



Course Specification

(Bachelor)

Course Title: Emergency and Critical Care Nursing

Course Code: 435NUR– 5

Program: Bachelor of Science in Nursing

Department: Nursing Department

College: College of Nursing

Institution: Jazan University

Version: 20251

Last Revision Date: August 2024



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A. General information about the course:

1. Course Identification

1. Credit hours: (6 hours) (3 theory & 3 practical)

2. Course type

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

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

4. Course General Description:

This course aims to equip undergraduate nursing students with knowledge and understanding of emergency and critical care.

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

332NUR-6

6. Co-requisites for this course (if any):

None

7. Course Main Objective(s):

Upon successful completion of NURS 433, the student will be able to:

1. Describe the importance and principles of Emergency Nursing and Critical Care Nursing and apply the nursing process.
2. **Conduct a focused assessment of critically ill patients, especially in emergencies.**
3. **Utilize specific theoretical knowledge related to nursing sciences and medical technology** to understand physical, psychological, social, and emotional responses, etc., to the care of critically ill patients.
4. **Use critical thinking approaches** to provide holistic care for critically ill patients.
5. **Educate the patient and family members about** health promotion, infection control, and disease prevention.
6. **Apply understanding of the etiology/pathophysiology** of the body system, assessment techniques, diagnostic tests, treatment, and common disorders commonly seen in the Critical Care Unit.
7. Use different hemodynamic monitoring equipment in the Intensive Care Unit.
8. **Demonstrate good behavior in performing the** critical care team's responsibilities, reflecting professional and personal development.





9. **Display the ability to perform emergency care and nursing interventions** to ensure patient safety.

10. **Follow hospital policies and strategies in providing quality patient care**, especially in emergencies.

11. **Develop communication skills** to establish good relationships with patients, families, colleagues, and hospital staff.

12. **Apply the principles of quality nursing care needed for critically ill patients** to ensure accuracy and safety.

13. **Accept responsibility, develop leadership ability, and implement legal and ethical considerations for clients with critical health conditions.**

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	(3* 14) + (6*14)	100%
2	E-learning		
3	Hybrid <ul style="list-style-type: none"> Traditional classroom E-learning 		
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	(3* 14)
2.	Laboratory/Studio	(6*14)
3.	Field	
4.	Tutorial	
5.	Others (specify)	
Total		126

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

Code	Course Learning Outcomes	Code of CLOs aligned with the program	Teaching Strategies	Assessment Methods
1.0	Knowledge and understanding			
1.1	Demonstrate scientific knowledge to articulate theories, concepts, principles, and skills for emergency and critical care nursing.	K1	1. Lecture-discussions and didactics 2. Student-Lead Activities.	1. Short Assessment 2. Individual and group requirements. 3- Witten exam.





Code	Course Learning Outcomes	Code of CLOs aligned with the program	Teaching Strategies	Assessment Methods
1.2	Apply emergency and critical care nursing principles and concepts tailored to diverse populations.	K2		
1.3	Explain contemporary critical care nursing practices to promote patient-centered care.	K3		
2.0	Skills			
2.1	Demonstrate commitment to providing safe and evidence-based nursing care in emergencies.	S1	- Demonstration -Return demonstration in lab & hospital.	-Oral interview -observational clinical Checklist. -Assignments (to present recent different topic related to nursing interaction management) -Observational checklist
2.2	Perform essential and advanced critical and emergency care nursing practices skillfully.	S2		
2.3	Integrate technology and information systems skills in emergency care practices effectively.	S3		
2.4	Communicate effectively with patients, their families, colleagues, and other professionals.	S4		
2.5	Solve problems arising in emergency and critical care nursing practices innovatively for effective decision-making.	S5		
3.0	Values, autonomy, and responsibility			
3.1	Demonstrate professional attitudes and responsibilities in emergency and critical care settings.	V1	1. Case analysis 2. Research project development.	-Rubrics are used to assess communication skills in the clinical setting.
3.2	Display teamwork and collaboration with the multidisciplinary team when providing therapeutic interventions.	V2	Use of Audiovisual aids to demonstrate skills/procedures	Case study assignment.



C. Course Content

No	List of Topics	Contact Hours
1.	<ul style="list-style-type: none"> A-Definition and Concept of Emergency Nursing and Critical Care Nursing. B-Legal and ethical issues and professional role related to emergency care and critical care <p>Practical:</p> <ul style="list-style-type: none"> Orientation ICU Setting up. 	3 6
2.	<ul style="list-style-type: none"> C- Strategies and principles of delivering emergency care and critical care. Management and nursing care of patients with Neurologic System Disorders. <p>Practical:</p> <ul style="list-style-type: none"> Core Concepts of Advanced Cardiac Life Support (ACLS) <ul style="list-style-type: none"> a) CPR Adult b) CPR Child c) CPR Infant 	3 6
3.	<ul style="list-style-type: none"> Management and nursing care of patients with Neurologic System Disorders. <p>Practical:</p> <ul style="list-style-type: none"> Glasgow Coma Scale Interpretation. Intracranial Pressure 	3 6
4	<ul style="list-style-type: none"> Management and nursing care of patients with cardiovascular disorders <p>Practical:</p> <ul style="list-style-type: none"> -ECG Monitoring Test, Analysis and Interpretation. -Cardiac Monitoring. <ul style="list-style-type: none"> a. 5 Leads. b. 3 Leads. 	3 6
5.	<ul style="list-style-type: none"> Management and nursing care of patients with cardiovascular Disorders <p>Practical: -</p> <ul style="list-style-type: none"> Pulmonary Artery Pressure. -Intracranial Pressure. 	3 6
6.	<ul style="list-style-type: none"> Management and nursing care of patients with Respiratory Disorders <p>Practical:</p> <p>Clinical Training</p>	3 6



7.	<ul style="list-style-type: none"> Management and nursing care of patients with Respiratory Disorders 	3
	Practical: Clinical Training	6
8.	<ul style="list-style-type: none"> Management and nursing care of patients with Gastrointestinal Disorders 	3
	Practical: Clinical Training	6
9.	<ul style="list-style-type: none"> Management and nursing care of patients with Gastrointestinal Disorders 	3
	Practical: <ul style="list-style-type: none"> ETT Intubation & Extubation. Mechanical ventilation 	6
10.	<ul style="list-style-type: none"> Management and nursing care of patients with Renal Disorders 	3
	Practical: <ul style="list-style-type: none"> Tracheostomy care suctioning 	6
11.	<ul style="list-style-type: none"> Management and Nursing Care of Patients with Endocrine System Disorders. 	3
	Practical: <ul style="list-style-type: none"> Assessment for practical assignment (group discussion and oral presentation) 	6
12.	<ul style="list-style-type: none"> Management and Nursing Care of Patients with Endocrine System Disorders. 	3
	Practical: Clinical Training	6
13.	<ul style="list-style-type: none"> Management and Nursing care of patients with Hematologic and Immune System Disorders. 	3
	Practical: Clinical Training	6
14.	<ul style="list-style-type: none"> Management and nursing care of patients with Multisystem Disorders Roles, Responsibilities, and Developing Leadership Ability in Critical Care Unit 	3
	Practical: Clinical Training	6
Total Contact Hours		126
Total Credit Hours		84

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Student Discipline and Behavior	continuous	5%
2.	Practical Assignment (oral presentation/group project/ essay)	11	5%
3.	Practical Hospital Assessment	6-15	10%
4.	Midterm Theory Exam (written test)	8 or 9	20%
5.	Final Exam (Practical)	17	20%
6.	Final Theory Exam (written test)	18 or 19	40%

*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	<ul style="list-style-type: none"> ▪ Jones, J. & Fix, B. (2019). <i>Critical care notes: Clinical pocket guide</i>. (3rded.). F.A. Davis Company ▪ Lewis, S., Bucher, L., Heitkemper, M.M., Kwong J., Roberts, D. (2016.) <i>Medical–surgical nursing: Assessment and management of clinical problems, single volume</i>. (10thed.). Mosby ▪ Lippincot, Williams & Wilkins. (2015). <i>Critical care nursing is made incredibly easy</i>. (4thed.) Lippincot, William & Wilkins.
Supportive References	<ul style="list-style-type: none"> ▪ Emergency Nurses Association. (2019). <i>Sheehy's emergency nursing: Principles and practice</i>. (7thed.). Mosby ▪ Burns, S.M. & Delgado, S.A. (2018). <i>AACN essentials of critical care nursing</i>. (4thed.). Mc-Graw Hill Education. ▪ Urden, L., Stacy K., Lough, M. (2018). <i>Critical care nursing: Diagnosis and management</i>. (8thed.). Mosby.
Electronic Materials	<p> https://nurseslabs.com/nclex-practice-questions/ https://nurseslabs.com/category/nursing-practice-tests/ https://www.mometrix.com/academy/nclex-rn-practice-test/?nab=0 https://nurse.plus/nclex-practice-questions-physiological-integrity/ https://rnspeak.com/saudi-prometric-exam-questions-for-nurses/ </p>
Other Learning Materials	Other learning materials include computer-based programs/CDs, professional standards or regulations, and software.

Professional standards/regulations of Critical Care Nursing

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Lecture rooms (35 students per semester)
Technology equipment (projector, smart board, software)	- Smart Boards with ICT software and internet connection in the classrooms; audio speakers for voice amplification and audio streaming; and lapel and handheld microphones for teachers and students. - Teaching lab dolls and equipment relevant to nursing procedure included in the course, especially CPR Manikin
Other equipment (depending on the nature of the specialty)	Textbooks and learning resources

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Students	Course Report Students' teaching evaluation questionnaire. Continuing feedback from students during the semester.
Effectiveness of Students assessment	Instructor	Course Report CLO Evaluation survey Continuing feedback from students during the semester.
Quality of learning resources	Quality Assurance Unit	Students Satisfaction Survey Continuing feedback from students during the semester.
The extent to which CLOs have been achieved	Instructor	Course Report CLO Evaluation survey Continuing feedback from students during the semester.
Other		

Assessors (Students, Faculty, Program Leaders, Peer Reviewers, Others (specify))

Assessment Methods (Direct, Indirect)



G. Specification Approval

COUNCIL /COMMITTEE	
REFERENCE NO.	
DATE	

