

Note: This syllabus is subject to change during the semester. Please check this syllabus on a regular basis for any updates.

Course Syllabus

Department : Associate Degree Nursing
Course Title : Adv Concepts of Adult Health
Section Name : RNSG_2331_99
Start Date : 01/17/2011
End Date : 05/12/2011
Modality : WEB-ENHANCED

Credits : 3 HOURS (2 LECTURE/3 LAB)

CERTIFICATION AGENCY: TEXAS BOARD OF NURSING (BON)

Instructor Information

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Course Description

COURSE DESCRIPTION: Application of advanced concepts and skills for the development of the professional nurse's roles in complex nursing situations with adult clients/families with complex health needs involving multiple body systems in intermediate and critical care settings. Emphasis will be placed on the knowledge, judgment, skills, and professional nursing values within a legal/ethical framework.

Prerequisites/Corequisites

PRE-REQUISITES: RNSG 2201; RNSG 2208; RNSG 2260; RNSG 2261

CO-REQUISITES: RNSG 2262; PHED 1100; HUMANITIES REQUIREMENT

COURSE PLACEMENT: FOURTH SEMESTER OF NURSING PROGRAM

Scans

1,3,4,5,6,8,9,10,11

Course Objectives

COURSE OBJECTIVES: Course objectives utilize the framework of Differentiated Entry Level Competencies of Graduates of Texas Nursing Programs. On completion of this course, students will be able to: (PO= corresponding program outcome)

As Provider of Care:

1. Analyze health care deviations in the client experiencing complex alterations in multisystem functioning. (PO 1,7).
2. Correlate the physiological effects of aging with the gerontological client's ability to recuperate from complex health needs involving multiple body systems (PO 4, 7).
3. Integrate elements of the nursing process with clients experiencing complex health needs involving multiple body systems. (PO 1, 2, 3, 5).
4. Utilize decision making skills, research-based findings, psychosocial, and cultural knowledge in planning and communicating care for clients with complex health needs involving multiple body systems (PO 3, 7).
5. Integrate knowledge of cognitive, psychomotor and affective skills essential for providing therapeutic nursing interventions to clients with complex health needs involving multiple body systems (PO 3, 6, 7).

6. Appraise the legal and professional implications that relate to the care of clients with complex health care needs involving multiple body systems (PO 3).
7. Analyze physiological actions, side effects, rationale, nursing implications, and pharmacological agents utilized in the care of clients with complex health needs involving multiple body systems (PO 3, 5, 9).

As Coordinator of Care:

8. Compose teaching/discharge plans relevant to health promotion/disease prevention for clients and their families to facilitate adaptation to complex health needs involving multiple body systems (PO 4, 10).
9. Examine economic and political issues impacting care of clients with complex health needs involving multiple body systems (PO 3, 7, 9).
10. Assemble a variety of community resources that assist adult clients with complex health needs involving multiple body systems to achieve an optimal level of health or to prepare terminal clients for death (PO 8, 9, 10).

As Member of a Profession:

11. Examine professional attributes of caring that assist the client to adapt to complex health alterations within the critical care environment (PO 12, 13, 14).
12. Justify situations which would necessitate advocacy for the client within the critical care environment. (PO 13).

LEARNING OUTCOMES: Utilize critical thinking skills and a systematic problem-solving process as a framework for providing care for adult clients with complex health care needs involving multiple body systems in intermediate and critical care settings; and analyze the roles of the professional nurse in the provision of care for adult clients and families.

Required Readings/Materials

a) You must purchase the following *required* readings/materials:

TEXTBOOKS: The following textbooks and references are required:

- Deglin, J.& Vallerand, A. (2009). *Davis Drug Guide for Nurses* (11th Ed.).
Davis: Philadelphia ISBN: 978-0-8036-1911-1
- Pagana, K.D & Pagana, T.J. (2006) *Mosbys Manual of Diagnostic & Laboratory Test*
(2nd Ed). Mosby: St Louis
- Smeltzer, Suzanne C. & Bare, Brenda G. (2008) *Brunner & Suddarth's Textbook of Medical Surgical Nursing* (11th Ed.) Lippincott, Williams & Wilkins: Philadelphia ISBN: 978-0-7817-5978-6

Computer/ Internet: <http://blackboard.odessa.edu/>

SUPPLIES REQUIRED:

Scantron answer sheets, Form No. F-288-PAR-L (initially because it has the enrollment information) or F-289-PAR-L

b) You are encouraged to buy the following *optional* books/materials

none

Course Requirements (Lectures, Assignments and Assessments)

TEACHING/LEARNING METHODS:

The following methods may be incorporated into RNSG 2331: Technological instructional modalities including Smart Board to incorporate various media presentations, advanced level case studies emphasizing clinical decision making; group activities, and guest speaker The laboratory component provides students an opportunity to explore critical thinking in advanced medical/surgical situations.



Topic/Overview: Summary of Assignments & Activities

Item(Name)	Type	Description	Due
Unit I - Cardio-vascular	Read Chapter 26-31 Smeltzer - Lecture/Discussion/Group Activities - Quizzes and Exam	Cardiac diseases and dysfunction; ECG interpretation and hemodynamic monitoring; and Cardiovascular surgery	See Course Calendar at end of assignments and objectives.
Unit II	Smeltzer Read Chapter 6 - Stressors , pages 334-338 acid-base, chapter 23 begin on page 655, chapter 25 begin on page 735. Lecture/Discussion/Group Activities - Quizzes and Exam	Critical care stressors; Physiological stress; Acid/base balance (review), Shock, (review); Respiratory diseases; Ventilators; ET tubes; and Tracheostomy review); Respiratory diseases; Ventilators; ET tubes; and Tracheostomy	See Course Calendar at end of assignments and objectives.
Unit III	Read Smeltzer Chapter 44 begin on page 1520, Chapter 39 Read all	Hepatitis, Cirrhosis; Renal failure; and Dialysis	See Course Calendar at end of assignments.

	Lecture/Discussion/Group Activities - Quizzes and Exam		and objectives.
Unit IV	Read Smeltzer Chapter 61 pages 2161-2190, Chapter 63 all, Chapter 64 all. Lecture/Discussion/Group Activities - Quizzes and Exams	Neurological disorders; Neurosurgery	See Course Calendar at end of assignments and objectives.
Unit V	Read Smeltzer Chapter 57 and 71 and page 675 chest trauma Lecture/Discussion/Group Activities Quizzes and Exam, Guest Speaker	Burns, Trauma, Emergency Care, and Disaster Nursing	See Course Calendar at end of assignments and objectives.

UNIT OBJECTIVES: Upon completion the student will be able to:

Unit I

1. Explain the process a patient with heart disease goes through from risk factors through MI and the related diagnostic tests, treatments, interventions, and care that is provided by the professional nurse. (CO 1, 2, 3, 4, 5).
2. Identify the lethal cardiac arrhythmias and the appropriate medications, treatments, and nursing actions to take for each. (CO 1,2,5,7, 11,12)
3. Discuss the legal, ethical, and professional liability issues that may arise when a professional nurse acts as an advocate for a critically ill cardiac patient in a life or death situation. (CO 6, 11,12).
4. Explain the pathophysiology, symptoms, and management of a client with congestive heart failure. (CO1,2,3,5,12)
5. Explain the various invasive hemodynamic monitoring devices utilized in critical care settings, such as pulmonary artery catheters, arterial lines, and central venous lines/monitoring, and the professional nursing responsibilities that are associated with them. (CO 5)
6. Describe the risk factors, signs and symptoms, diagnostic tests, diagnosis, and treatment of various types of aneurysms; include the appropriate professional nursing actions to take for each. (CO 1,2)
7. Explain the signs and symptoms of each diseased cardiac valve and what impact it will have on a patient's health and well being; include the appropriate nursing care/actions to take. (CO 1)
8. Discuss the community resources and support systems that area available to cardiac patients and their families. (CO 10)

9. Explain the elements of nursing plans of care, teaching plans, dietary plans, and discharge plans take are appropriate for acute and critically ill cardiac patients while taking into consideration possible cultural, financial, social, and personal values would have influenced the development of the patient as an individual. (CO 3)

Unit II

1. Recognize the wide variety of stressors that impact a patient's health and well being in the critical care settings and how to assist the patient/family to minimize these effects through the use of individual, family and group coping mechanisms, community referrals, and support groups. (CO 2,4,12)
2. Correctly calculate and administer IV fluids and medications utilizing various methods in the laboratory setting, while recognizing the legal and professional standards that apply in these situations. (CO 6,7)
3. Explain how shifts in the acid-base balance affects cellular metabolism, how the change is reflected in the Arterial Blood Gas results, and the professional nursing responsibilities that are implicit in these situations. (CO 1,2)
4. Differentiate between the stages of and types of shock and indicate the appropriate diagnostic tests, medical/nursing treatments and responses for a professional nurse to take when caring for the patient. (CO 1,2,3,5,7,)
5. Identify and differentiate the signs and symptoms of various complex critical respiratory diseases and the proper nursing responses/actions to take. (CO 1,2,4)
6. Obtain a basic understanding of the indications for and uses of mechanical ventilation, the nursing care that is appropriate for these patients, and what actions the nurse can legally carry out while caring for these patients. (CO 5,6,12).
7. Identify a variety of potential assessment findings and nursing interventions that relate to acute and complex respiratory problems. (CO 1,2).
8. Discuss the various legal, ethical, and moral issues that arise when the professional nurse acts as a patient advocate in situations where discontinuance of life support is required and how it impacts the patient and family; include community resources and support systems that are available to assist the family. (CO 4,6,12).
9. Explain the nursing responsibilities and care required by a patient who is orally/nasally intubated or has a tracheostomy. (CO 5)
10. Discuss the legal, ethical, and moral responsibilities of the professional nurse when caring for critically ill patients in the hospital and community settings. (CO 6).

Unit III

1. Correlate the various signs and symptoms with the appropriate types of hepatitis and the specific nursing care/actions that are indicated to maintain staff and patient safety and optimize patient outcomes. (CO 1,2,3,4,7,8)
2. Explain the disease process of Cirrhosis from onset to end stage liver disease including signs and symptoms, diagnosis, treatment, and nursing care/actions that are indicated and appropriate. (CO 1,2, 3,7)
3. Describe the indications for and proper uses of various tubes used to treat and/or diagnose a patient with complex gastric or intestinal health problems and include the nursing actions that are required with each. (CO 5)

4. Demonstrate an understanding of renal insufficiency through end stage renal disease including the diagnostic tests, diagnoses, treatments, precautions and the nursing care/actions that are appropriate including community referrals, financial support systems, and other resources that are available to dialysis patients. (CO 1,2,3,7,8)
5. Describe the elements of a teaching plan, diet plan, and discharge plan that are appropriate and indicated for a renal failure patient. (CO 8)
6. Identify the legal, ethical, and professional responsibilities the nurse would have when caring for a patient with renal disease, failure, or transplant. (CO 6,12)
7. Discuss the impact of economic and political issues of a patient with end stage renal failure and how to optimize the outcomes for the patient. (CO 4,9,12)

Unit IV

1. Explain the risk factors that predispose a patient to neurological diseases or injury and the education that the patient should receive to minimize them. (CO 8,12)
2. Describe the diagnostic tests, diagnoses, treatments, and medical and nursing interventions/care that are appropriate for a wide variety of neurological illnesses, diseases, and trauma. (CO 5,7,)
3. Discuss the legal, ethical and professional issues that might be encountered when providing care and acting as an advocate for a patient who is legally brain dead. (CO 6,12)
4. Describe the community resources, financial aide, and support groups that are available to patients with severe and/or chronic neurological diseases or injury within the framework of the legal and ethical responsibilities of the professional nurse. (CO 8,10,12)

Unit V

1. Identify the components of the Primary and Secondary survey of a trauma patient.(CO 1)
2. Discuss priority emergency measures instituted for any patient with an emergency condition condition. (CO 1,4)
3. Identify the significance of the mechanism of injury of a trauma patient.(CO1,2)
4. Identify the significance of the Golden Hour in the care of trauma patients. (CO)
5. Identify the priority of care for the patient with multi-system injury. (CO 1,3,4,5).
6. Describe emergency management of patients with intra-abdominal injuries. (CO 1,3,4,5)
7. Identify the emergency management of patients with heat stroke frostbite & hypothermia. (CO 1,2,4,5,7)
8. Identify the emergency management of patients with ingested, inhaled or skin contact poisons. (CO 1,3,4,5,7)
9. Discuss the management of patients with chemical ingestion and overdose. (CO 1,3,4,5,7)
10. Demonstrate an understanding of the diagnoses, care, and medical/nursing treatments that a burn patient requires from onset to resolution including the appropriate interactions with the patient, family, and health care team. (CO 1,3,4,5,6,7,8,10,11,12).

Topical Outline May Be Found on Blackboard at: <http://blackboard.odessa.edu/> Course Calendar on Blackboard

Grading Policy

1. Grades will be calculated as follows and averaged for the final course grade:

Average of 5 unit exams	70%
Final exam	25%
Daily Grades	5%
Total	100%

The grading scale for RNSG 2331 is consistent with that of the nursing program as is listed on the table below:

Percentage %	Grade
90-100	A
80-89	B
75-79	C
74.99 - 60	D
<60	F

EVALUATION AND GRADING:

1. Theory objectives for each unit are delineated by units with the assignments listed above. The student will be expected to perform as stated in the objectives on the written exams and in classroom activities.
2. A course grade of 75 or better is required to pass RNSG 2331. No assignments are optional. All assignments must be submitted in order to pass RNSG 2331 and its co-requisite clinical course (RNSG 2262).
3. A course final grade below 75, does not meet criteria for progression/graduation. Students must meet all course requirements, or a grade of D or F will be assigned according to the above scale. Grades below 75 will not be rounded up.
4. Unit exams and the final exam will be constructed from a random sample of the material studied in each unit. These questions will mostly be in the form of multiple choice questions. However, there may be other types of questions. Drug calculation questions may be on every major exam. Consult the course calendar for exam dates.
5. Students will be allowed make up exams only if they have notified the instructor or the Nursing Department prior to the scheduled class period. Make-up exams must be taken within one week of the missed exam, unless other arrangements have been made with the instructor. If an exam is not made up within one week or by the time frame arranged by the student and the instructor, the student will receive a "0" for that exam and the unit grades will be averaged accordingly. Only one unit exam may be made up. All exams must be taken in order to pass this course even if the grade will be a "0".

The student may expect an alternate method of testing for the make up exam.

Unscheduled quizzes/daily work administered during class may not be made up in the case of an absence.

6. PDS nursing software assignments may be taken two times ONLY. PDS Software allows the instructor to review assignments. PDS software assignments in which the student has entered more than two times will receive a grade of "0" for the assignment. PDS software assignments are due at 9:30 a.m. on the Tuesday mornings assigned. See Course Calendar on Blackboard for due dates. Assignments submitted after 9:30 a.m. on the assigned date will receive 5 points off and 5 points will be deleted from the assignment grade for each day, including weekends and holidays, the assignment is late. All scenarios due the date assigned must be submitted in order to receive a grade. Assignments should be submitted in a folder with pockets.
7. ATI homework assignments are due on the date assigned on the course calendar. Each assignment may be taken twice and both grades submitted in a folder at 9:30 a.m. on the date assigned.
8. The final exam will be comprehensive. Review of the final exam will be by appointment only.
9. All assignments, software scenarios, etc. MUST be submitted (even if the grade is "0") in order to pass this course. Five points each day, including weekends and holidays will be deducted for late assignments.
10. The student will take the Medication Math Competency Exam during the second week of class. A minimum passing score of 92% must be achieved on the exam in order to pass RNSG 2331. Students not passing the first exam will be allowed to take a second exam after they have completed a minimum of two hours of documented remediation. This exam must be taken no later than the second week after the first exam. Only two attempts to measure medication math competency will be allowed. If the student is unsuccessful on the second exam, he/she must withdraw from RNSG 2331, Advanced Concepts of Adult Health and its co-requisite clinical course, as well as RNSG 2121, Management of Client Care and its co-requisite clinical course. See Associate Degree Nursing Student Handbook.
11. An ATI Exit Exam proctored exam will be given near the end of the semester. Two (2) to three (3) weeks after the proctored exam a three (3) day ATI review course will be held at Odessa College. The fees for the ATI exams and review course are included in tuition. Attendance is required at this course for 8 hours a day for the three (3) days of the review. Any hours missed will be made up by the student completing 500 NCLEX review questions for each one hour of the review that the student is absent. A second ATI proctored exam is required at the end of the review. Students successful in meeting a percentile of 92 or above will receive 5% of the percentile score added to the final exam grade. Students unsuccessful in meeting a percentile score of

at least 92 on the second ATI exit exam will be required to meet with the Director or Dean of the Odessa College Nursing Program. The Director Dean will assign additional requirements the student must meet before the affidavit of graduation is submitted to the Board of Nursing. Additional requirements may consist of the following or other requirements as prescribed by the Director or Dean of the Odessa College Nursing Program.

1. Other review courses or sections
2. Case studies (on-line or other)
3. NCLEX -RN online review media
4. Computer assisted instruction
5. Answering an assigned number of NCLEX type questions from review books or on-line
6. Developing strategies to lessen test anxiety.
7. Reviewing ATI programs and taking additional ATI exams to ascertain progress
8. Working with faculty or other designated person to develop test taking skills
9. Re-taking or auditing a nursing course(s)
10. Other strategies as determined by the individual student and Dean of Nursing and Allied Health.

Results of the Plan of Success will be evaluated by the Dean. If satisfactory, the grade of "I" will be changed to the grade received in the course work for RNSG 2331. The date for completion of graduation requirements will be established by the Nursing Department and the Office of the Registrar. The Affidavit of Graduation will be sent to the Board of Nursing by the Dean of Allied Health once all graduation requirements are met and the degree is posted. If unsatisfactory, the student will complete other requirements before the Affidavit of Graduation is sent to the Board of Nursing.

COURSE POLICIES:

Attendance

In order to be successful, it is essential that the student attend all classes and labs. Punctuality is expected. If absent from class or lab, the student is responsible for all material presented or assigned. Students are responsible for notifying the instructor if s/he anticipates an absence from class. Classes may be viewed on Tegrity via Blackboard after the class has been taught.

Daily Grades

Students not in class at the beginning of testing for Daily Grades will Not be allowed to take the test once the test has begun. Daily grades will not be allowed to be made up.

Cell Phones

Use of cell phones in manner is not allowed in class. Any electronic devices, such as cell phones or pagers, must be turned off in order to provide an environment conducive to learning. Students texting or using cell phones in any other manner will be asked to leave the class room. Cell phones will be turned off and placed in a designated area in the classroom during testing of unit exams, the final exam, the ATI proctored exam.

Nursing Student Handbook

Students must follow the policies in the Nursing Student Handbook. The Handbook is available on the Odessa College home page (www.odessa.edu) under the Nursing Department. Individual copies are made available to students on request in the Nursing Office.

Exam Question Challenges

Any student who wishes to challenge an exam question must do so within a week of the exam. A test challenge form must be completed and submitted to the instructor. No test question challenges are permitted on the final exam.

Post-Exam Review

Exam reviews will be conducted according to the instructor's preference. The test booklets are the property of the instructors and may not be copied.

LABORATORY COMPONENT OF RNSG 2331

The laboratory component of 2331 is designed to improve clinical skills and critical thinking skills. The following skills that will be taught or reviewed within the appropriate unit.

1. Defibrillation and cardioversion.
2. Calculating IV infusion rates for medications administered in mcg/kg/min.
3. Hemodynamic monitoring and the nursing care involved at the associate degree nursing level. This includes arterial monitoring and Swan Ganz monitoring.
4. Complex respiratory modalities including, endotracheal intubation/extubation, ventilator maintenance and tracheostomy tubes. Demonstrate the ability to interpret ABG results correctly.
5. Beginning ECG interpretation and management of dysrhythmias to include the following rhythms:
 - a. NSR
 - b. ST
 - c. SB
 - d. 1st degree AV block
 - e. Atrial Fib and Flutter
 - f. PVCs
 - g. Ventricular Tachycardia
 - h. Ventricular Fibrillation
 - i. Asystole

6. Perform a complete neurological examination including the evaluation of the cranial nerves and the Glasgow Coma Scale.
7. Identify the criteria for determining brain death.
8. Describe assessment techniques for the client in renal failure: including, an AV fistula, hemodialysis, and peritoneal dialysis. .
9. Describe assessment techniques and nursing care for the client with cirrhosis, including the utilization of the Blakemore tube and ice saline lavages.
10. Describe components of a primary and secondary survey in an ED setting.
11. Calculate the classifications of burns, the stage of the burn, and the amount of fluid necessary for burn resuscitation.
12. Describe the components of a cardiopulmonary arrest (code).

STUDENT CONTRACT

I have read the course Syllabus for RNSG 2331, the Odessa College Handbook, and the Nursing Department Student Handbook. I understand the requirements, grading policies, and attendance policies for this course.

Student Signature

Date

Special Needs

Odessa College complies with Section 504 of the Vocational Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. If you have any special needs or issues pertaining to your access to and participation in this or any other class at Odessa College, please feel free to contact me to discuss your concerns. You may also call the Office of Disability services at 432-335-6861 to request assistance and accommodations.

Learning Resource Center (Library)

The Library, known as the [Learning Resources Center](#) provides research assistance via the [LRC's catalog \(print books, videos, e-books\)](#) and [databases \(journal and magazine articles\)](#). [Research guides](#) covering specific subject areas, [tutorials](#), and the "[Ask a Librarian](#)" service provide additional help.

Student E-mail

Please access your [Odessa College Student E-mail](#), by following the link to either set up or update your account: <http://www.odessa.edu/gmail/>. All assignments or correspondence will be submitted using your Odessa College email.

Student Portal

Please access your [Odessa College Student E-mail](#), by following the link to either set up or update your account: <http://www.odessa.edu/gmail/>. All assignments or correspondence will be submitted using your Odessa College email.

Technical Support

For Blackboard username and password help and for help accessing your online course availability and student email account contact the Student Success Center at 432-335-6878 or online at https://www.odessa.edu/dept/ssc/helpdesk_form.htm.

Important School Policies

For information regarding student support services, academic dishonesty, disciplinary actions, special accommodations, or student's and instructors' right to academic freedom can be found in the [Odessa College Student Handbook](#).