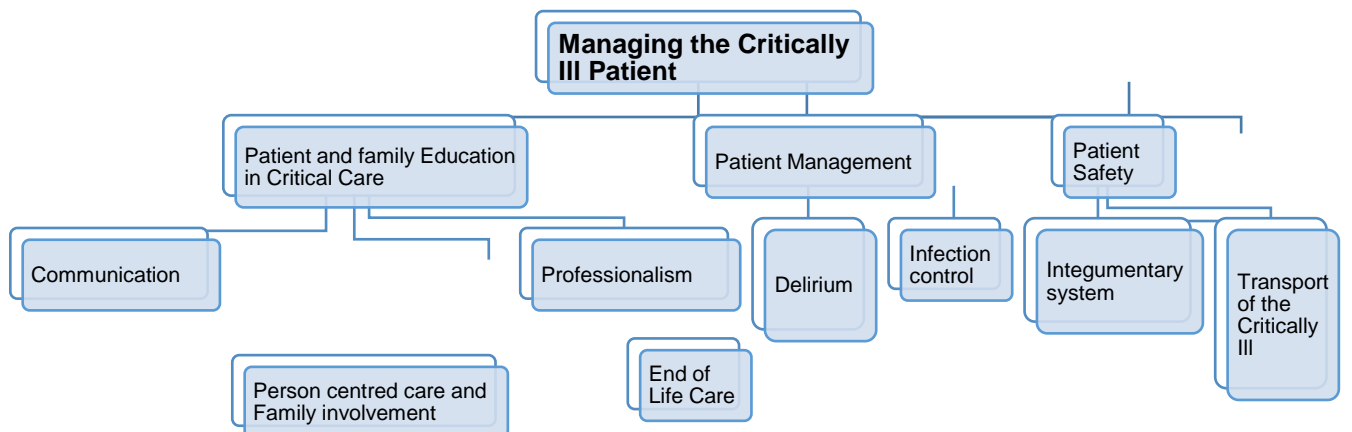


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## UNIT 5: Care of the patient with altered neurological function



## UNIT 6: Managing the Critically Ill Patient



## Module Outline February Intake 2021

<b>NMHS 32700 National Foundation Programme Critical Care Nursing –</b>					
<b>Class</b>	<b>Date</b>	<b>Module Content</b>	<b>Lecture /Workshop</b>	<b>Learning Activity</b>	<b>Assessment</b>
	Thursday Feb. 4 <sup>th</sup>	Online Induction & orientation to online learning.	Online in Brightspace		N/A
1	Feb 8 <sup>th</sup> - Feb 26 <sup>th</sup>	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	Mar 1 <sup>st</sup> - Mar 19 <sup>th</sup>	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 <b>Submit 1<sup>st</sup> reflection</b>
	Thursday, March 25 <sup>th</sup>	<b>Online Workshop</b> Theoretical application (unit 1 & 2) in practice	Online in Brightspace		Formative feedback during Workshop
3	Mar 22 <sup>nd</sup> – April 2 <sup>nd</sup>	Care of the patient with altered renal function	Online in Brightspace	Review online learning resources & complete assigned reading	Self-directed formative MCQ; & case studies
<b>Easter Break: April 5<sup>th</sup> – April 9<sup>th</sup></b>					
4	April 12 <sup>th</sup> – April 23 <sup>rd</sup>	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	April 26 <sup>th</sup> – May 7 <sup>th</sup>	Care of the patient with altered neurological function	Online in Brightspace	Review online learning resources & complete assigned reading	Self-directed formative MCQ; & case studies <b>Summative: submit Case Presentation (April 30<sup>th</sup>)</b>
6	May 10 <sup>th</sup> - May 21 <sup>st</sup>	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 10 <sup>th</sup>	<b>Online MCQ exam &amp; Workshop</b>	Online in Brightspace		<b>Summative MCQ examination</b>
<b>MCQ Final Assessment will take place on Thursday, June 10<sup>th</sup>, 2021</b>					
	June 14 <sup>th</sup> – Aug 13 <sup>th</sup> <sup>h</sup>	Nine weeks of clinical learning consolidation and completion of competency attainment record	<b>In practice and online in Brightspace</b>	Reflective exercise	Formative <b>Submit 2<sup>nd</sup> reflection</b>
<b>Submission of Clinical Competency Attainment Document is due on August 13<sup>th</sup> 2021</b>					
<b>Subject to change</b>					

## Module Outline September Intake 2021

<b>NMHS 32700 National Foundation Programme Critical Care Nursing –</b>					
<b>Class</b>	<b>Date</b>	<b>Module Content</b>	<b>Lecture /Workshop</b>	<b>Learning Activity</b>	<b>Assessment</b>
	Thursday Sept.9 <sup>th</sup>	Online Induction & orientation to online learning.	Online in Brightspace		N/A
1	Sept 13th – Oct. 1st.	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. 4th – Oct. 22nd	Care of the patient with altered cardiovascular function	Online in Brightspace	Review online learning resources & complete assigned reading	Self-directed formative MCQ; & case studies <b>Submit 1<sup>st</sup> reflection</b>
	Thursday Oct.21 <sup>st</sup>	<b>Online Workshop</b> Theoretical application (unit 1 & 2) in practice	Online in Brightspace		Formative feedback during Workshop
3	Oct.26th – Nov. 5th	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. 8th - Nov. 19th	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 <b>Summative: submit Case Presentation (Nov 26<sup>th</sup>)</b>
5	Nov. 22nd – Dec. 3rd	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 6th – Dec. 17th.	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 <sup>th</sup>	<b>Online MCQ exam &amp; Workshop</b>	Online in Brightspace		Summative MCQ examination
<b>MCQ Final Assessment will take place on Thursday, January 12<sup>th</sup>, 2022</b>					
	Jan. 17th – March 18th	Nine weeks of clinical learning consolidation and completion of competency attainment record	<b><i>In practice and online in Brightspace</i></b>	Reflective exercise	Formative <b>Submit 2<sup>nd</sup> reflection</b>
<b>Submission of Clinical Competency Attainment Document is due on March 18<sup>th</sup>, 2022</b>					



**Required reading:**



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:**