Course Specification
— (Bachelor)

Course Title:	Adult Intensive Nursing Care
Course Code:	NRS 476
Program:	Bachelor of Nursing
Department:	College of Nursing
College:	College of Nursing
Institution:	Majmaah University
Version:	V4
Last Revision Date:	June 2023

Table of Contents

A. General information about the course:

1. Course Identification

1. Credit hours: (3 (2+1+0))

2. Course type

A.	☐University	☐College	☒ Department	☐Track	☐Others
B.	☒ Required			☐Elective	

3. Level/year at which this course is offered: (7ᵗʰ level, 4ᵗʰ year)

4. Course general Description:

4. Course general Description

This course focuses on pathophysiological and psychological responses of clients experiencing critical health disruptions. Concepts from pathophysiology, nursing science, pharmacology, and medical technology are integrated as a theoretical base for practicing critical care nursing and managing critical health disruptions. Approaches of analytical thinking, decision-making, homodynamic monitoring, patients' education, analysis of research results, and nursing process are used to build a system to identify physiological, psychosocial, and spiritual responses to critical health disruptions to deliver appropriate nursing care.

5. Pre-requirements for this course (if any):

NRS 351

6. Pre-requirements for this course (if any):

NA

7. Course Main Objective(s):

To provide comprehensive nursing care for the critically ill patients with different acute, life-threatening conditions, and their families.

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	30	50%
2	E-learning		
3	Hybrid • Traditional classroom • E-learning		
4	Distance learning		
5	Other	30	50%

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	30
2.	Laboratory/Studio	30
3.	Field	
4.	Tutorial	
5.	Others (specify)	
Total		60

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	**Knowledge and understanding**			
K2.1	Outline the etiology, pathophysiology, clinical manifestations, diagnostic tests, and various modalities of treatment for variety acute medical & surgical conditions that affect cardiovascular, respiratory, urinary, neurological, and Endocrine systems. KPI42	K2	Lecture	Midterm and Final Examinations
2.0	**Skills**			
S2.1	Utilize the nursing process as a framework to formulate nursing care plans designed to meet clients' specific needs. KPI01	S2	Lecture	Midterm and Final Examinations
3.0	**Values, autonomy, and responsibility**			
V1.1	Utilize various learning resources in providing comprehensive nursing care for adults with multiple and complex medical-surgical problems in all critical units. KPI09	V1	Assignments, Collaborative Learning	Professionalism, Assignment
V2.1	Perform all nursing competencies skillfully using advanced patient-support technology to all patient groups. KPI44	V2	Lab Demonstration	Lab and Final practical Examinations

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
V3.1	Assist the multidisciplinary team in providing advanced medical interventions to special patients group KPI46	V3	Lab Demonstration	Lab and Final practical Examinations

C. Course Content

No	List of Topics	Contact Hours
1.	**UNIT 1: Introduction and Scope of Critical Care Nursing (CCN)** Introduction to CCN, The evolution of CCN: a historical, perspective, Philosophy of CCN, Scope of CCN, Goals of CCN, Standards of CCN, The seven Cs of CCN, The Critical Care Nurse, The Critical Care Environment **LAB:** No Lab components for this unit	4
2.	**UNIT 2: Disorders of the Cardiovascular System Disorders** Review of Anatomy & Physiology Coronary artery diseases, Myocardial infarction, Heart failure, Cardiac dysrhythmias, cardiomyopathy **Lab**: Hemodynamic monitoring, defibrillation, ABG (Arterial blood gases) analysis	10
3.	**UNIT 3: Respiratory System Disorders** Review of Anatomy & Physiology Acute respiratory failure, acute lung injury, pneumonia, pulmonary embolism, status Asthmaticus. **Lab**: Assisting the patient undergoing thoracentesis, Care of the patient with a tracheostomy tube, performing naso- tracheal suction, Performing Endotracheal suction	10
4	**Unit 4: Neurological System Disorders** Review of Anatomy & Physiology Coma, Stroke, Subarachnoid hemorrhage, intra cranial hypertension, status epilepticus, head injury, spinal cord injury **Lab**: Monitoring intracranial pressure and cerebral oxygenation,	14
5	**Unit 5:Endocrinal System Disorders:** Review of Anatomy & Physiology Diabetes Mellitus, Diabetic ketoacidosis, Hyperglycemia, Hyper osmolar state, Diabetes Insipidus, Syndrome of inappropriate secretion of antidiuretic hormone (SIADH) **Lab**: No Lab components for this unit	6
6	**Unit 6: Renal System Disorders:** Review of Anatomy & Physiology Acute kidney injury, chronic renal failure, renal replacement therapy – Dialysis, kidney transplantation **Lab:** No Lab components for this unit.	6
7	**Unit 7: Gastrointestinal System Disorders:** Review of Anatomy & Physiology Acute GI bleeding, acute pancreatitis, acute liver failure, Liver transplantation.	10

Lab: Assisting with percutaneous liver biopsy, Assisting with paracentesis		
Total		60

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Midterm Exam	6th – 8th week	30%
2.	Assignment	4th week	5%
3.	Lab Exam	3rd – 9th week	20%
4	Professionalism and participation	13th week	5%
5	Final Practical exam	11th week	10%
6	Final Theory exam	12th – 13th week	30%
			100%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)·

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	**Jean-Louis V, Frederick A. Moore, Rinaldo B, John J. Marini (2022). Textbook of Critical Care (8th Ed) eBook ISBN: 9780323759304**
Supportive References	• **Journal of critical care nurse** • **American Journal of Nursing**
Electronic Materials	• www.Google.com • www.pubmed.com • www.medline.com • www.books.google.co.in
Other Learning Materials	• **Computer-based programs/CD, professional standards or regulations and software.**

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	• Simulator Lab with 30 seats. Need to have multispecialty hospital set up
Technology equipment (projector, smart board, software)	Audio video facility with interactive whiteboard systems.
Other equipment (depending on the nature of the specialty)	1. Cardiac monitor

Items	Resources
	2. Simulators must be provided exclusively to practice critical care nursing procedures 3. Emergency drug cart

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching and assessment	Students	• Direct assessment: Course Evaluation Survey. • Quality of Exam Survey.
	Faculty	• Indirect assessment: CLO Mapping with teaching & assessment. • Indirect assessment: Course Blueprinting • Grade Analysis • Psychometric Analysis
	Peers	• Grade Verification
Quality of learning resources	Students / Faculty	• Indirect assessment: Academic advising survey • Student experience survey
The extent to which CLOs have been achieved	Faculty member / Quality assurance committee	• Direct assessment outcome analysis • Course report preparation
Quality of learning resources	Program Leaders	Availability of the resources

Assessors (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	DEPARTMENT COUNCIL
REFERENCE NO.	4
DATE	19.09.2023