Piedmont Technical College Nursing Course Syllabus

COURSE INFORMATION

INSTRUCTOR NAME: Karen Larson  CREDENTIALS: MBA/TM, MSN, RN.

Course Prefix/Number: NUR 210

Title: Complex Health Problems

Responsible Division: Nursing

Course Description: This course expands application of the nursing process in meeting the needs of patients with complex health problems.

Total Course Hours:  (3/6) 5 Credit hours /3 Lecture hours /6 Lab hours

Placement of Course within the Program of Study:

This course is placed in the 5th semester of the Associate Degree Program.

Prerequisites: NUR 217, NUR 211, NUR 212. Co-requisites: NUR 216, NUR 219.

Course/Clinical Student Learning Outcomes

Upon successful completion of this course, each student will be able to:

1. Integrate physical, emotional, and spiritual components of caring behaviors for individuals and families across culturally diverse populations. (Patient Centered Care, Mission Goal 2)

2. Utilize therapeutic communication skills when interacting with patients, families, support person(s), and members of the interdisciplinary healthcare team. (Teamwork and Collaboration, Mission Goal 4)

3. Select nursing interventions for adult patients and families with complex health needs and unpredictable outcomes based on principles of research-based practice. (Evidence-based Practice, Mission Goal 3)

4. Evaluate the effectiveness of patient interventions as indicated by patient outcomes. (Quality Improvement, Mission Goal 3)

5. Analyze complex situations based on assessment findings to formulate, prioritize and implement care. (Safety, Mission Goal 2)

Upon successful completion of this clinical component, each student will be able to:
1. Prioritize care for the patient with multiple, complex, and/or life threatening stressors using evidence, clinical judgment and patient preferences. *(Patient Centered Care, Mission Goal 2)*

2. Employ therapeutic communication techniques to achieve mutually defined goals in collaboration with patients, families, significant person(s), peers and other members of the healthcare team. *(Teamwork and Collaboration, Mission Goal 4)*

3. Collaborate with interdisciplinary healthcare team in an effort to solve problems to achieve patient goals and positive patient outcomes. *(Teamwork and Collaboration, Mission Goal 4)*

4. Apply current evidence-based practices when designing, providing and coordinating care for patients. *(Evidence-based Practice, Mission Goal 3)*

5. Demonstrate safe, competent nursing care valuing the cultural diversity of the patient, families, significant support person(s), and members of the healthcare team. *(Safety, Mission Goal 2)*

6. Utilize data from a variety of technological healthcare management systems when designing, providing, and coordinating patient care. *(Informatics, Mission Goal 1 and 5)*

7. Evaluate nursing interventions and behaviors as needed to improve patient outcomes and prevent potential complications for patients experiencing complex health problems involving multiple body systems. *(Quality Improvement, Mission Goal 3)*

**Teaching Methods and Evaluation Methods:**

**Teaching Methods:** Lecture Capture, PowerPoint presentations, handouts, role playing, group projects, situational awareness activities, case scenarios, class discussion, interactive board games

**Evaluation Methods:** Quizzes, unit tests, final exams, project rubrics, NUR 210 Clinical Evaluation Tool, ATI testing, S-Bar communications, simulation rubric, concept mapping

*Final course grades will be calculated to the nearest tenth, without rounding so that 75.0 and above is passing but 74.9 and below is not.*

**Theory:** A final theory grade will be calculated as follows:

- Major Unit Tests: 75%
- Final Exam: 20%
- Assignments/Quizzes_HW: 5%

100%

**Clinical/Lab:** A satisfactory rating in all a core competencies on the final evaluation on the clinical evaluation tool.
Course Content:

Unit 1: (Respiratory) Acute Respiratory Disorders, ABG Interpretation/Compensation, Reparatory Modalities, Ventilators and Airway Management, Chest trauma.

Unit 2: (Cardiac) Dysrhythmias, Hemodynamic Monitoring and Interpretation, Coronary Artery Bypass Grafting (CABG), Aneurysms/Dissecting Aorta.

Unit 3: (Neurological) Acute Intracranial Problems, CVA (Hemorrhagic and Ischemic), Spinal Cord Injuries, Myasthenia Gravis.

Unit 4: (Endocrine) Diabetes Mellitus Complications, Endocrine Emergencies, Shock/MODS.

Unit 5: (Burns, Renal, HTN Crisis, Sensory) Continuous Renal Replacement Therapy, Acute Renal Failure, Nutrition related to Acute Renal Failure, Temporary Hemodialysis, Hypertensive Crisis, Overload/Deprivation in the ICU setting, Burns, Nutrition related to Burn Complications.

Clinical/Laboratory Settings (include rationale):

Acute care setting which includes Progressive Care, Critical Care and Emergency Care units and a Simulation lab experience. Patient population in these areas are consistent with topics discussed in didactic portion.

Last Day to Withdraw from this Course: For the last date to withdraw from this course, consult the current Student Calendar.

Textbook and Other Materials:

For textbook information and additional required and/or supplemental materials, visit the college bookstore (www.ptc.edu/bookstore).

Proctored Examinations:

Proctored examinations for distance learning courses taken at non-PTC campuses may require a proctoring fee for each exam taken.

COURSE POLICIES

Course policies are available online through the Academic Catalog and Student Handbook. Visit the Course Policies page (www.ptc.edu/syllabus/policies) for a detailed list of important policies and more information.

GRADE POLICY
Detailed grading policy information can be found on the [Grading Policy webpage](http://www.ptc.edu/grading-policy). Final grade appeal information is available in the [Academic Catalog](http://www.ptc.edu/catalog/).

**ACCOMMODATIONS**

**Accommodations for ADA:**

Information is available on the [Student Disability Services webpage](http://www.ptc.edu/ada).

**RATIONALE**

**Why do I need this course?**

The purpose of this course is to assist students in integrating concepts from nursing and related disciplines into nursing practice. Applications in clinical decision-making will assist students in identifying stressors causing alterations in selected physiological systems.

**PROGRAM INFORMATION**

For program information including required courses, program learning outcomes, gainful employment information and advisement information, refer to the Academic Program webpage. Go to [Academics](http://www.ptc.edu/academics), select your program, and then select Credentials Offered.

**GENERAL EDUCATION COMPETENCIES**

Piedmont Technical College General Education Competencies for All Graduates:

*This course may address one or more of the following General Education Competencies (assessment will be stated when applicable):*

**Communicate effectively.**

Assessment:
Demonstrate the ability to read with comprehension as assessed by written tests and quizzes.

**Apply mathematical skills appropriate to an occupation.**

Assessment:
Successfully apply mathematical skills to calculate medication administration dosages while in the clinical setting

**Employ effective processes for resolving problems and making decisions.**

Assessment:
Demonstrate the ability to critically think and solve problems as assessed by unit tests and quizzes, as well as clinical and lab performance.
Demonstrate the ability to summarize information and draw conclusions as assessed by unit tests and completion of assigned homework, case studies, or concept maps.

**Demonstrate the basic computer skills necessary to function in a technological world.**

Assessment:
Demonstrate the ability to locate and retrieve digital information as evidenced by use of the D2L system, Nursing Central Software and other electronic databases, ATI online tutorials and testing and use of the electronic medical record in the clinical setting.

Demonstrate the ability to utilize information in electronic format as assessed by ability to access and utilize word, PowerPoint and PDF documents via D2L system.

*To validate proficiency in the general education competencies, students in some programs will be tested using Work Keys.*