

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Intensive Care Nursing (Practice)
Course number	NURS4329
Faculty	
Department	
Course type	Major Needs
Course level	4
Credit hours (theoretical)	0
Credit hours (practical)	3
Course Prerequisites	

Course Objectives

- 1 - Integrate a specific theoretical knowledge related to nursing, pathophysiology, pharmacology, and medical technology to understand physiological and psychosocial responses to critical health disruptions.
- 2 - Develop a system to evaluate health status, identify responses to critical health disruptions, and define learning needs of critically ill patients and their families.
- 3 - Integrate knowledge from nursing and other disciplines to formulate nursing intervention strategies for patients experiencing critical health disruptions.
- 4 - Analyze research results and its implication in the area of critical care that relate to current practice.
- 5 - Evaluate the value of collaboration in the care of the critical ill, and those with system specific disorders
- 6 - Reflect on legal and ethical issues related to critical nursing.

Intended Learning Outcomes

Knowledge and Understanding

- * • Recognize the common needs /problems of critically ill patients and their families
- * • Identify the most commonly used nursing diagnosis for critically ill patients
- * • Identify the component and organization of crash \ emergency cart
- * • Recognize all relevant information regarding invasive devices and machines frequently used in critical care units
- * • Recognize causes of machines alarms and methods of troubleshooting it.
- * • Identify action, side effects and the important nursing considerations regarding administration of the most commonly used medications & infusions in critical care units

Intellectual Skills

- * • Demonstrate assessment of the critically ill patient effectively
- * • Write at least one assessment sheet and one critical care nursing record for critically ill patient every week
- * • Write two comprehensive nursing care plan (ICU & CCU) clarifying actual and /or potential
- * • patient health problems.
- * • Assist with collection of or collect laboratory specimens and assist patients undergoing diagnostic procedures
- * • Perform basic and specific nursing skills following the steps of the checklists
- * • Demonstrate cardiopulmonary resuscitation for the different age group (if available)
- * • Insert invasive devices such as oropharyngeal airway ,nasogastric tube ,urinary catheter
- * • Assist physician with insertion of invasive devices such as endotracheal tube & tracheostomy
- * • tube, chest tube, arterial catheter ,central venous catheter.(if available)
- * • Demonstrate the routine care for the different types of invasive devices such as artificial airways
- * • chest tube & underwater seal ,arterial catheter, central venous catheter
- * • Assist with removal or remove invasive devices such as artificial airways, chest tube &
- * • underwater seal ,arterial catheter, central venous catheter, , nasogastric tube, urinary catheter
- * • Perform the different techniques of chest physiotherapy
- * • Administer Inhalation therapy via nebulizer and oxygen therapy via the different methods
- * • Perform tracheal suctioning following aseptic technique.
- * • Obtain arterial blood sample from critically ill patient and interpret their values
- * • Perform 12 lead electrocardiogram and interpret it.
- * • Initiate cardiac monitoring
- * • Monitor and provide routine care for patient on cardiac monitor
- * • Assist the physician with defibrillation (if available)
- * • Administer urgency\ prescribed medication
- * • Measure \ Monitor the central venous pressure
- * • Provide safe holistic individualized nursing care to unconscious patient , patient on mechanical ventilator ,patient with acute coronary syndrome patient undergoing cardiac catheterization , open heart surgery....etc.

Professional Skills	<ul style="list-style-type: none"> * • Communicate effectively with patients, families and health care team * • Communicate effectively with critically ill patients with impaired verbal communication * • Provide relevant health teaching and emotional care to patients and their families * • Record and or report essential data pertinent to patients and nursing intervention
General Skill	<ul style="list-style-type: none"> * • Communication Skills * • Team work skills * • Communicate effectively with patients, their families and other colleagues * • Develop confidence in clinical decision-making in the critical care setting. * • Collaborate in a respectful manner with peers within critical care setting. * • Develop leadership skills. * • Practice within legal and boundaries. * • Develop skills in dealing with information technology * • Provide nursing care for patient undergoing cardiac catheterization (if available) * • Provide comprehensive nursing care for patient with pacemaker (if available) * • Perform nutritional assessment for critically ill patient * • Provide nasogastric tube feeding for critically ill patient * • Administer nasogastric medication for critically ill patient * • Perform gastric lavage for critically ill patient * • Provide parenteral nutrition for critically ill patient * • Perform physiotherapy for the critically ill patient as indicated

Course Contents

1	-	1.	Foundations in care
2	-	2.	The theory Death and dying
3	-	3.	Cardiac monitoring
4	-	4.	Advanced skills
5	-	5.	Cardiac arrest
6	-	6.	Emergencies, modalities, ICU Drugs
7	-	7.	Hemodynamic monitoring
8	-	8.	Cardiogenic shock, CHF,
9	-	9.	Pulmonary edema
10	-	10.	ABGs
11	-	11.	Oxygenation, devices
12	-	12.	Respiratory Failure, exacerbations
13	-	13.	ARDS
14	-	14.	Neurological emergencies
15	-	15.	Complex endocrine emergencies

Teaching and Learning Methods

- 1 - Group discussions & Interactive lectures
- 2 - Quizzes
- 3 - Demonstrations and Return Demonstrations
- 4 - Simulations
- 5 - Hands-on Skills Practice and Performance
- 6 - Computer Assisted Instruction
- 7 - Critical Thinking Exercises
- 8 - Multimedia activities
- 9 - Interactive educational activities
- 10 - Audio visuals

Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
First mid-term exam	4th week	20%
Second mid-term exam	8th week	20%
Attendance and discussion		5%
Homework and project reports		5%
Final exam	16th week	50%

Books and References

Course note	<ul style="list-style-type: none">Sole, M. L., Klein, D. G., & Moseley, M. J. (2013). Introduction to critical care nursing. St. Louis, Mo: Elsevier/Saunders.
Essential books	<ul style="list-style-type: none">Urden, L. D. (2014). Critical care nursing: Diagnosis and management. St. Louis, Mo: Elsevier/MosbyJones, J., & Fix, B. (2015). Critical care notes: Clinical pocket guide.
Recommended books	<ul style="list-style-type: none">Lippincott Williams & Wilkins. (2012). Critical care nursing made incredibly easy!. Philadelphia: Wolters Kluwer Health/Lippincott Williams & Wilkins.