

University of Jordan
Faculty of Nursing
Clinical Master Program

Course title: Critical Care Nursing (1)

Course number: 0702722

Credit hours: 3 credit hours (2 hours theory & 1 hour clinical)

Semester: 2nd, 2008/2009

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Course description

This course, theory and clinical, provides the student with the advanced knowledge, attitudes and skills needed to provide comprehensive nursing care for patients with critical health conditions. The course focuses on preparing students to assist the patient and his family to adapt to their conditions and achieve the optimal level of care with the minimum disabilities. The nursing process provides a framework in providing nursing care for individuals within altered physiological health patterns. The course helps the student to explore scientific literature and utilize research findings in planning and providing comprehensive nursing care for patients in critical care units.

Objectives of the course and Intending Learning Outcomes (ILOs)

The overall aim of the course is to provide students with advanced knowledge and skills in the area of critical care nursing. In order to fulfill the aim of the course the following ILOs are thought to be of particular importance at this stage of students' study and training.

At the end of the course students would be able to:

A. Knowledge and Understanding

1. Demonstrate in depth knowledge of related science that supports safe and appropriate nursing interventions to the critically ill patient.
2. Describe the various disease processes commonly encountered among critically ill patients.
3. Describe the medical management of different disease states.
4. Execute all clinical nursing procedures in a professional, skillful and artistic manner.

B. Cognitive and Intellectual Skills

1. Utilize up-to-date research findings in the management of critically ill patients as appropriate.

2. Assess, Plan, implement and evaluate the nursing care of the critically ill patient and their family.
3. Demonstrate advanced skill in identifying, retrieving, reading and appraising literature related to critical care.

C. Subject specific Skills

1. Utilize the nursing process as framework for managing the care of the critically ill patient.
2. Lead and participate in class presentations, clinical seminars sessions, and case study discussions.
3. Demonstrate critical thinking abilities during theory class discussions and during clinical practice.

D. Transferable Skills

1. Demonstrate effective and appropriate decision-making abilities during clinical practice.
2. Demonstrate the ability and willingness to work as a professional role model for fellow nurses in the intensive care unit.
3. Disseminate current advances in the nursing management of critically ill patient among nurses and other members of the health team.

Learning and teaching strategies.

The course is designed for post-graduate nursing students. It is assumed that the participants are self-motivated and mature learners who would be self-directed for most part of the course. Critical thinking should form the umbrella under which all course activities would fall. However the following methods will be utilized during the course to enhance the learning experience of the participants:

- *Group discussions.*
- *Selected self readings*
- *Written assignments*
- *Student’s presentations*
- *Occasional lectures (local & guest speakers)*
- *Use of electronic resources (Internet & databases)*

Evaluation Methods

Final written exam	40%
Midterm exam	20%
Oral Presentation	10%
Weekly literature assignment*	10%
Weekly clinical objectives	10%
Clinical evaluation	10%
Total	100%

**Please refer to separate sheets for more details.*

Textbook and recommended readings

Textbook

- ✚ Urden L, Stacy K, and Lough M (2006) Thelan's Critical care nursing: diagnosis and management (5th Ed.). St. Louis, Mosby.

Other References

- 📖 Alspach, J. (2008) Core curriculum for critical care nursing. (6th ed.) Saunders/Elsevier: St. Louis, MO
- 📖 Morton et al (2005) Critical care nursing: a holistic approach. Lippincott: Philadelphia, PA
- 📖 Morton, P. (2005). Critical care nursing: a holistic approach. Lippincott: Philadelphia, PA
- 📖 Jones, S et al (1998) The really useful book on intensive care. Martin Lister publishing: Carnforth, UK
- 📖 Urden, L. and Stacy, K. (2002). Priorities in critical care nursing. Mosby: St Louis, MO

However students are expected to refer to the most recent texts and Journals in the area of critical care. In addition students have to refer to specialized web sites on the Internet. Moreover, almost all critical care and related Journals have their own sites on the Internet. Some of these Journals will require payment to view full text articles however most of them will give access to the abstract. Also there are many web-based databases that allow free access to literature search and literature citations. Among those databases and the most commonly used by nurses are the CINAHL and the Medline. The University of Jordan is subscribing to full-text service that can be accessed through all PCs that are connected to the University's server and Network. The site to access this service is: <http://e-library/>. More sites will be given to you via your e-mail as the course advances.

Clinical Placement

Clinical practice hours are 8 per week (1 credit hour). Students are expected to work morning (A shift) and start at the time of the nursing report depending on the institution that they work in. Students are expected to take full responsibilities for their patients' care and to work in the capacity of a registered nurse. Students should utilize up-to-date knowledge and assume total patient's care abilities that are guided by critical thinking, autonomy and patient's advocacy.

The preceptors at the clinical will be actively involved in training, supervising and evaluating the students' clinical experience. During each day of their clinical experience students are expected to prepare clinical objectives and learning outcome sheet (see attached sheet). It should include:

- 1- Name of student and date
- 2- Name and address of clinical area.
- 3- Objectives for the week, which should reflect the theory content and the required level of skill achievement (see competencies list)

- 4- Achieved learning outcome.
- 5- Self Evaluation of outcomes and the whole clinical day.
- 6- Student's reflections on that day and any feelings or thoughts he or she would like to share with the coordinator or colleagues.
- 7- All learning activities for the day whether planned or unplanned.
- 8- Signature of the student and the nurse in-charge at the unit or preceptor if present.
- 9- Submitted to the faculty supervisor at the end of the clinical day.

Attendance

Attendance of both theory and clinical part of the courses is mandatory. The student must complete the required clinical hours for the course to satisfactorily meet the course objectives. The university's regulations regarding students' attendance should be strictly followed and it is the student's responsibility to inform the course coordinator of any absence or delay. Students are required to do (13) clinical days over one or two rotations in coordination with preceptor and faculty supervisor. No any clinical days of absence will be allowed. (clinical period from 22 Feb. to 21 May, 2009).

- 1) Carefully plan your clinical hours with your clinical coordinator to avoid conflicts.
- 2) It is the student's responsibility to contact the clinical coordinator for any absences. Each absence on clinical should be compensated within 1 week unless special circumstances approved by the course faculty.

Important note

Communication with students regarding matters concerning the course will be through either e-mail or MSc. advertisement board located in the 2nd floor of the faculty building. However, most of the times announcements will be sent through e-mails only. It is the student's responsibility to make sure that he/she has a valid e-mail address (checked frequently) and that the course coordinator and faculty supervisor have this e-mail. This can be easily achieved by sending an e-mail message to waddahd@hotmail.com or w.demeh@ju.edu.jo stating your name and that you are in the critical care 1 course.

Content Outline*

Week	Unit	Topic	Presenter
First 10-12/2/2009	Introduction	Overview of the course and introduction to critical care nursing.	
Second 17-19/2/2009	Cardiovascular Alterations	Cardiovascular assessment & Diagnostic procedures including Lab tests	
Third 24-26/2/2009	Cardiovascular Alterations	Principles of Hemodynamic	
Fourth 3-5/3/2009	Cardiovascular Alterations	ECG: the basics & Introduction to arrhythmias	
Fifth 10-12/3/2009	Cardiovascular Alterations	Cardiovascular Disorders: CAD (ACS & MI)	
Sixth 17-19/3/2009	Cardiovascular Alterations	Cardiovascular Disorders: HF, CMypopathy, Pulm. HTN, VHD	
Seventh 24-26/3/2009	Cardiovascular Alterations	Cardiovascular Therapeutic Management	
Eighth 31/3-2/4/2009	Pulmonary Alterations	Pulmonary Assessment and Diagnostics	
Ninth 7-9/4/2009	Pulmonary Alterations	Pulmonary Disorders	
Tenth 14-16/4/2009	Pulmonary Alterations	Pulmonary Therapeutic Management	
Eleventh 21-23/4/2009	Nutrition alteration	Nutrition alteration and Management	
Twelfth 28-30/4/2009	Neurological Alterations	Neurological Assessment & Diagnostics	
Thirteen 5-7/5/2009	Neurological Alterations	Neurological Disorders & Therapeutics including management of ICP monitoring	
Fourteen 12-14/5/2009	Sleep alterations, Pain and agitation	Sleep alterations and management Pain and pain management Agitation and sedation management	
Fifteen 19-21/5/2009	Psychosocial alterations	Psychosocial alterations and management	
Sixteen	Final Exam	TBA	

* Midterm Exam will be within the eighth or ninth weeks, you will be notified later

* Please refer to the textbook for detailed content of each unit.

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Guidelines for the weekly literature assignment

Every student is expected to submit one annotated bibliography notes each week during the course (should be 5-years old or less). Annotated bibliography “is one in which each of the references is accompanied by a critical or explanatory review for the reference”. The selected article should reflect the topic of the week and should be chosen from the nursing and medical journals that are published within the last five years. The article could be either research based or literature based. The review should reflect the student’s ability to read, understand, summarize and critically appraise published literature. The review should be typed and should be stabled to the article. However, the summery should contain full reference of the article (APA format) written on the top of the page. The written review should be no more than 200 words. Both, the article and student’s review should be submitted to the course coordinator weekly at the time of the theory class.

Each annotated bibliography will be marked out of ten (10). Failure to submit on time will be marked as Zero out of ten (0/10), and the accumulative marks of all submitted papers will account for 10% of the total mark for the course.

*Example of annotated literature card

Student’s Name	Date: Feb. 12, 2008
Alasad, J. (2002). Managing technology in the critical care unit: the nurses experience. <i>Journal of International Nursing Studies</i> , 39 (4), 407-413.	
This study investigates the experiences of a group of critical care nurses regarding the use of technology in the intensive care unit. The study is grounded in the phenomenological hermeneutics of Martin Heidegger and argues that this methodology is compatible with the humanistic values of nursing. Data were generated from in-depth interviews and overt participant observation and analyzed qualitatively. The ability to manage the technology emerged as a main component of being a critical care nurse. It is revealed also that the nurses’ ability to manage the technology is gained mainly through experience. The effect of machinery management on patient care is seen as part of everyday routine in the critical care setting. Moreover, technical activities are seen as more important and stimulating than other nursing activities. The study highlights an important issue in the practice of critical care as it give nurses insight on their everyday practice, and calls on them to be more reflective in what they do.	
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Critical Care Nursing (1)
Weekly Clinical Objectives

Student's Name: -----

Day and Date: -----

Name of Clinical Area: -----

Objectives for the week:

**Learning activities for the clinical day
(planned or unplanned)**

**Evaluation of outcome and the whole
clinical day, including reflecting
remarks and/or comments, and
recommendations**

Student's signature:

Preceptor's signature