

نموذج رقم (١٢)

جامعة: Mansoura

كلية: Nursing

قسم: Critical and Emergency Care Nursing

توصيف مقرر دراسي

١- بيانات المقرر		
4th level (8th semester)	الفرقة/المستوى:	اسم المقرر: Critical Care Nursing تمريض العناية الحرجة
3 hour lecture	نظري:	الرمز الكودي: NSc 802
3 hour Lab + clinical lab placement	عملي:	التخصص: B.Sc. in Nursing credit hour system

<p>This course is designed to apply and integrate nursing knowledge to provide competent nursing care for increasingly complex critically ill patients and their family members. Provides the opportunity to further develop comprehensive assessment abilities, monitoring skills and clinical decision making and to create partnerships with patients, family members and other members of health care team. Moreover, it further enables them to function as educator, manager and researcher in the field of Critical Care Nursing.</p>	<p>٢- هدف المقرر:</p>
٣- المستهدف من تدريس المقرر :	
<p>A.1 Elicit trends and issues related to critical care nursing A.2 Identify the scope of critical care nursing A.3 Identify physiological response of stress in critically ill patients A.4 Identify sources of stress the critically ill patients exposed to in the critical care settings. A.5 Discuss the nursing management for critically ill patient with sleep deprivation A.6 Identify the psychological needs of critically ill patient A.7 Discuss the physiology of pain A.8 Describe common family needs and family-centered nursing interventions. A.9 Recognize the different methods of communications with critically ill patient A.10 Discuss the legal and ethical issues that arise in the critical care setting. A.11 Describe ethical and legal concerns related to end-of-life care.</p>	<p>أ- المعلومات والمفاهيم:</p>

<p>A.12 Describe the pathophysiology, systemic manifestations, and nursing management oh critically ill patient with some health problems as acute respiratory failure, acute renal failure, fulminate hepatic failure.</p> <p>A.13 Enumerate clinical picture of critically ill patients with malnutrition</p> <p>A.14 Identify indications for initiation of mechanical ventilation.</p> <p>A.15 Identify nursing management of the different neurological alterations</p> <p>A.16 Enumerate nursing measures to improve cerebral perfusion</p> <p>A.17 Discuss the role of nurse regarding patient undergoing cardiac catheterization & cardiac surgery</p> <p>A.18 Discuss nursing management of mechanically ventilated patient</p> <p>A.19 Mention the nursing care of the patient receiving renal replacement therapy in critical care settings</p> <p>A.20 Describe nursing interventions to achieve nutritional goals.</p> <p>A.21 Describe respiratory rehabilitation program for critically ill patients.</p>	
<p>B.1 Integrates the results of health history, physical and laboratory test findings into a meaningful nursing diagnosis for patients with acute respiratory failure.</p> <p>B.2 Plans appropriate course management for patients with neurological alteration, acute respiratory failure, acute renal failure, requiring critical care.</p> <p>B.3 Plans appropriate course management for post operative patients with open heart surgery.</p> <p>B.4 Use nursing process in meeting comprehensive needs of the critically ill patient including emotional and spiritual needs.</p> <p>B.5 Utilizes nursing process in the delivery of health care for patients with communication problems in critical care settings.</p> <p>B.6 Relate complications associated with mechanical ventilation.</p> <p>B.7 Apply theoretical knowledge from nursing and other disciplines to evaluate health status of patients experiencing critical illness</p> <p>B.8 Assist critically ill patients/ family in decision making in life-threatening conditions for critically ill patient including:</p> <ul style="list-style-type: none"> ▪ Performance of specific procedure (e.g. tracheostomy tube) ▪ withdrawal of life support machines (e.g. mechanical ventilator) ▪ Do Not Resuscitate order <p>B.9 Proposes clinical decision utilizes methods which integrate the best research</p>	<p>ب - المهارات الذهنية الخاصة بالمقرر:</p>

<p>evidence with clinical expertise for weaning patients from mechanical ventilation</p>	
<p>C.1 Perform complete general and specific physical examination of critically ill patients (physical, psychosocial and spiritual)</p> <p>C.2 Assess the different physiological parameters of critically ill patients including: Hemodynamic parameters using central venous pressure monitoring, arterial Pressure monitoring Ventilation & perfusion using invasive and non-invasive maneuvers (e.g. capnograph, End tidal CO2 and ABGs) Fluid and electrolyte balance (using intake and output chart, and other laboratory investigation.</p> <p>C.3 Utilize cardiac monitors to identify patient health problems</p> <p>C.4 Utilize ventilator monitors to identify patient respiratory problems</p> <p>C.5 Implement and coordinate nursing care with safety and competent skills.</p> <p>C.6 Demonstrate compliance with the Standards of Professional Performance.</p> <p>C.7 Apply the principles and precautions of patient safety during delivery of nursing care including:</p> <ul style="list-style-type: none"> • invasive procedures (e.g. tracheal suctioning, arterial blood gases withdrawal, venous blood withdrawal) • providing safe environment • medication administration • nutritional therapy • patient restraints • Infection control Procedures for prevention of infection – hand washing, disinfection, Sterilization, and universal precautions. <p>C.8 Assist patients and their family to cope with emotional distress, spiritual, grief and anxiety</p> <p>C.9 Apply the principles of nursing legal aspects in the delivery of all nursing activities for critically ill patients</p> <p>C.10 Demonstrate skills in handling various equipments/ gadgets used for critical care</p> <p>C.11 Demonstrate skills in handling various modes and settings of the mechanical ventilation.</p>	<p>ج- المهارات المهنية الخاصة بالمقرر:</p>

<p>C.12 Perform basic technical procedures according to best evidence- based practice in both simulated and real practice.</p> <p>C.13 Assist in various diagnostic, therapeutic and surgical procedures</p> <p>C.14 Writes complete, precise, accurate, and relevant health assessment records including (Vital signs, intake and out put, CVP, Ventilator settings, Glasgow coma score, and Pain assessment)</p> <p>C.15 Formulate a complete, relevant and accurate plan of high acuity patients in a critical situation (e.g. mechanically ventilated patient, patient with acute renal failure or patients with fulminate hepatic failure)</p> <p>C.16 Uses the common record keeping forms in critical care settings</p> <p>C.17 Documenting discharge plans.</p> <p>C.18 Retrieve documents in a way that ensure information confidentiality</p> <p>C.19 Measures accurately the effect of nursing actions which can be reflected by cardiac monitor, ABG, vital signs or improving of patients' health condition</p> <p>C.20 Write an answerable search question</p> <p>C.21 Draw a conceptual map of a search question</p> <p>C.22 Search the relevant electronic database</p>	
<p>D.1 Appreciate the role of alternative therapies in critical care.</p> <p>D.2 Enhance team work and coordinate activities related to patient care.</p> <p>D.3 Utilize different methods of communications with critically ill patient.</p> <p>D.4 Utilize therapeutic communication with others in using appropriate verbal and nonverbal methods.</p> <p>D.5 Establish professional caring relationships with individuals and families of critically ill patients.</p> <p>D.6 Demonstrate behaviors reflecting professional and personal development</p> <p>D.7 Establish professional relationships with colleagues and members of the interdisciplinary team in the critical care practice setting.</p> <p>D.8 Uses information technology efficiently during problem based learning sessions</p> <p>D.9 Engage in reflective practice and self directed learning to support professional growth and development to fulfill the quality assurance requirement.</p> <p>D.10 Participate in peer education during clinical practice in various critical care settings, skill laboratory and PBL classes.</p>	<p>د - المهارات العامة:</p>

<p>D.11 Determine their own learning needs through application of problem based learning.</p> <p>D.12 Enhance team work and coordinate activities related to patient care in emergency care settings.</p> <p>D.13 Participate in peer education during clinical practice in various critical care settings and in skill laboratory during open lab hours.</p> <p>D.14 Uses information technology efficiently through web site learning</p> <p>D.15 Apply basic principles of health teaching of patient.</p> <p>D.16 Develop a shared vision and common goal for the team</p> <p>D.17 Define member roles and responsibilities</p> <p>D.18 Involve with all team members in assigned activities, meetings and discussion</p> <p>D.19 Acknowledge the effort of other colleagues in the team</p>	
<p>E.1 Demonstrate leadership, knowledge, and accountability by practicing within legal and ethical parameters of nursing practice.</p> <p>E.2 Apply leadership abilities to provide ethical quality care to patients in the critical care practice setting.</p> <p>E.3 Advocate for the critically ill within the health care system.</p> <p>E.4 Integrate patients' bill of rights to daily professional activities</p> <p>E.5 Apply the principles of privacy and information confidentiality in daily professional activities</p> <p>E.6 Appreciate team work & coordinate activities related to patient care in critical care settings.</p> <p>E.7 Establish a professional relationships with colleagues, and members of the interdisciplinary team in critical care settings</p>	
<p><u>Unit I: Fundamental concepts of critical care</u></p> <ul style="list-style-type: none"> ▪ Overview of critical care nursing ▪ Ethical and Legal Issues in critical care Unit <p>Unit II: Respiratory dysfunction</p> <ul style="list-style-type: none"> ▪ Respiratory failure ▪ Mechanical ventilation <p>Unit III: Cardiovascular dysfunction</p> <ul style="list-style-type: none"> ▪ Open heart surgery <p>Unit IV: Neurological dysfunction</p>	<p>٤ - محتوى المقرر:</p>

<p>Unit IV: Renal dysfunction</p> <ul style="list-style-type: none"> ▪ Acute renal failure <p>Unit IV: GIT dysfunction</p> <ul style="list-style-type: none"> ▪ Fulminate hepatic failure <p>Unit V: Critically ill patients' and their families' response to critical care experience</p> <ul style="list-style-type: none"> ▪ Critically ill patients' response to stress ▪ Families' response to critically care experience ▪ Sleep pattern disturbance <p>Unit VI: Pain in critically ill Patient and Its management</p> <p>Unit VII: Nutritional support for critically ill patient</p> <p>Unit VII: Communication with critically ill patient</p>		
	<p>٥- أساليب التعليم والتعلم :</p>	
<p>Not applicable</p>	<p>٦- أساليب التعليم والتعلم للطلاب ذوي القدرات المحدودة :</p>	
<p>٧- تقويم الطلاب:</p>		
<p>1- Semester work:</p> <ul style="list-style-type: none"> a- Assignment report b- Quizzes <p>2- Summative assessment that include:</p> <ul style="list-style-type: none"> a- Written examination b- Practical examination c- oral examination 	<p>أ- الأساليب المستخدمة:</p>	
<p>1- Semester summative assessment</p>	<p>1- Semester summative assessment</p>	<p>ب- التوقيت:</p>
<p>a- Assignment report</p>	<p>a- Assignment report</p>	
<p>c- Quizzes</p>	<p>c- Quizzes</p>	

2- Final Summative assessment	2- Final Summative assessment	
a- Written examination	a- Written examination	
b- Practical examination	b- Practical examination	
c-oral examination	c-oral examination	
1-Semester summative assessment		ج- توزيع الدرجات:
a- Assignment report	180 (30%)	
b- Quizzes	60 (10%)	
2- Final Summative assessment		
a- Written examination	240 (40%)	
b- Practical examination	90 (15 %)	
c- oral examination	30 (5%)	
Total	600 (100%)	
٨- قائمة الكتب الدراسية والمراجع :		
•		أ- مذكرات
•		ب- كتب ملزمة:
• Todd A Swanson, Sandra I Kim, and Marc J Glucksman Underground Clinical Vignettes Step 1: Biochemistry (Paperback - Apr 1 2007)		ج- كتب مقترحه:
• Paul Engel: Pain-Free Biochemistry: An Essential Guide for the Health Sciences.2010		
• A Textbook of Biochemistry with Clinical Correlation's by T.M. Devlin, publis Wiley- Less 2009		
http://wiki.answers.com/Q/What_is_the_significance_of_biochemistry_in_nursing http://science.csustan.edu/stone/2090/042090.htm		د- دوريات علمية أو نشرات .. الخ

Dr: Wada Elshahat Hamed

أستاذ المادة:

Prof. Dr. Amany Mohammed Shebl

رئيس مجلس القسم العلمي: