

Applied Science Private University
Faculty of Nursing
Course Syllabus
Semester 2008 /2009

Course Title : **Advanced Nursing**
Course Number: **1003309**
Credit Hours : **Two hours**
Providing Department : **Clinical Nursing Department**
Faculty: *Dr. Waddah Demeh*
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- **Course Description :**

This course will provide forth year students with (a) Theoretical concepts related to critically ill patients and their families. (b) Theory and practice for basic & advanced cardio-pulmonary resuscitation.

Course will focus on introducing students to management of individuals and families with complex health care needs. An emphasis is placed on providing a strong theoretical foundation for the student to be able to apply critical thinking skills to clinical decision making. The management of life threatening illnesses or injuries is related to cardiovascular, respiratory, neurological and gastrointestinal systems. The psychosocial needs of the critically ill patients and their families will also be considered and students will be taught the importance of assisting dying patients to a human and dignified death and providing support to their families.

- **Learning out comes :**

Upon completion of the course, this module should lead to the following learning out comes:

A. Knowledge & understand (students should)

1. Restructure concepts of basic adult-health nursing to advanced care by appropriate prioritizing and decision making.
2. Utilize research findings in determining nursing actions in practice.
3. Apply basic cardiopulmonary resuscitation.
4. Develop leaning/teaching activities to meet unique needs of a patient experiencing either a critical and/or end organ health problem.

B. Intellectual Skills

5. Apply the concepts basic to the nursing process in clinical decision making as related to complex patient care.
6. Evaluate the concepts basic to the nursing process in clinical decision making as related to complex patient care.

C. Subject Specific Skills

7. Incorporate professional values and caring into nursing roles and behavior patterns. 8. Evaluate the application of the concept of caring within nursing practice.

D. Transferable Skills

Culture:

9. Apply psycho-socio-cultural knowledge to the assessment of and planning with patient, family, or community experiencing either critical and or end organ health problems. 10. Describe the nurses' role in meeting psychosocial needs of the critically ill patients and their families.

11. Understand the impact of the sensory technical environment on the critically ill patient.

Communication:

12. Develop therapeutic communication techniques appropriate to enhance the health status of a patient or family experiencing either an acute or a chronic health problem. 13. Utilize communication skills in presenting an oral patient management critique. **Health:**

14. Examine the health status of a patient and family experiencing either an acute or chronic health problem through a case study approach.

Environment:

15. Synthesize information from environmental factors influencing a patient's response to the delivery of nursing care. 16. Understand the importance of universal precautions and hand washing in intensive care.

17. Gain awareness about occupational hazards

*** Textbook**

Thelan's Critical Care Nursing: Diagnosis and Management, 5th edition, 2006-2008.

*** References**

- Judith McCann (2003). Nursing Procedures & Protocols. Lippincott Williams & Wilkins. Philadelphia.

- Judith McCann (2003). Best Practices: A Guide to Excellence in Nursing Care. Lippincott Williams & Wilkins. Philadelphia.

- Mary Sole, M. Lamborn, and J. Hartshorn(2001) Introduction to Critical Care Nursing. 3rd ed. W.B. Saunders Company.U.S.A.

- Smeltzer S., Bare B., & Boyer M.(2000). Textbook of Medical-Surgical Nursing. Lippincott. Philadelphia.

*** Journal Articles**

- **American Heart Association.**

- **American Journal of Critical Care**

- **The American Association of Critical-Care Nurses (AACCN)**

- **Critical Care Nurse Journal**

*** Always refers to the database available in your university**

* Course Outline This course is composed of 8 units, as follows:	
Unit 1.	<i>Foundations of critical care nursing</i> - Holistic critical caring - Critical care nursing value - Ethical principles - Pain management - End of life issue
Unit 3.	<i>Cardiovascular alteration</i> - Anatomy of the heart - Cardiac electrical activity - Cardiovascular disorder - Coronary artery disease - Myocardial infarction - Heart failure. - Common arrhythmias - Cardiovascular management - Pace maker - Cardiac surgeries - BLS training
Unit 4.	<i>Pulmonary alteration</i> - Air way anatomy - Ventilation/perfusion - Arterial blood gases interpretation - Acute respiratory failure - Pulmonary embolism - Invasive mechanical ventilation - Noninvasive mechanical ventilation
Unit 5.	<i>Neurologic alteration</i> - Divisions of the nervous system - Diagnostic procedures - Coma - Stroke - Craniotomy
Unit 6.	<i>Renal alteration</i> - Anatomy and physiology overview - Laboratory assessment - Acute vs chronic renal failure - Renal replacement therapy-dialysis
Unit 7.	<i>Gastrointestinal alterations</i> - Gastrointestinal anatomy-overview - Diagnostic studies - Hepatic failure - Therapeutic management
Unit 8.	<i>Endocrine alteration</i> - Anatomy and physiology overview - DKA -HHNDM

Unit 9.	Multisystem alteration <ul style="list-style-type: none"> • Shock • Hypovolemic • Cardiogenic • Anaphylactic • Neurogenic • Septic • Burns
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Course Calendar : week	subject
1	Orientation to the course / Holistic nursing practice
1	Cardiovascular alterations
2	Cardiovascular alterations
2	Cardiovascular alteration
3	Cardiovascular alteration
3	Pulmonary alterations
4	Pulmonary alterations
4	Pulmonary alteration
5	Neurologic alteration
5	Neurologic alteration
6	Gastrointestinal alteration
7	Endocrine alteration
8	Multisystem alteration
8	Multisystem alteration
9	Revision