Ministry of Higher Education and Scientific Research
Scientific Supervision and Scientific Evaluation Apparatus
Directorate of Quality Assurance and Academic Accreditation
Accreditation Department

Academic Program and Course Description Guide

Course Description Form

1. Course Name:
Critical Care Nursing
2. Course Code:
3. Semester / Year:
Semester
4. Description Preparation Date:
11/3/2024
5. Available Attendance Forms:
Full Attendance
6. Number of Credit Hours (Total) / Number of Units (Total)
30 hours in theory + 90 hours in practice
7. Course administrator's name (mention all, if more than one name)
Name: Dr. Wael Lazim
8. Course Objectives
• Understand the impact of critical illnesses on the patient and their families. • Describe the impact of the critical care environment on the patient. • Discuss current monitoring techniques used in critical care facilities. • Training on the use of all types of intravenous nutrients through practical training • Utilize knowledge from the humanities and sciences in planning care for critically ill adults. • A- Cognitive objectives • Definitions of intensive care nursing • Understand the role of nurses in intensive care • Evaluating critically ill patients • Planning nursing work for critically ill patients • Definition of critical situations and how to contain them • B - The skills objectives of the course • Nursing diagnosis • Nursing care for critically ill patients • Training in the cardiorespiratory resuscitation program • Training on administering intravenous fluids in critical care units

9. Teaching and Learning Strategies
Education strategy collaborative concept planning. Teaching strategy brainstorming. Education strategy notes series
10. Learning method
Blackboard, PowerPoint, statistics assignments, searching the Internet, reviewing lesson sources
11. Evaluation method
Daily and monthly exams and the end-of-semester exam.
12. Course Structure

Week	Theoretical Hours	Practical Hours	Unit or subject name
1.	2 hours	6 hours	**Introduction to Critical Care Nursing** • Critical Care Nursing Roles • Classification of critically ill patients • Characteristics of Critical Care Units
2.	2 hours	6 hours	**Shock** • Classification of Shock • Stages of Shock • Clinical Alert of Shock • Medical Management Nursing Management
3.	2 hours	6 hours	**Sepsis** • Severe Sepsis and Septic Shock • Sepsis Management Bundle Multisystem Organ Dysfunction Syndrome
4.	2 hours	6 hours	**Acute Renal Failure/Acute Kidney Injury** Anatomy and Physiology Review Acute Renal Failure/Acute Kidney Injury Causes of ARF Categories of Acute Renal Failure
5.	2 hours	6 hours	Phases of Acute Renal Failure Diagnosis of ARF Medical Management of Acute Kidney Injury Nursing Management of Acute Kidney Injury
6.	2 hours	6 hours	**Cerebral Vascular Accident** • Stroke Classification • Ischemic strokes ○ Risk factors for transient ischaemic attack/stroke

			○ Diagnostic Criteria ○ Early Management • Haemorrhagic stroke ○ Types of hemorrhagic strokes: ICH and SAH ○ Causes and Risk factors ○ Clinical Presentation of Intracerebral Hemorrhage ○ Diagnosis of Haemorrhagic stroke Medical and nursing management
7.	2 hours	6 hours	**Management of Unconscious patient** • Causes of Loss of Consciousness • Assessment of unconscious patient • Medical Management of unconscious patient Nursing Management of unconscious patient
8.	2 hours	6 hours	**Burns** • Stages and Degree • Types A. Inhalation Burn B. Electrical Burns C. Radiation Burns Chemical Burns
9.	2 hours	6 hours	• Primary and secondary survey guidelines (assessment and management guidelines) Healing process
10.	2 hours	6 hours	**Acute Respiratory Disorders** • Pulmonary Embolism • Pleural Effusion • Hemothorax Pneumothorax
11.	2 hours	6 hours	**ABGs Interpretations** • Respiratory • Acidosis & Alkalosis • Metabolic • Acidosis & Alkalosis Nursing Management
12.	2 hours	6 hours	**Review of Conduction System** • Basics of ECG Interpretation (ECG waves) • Normal sinus Rhythm

			• Heart rate measurement methods • Proper ECG placement • Cardiac axis • Dysrhythmia: • Shockable • VF & Pulseless VT • Non-Shockable Asystole & PEA
13.	2 hours	6 hours	**Basic Life support** Advance Life support
14.	2 hours	6 hours	**Hemodynamic monitoring**

15. Course Evaluation

The distribution is as follows: 30 marks for the monthly and daily exams, 70 marks for the final exam.

16. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Pocket Guide TM, Emergency & critical care, ACLS version, eight edition, 2017
Main references (sources)	
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	