Class Hours: 5.0  
Credit Hours: 9.0  
Laboratory Hours: 4.0  
Revised: Spring 2012

NOTE: The health sciences licensing body changes recommendations as new research/procedures evolve; therefore, course content is subject to change in order to stay in step with health care innovations.

Catalog Course Description:

This course focuses on the therapeutic nursing care and modalities in the care of adults and children with emphasis on neurological/neurosensory, multisystem organ failure, hematological/oncologic/immunological systems, and maternal/newborn nursing. Based on the nursing process, this course further develops the competencies of family-centered assessment, communication, care management, and clinical interventions in care of patients across the lifespan. Five hours lecture and 12 hours clinical/ lab experience per week.

Entry Level Standards:

College –level competencies in logic, reading, critical thinking, ability to mathematically reason, effectively utilize communication skills, ability to tug, pull, stoop, and lift 50 pounds unassisted.

Prerequisites:

Acceptance and admission to the Associate of Applied Science in Nursing program at Pellissippi State Community College, Department of Nursing; successful completion of NURS 1150, NURS 1160 and NURS 2150.

Textbook(s) and Other Course Materials:


I. Week/Unit/Topic Basis:

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
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<tbody>
<tr>
<td>1</td>
<td>Women’s Health</td>
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<tr>
<td>2</td>
<td>Family Centered/Obstetric Nursing</td>
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<td>3</td>
<td>Family Centered/Obstetric Nursing</td>
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<td>4</td>
<td>Family Centered/Obstetric Nursing</td>
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<tr>
<td>5</td>
<td>Family Centered/Maternal Newborn Nursing</td>
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<tr>
<td>6</td>
<td>Neurosensory</td>
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<tr>
<td>7</td>
<td>Neurological</td>
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<td>8</td>
<td>Neurological</td>
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<td>9</td>
<td>Hematology/Oncology</td>
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<td>10</td>
<td>Hematology/Oncology</td>
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<tr>
<td>11</td>
<td>Immunologic</td>
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<tr>
<td>12</td>
<td>Immunologic</td>
</tr>
<tr>
<td>13</td>
<td>Multisystem Organ Failure</td>
</tr>
<tr>
<td>14</td>
<td>Multisystem Organ Failure</td>
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<tr>
<td>15</td>
<td>Final Exam</td>
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II. Course Goals*:

The course will

A. Describe the pathophysiology, clinical manifestations, management and nursing care for patients across the lifespan with alterations of the neurological/neurosensory, hematological/oncologic/immunological systems and multisystem organ failure. I-X
B. Describe the pathophysiology, clinical manifestations, management and nursing care associated with women’s health, maternal patients with normal and high-risk pregnancies, and with the neonatal patient. I-X

C. Discuss the preoperative and postoperative nursing interventions for patients undergoing neurologic/neurosensory, hematologic/oncologic/immunologic, and multisystem organ failure and obstetric surgery. I-IV, VII, X

D. Discuss medications used for the treatment of neurologic/neurosensory, multisystem organ failure, hematological/oncologic/immunological, maternal and neonatal disorders, such as generic/brand name, classification, and mechanism of action, side effects, normal dosage, and nursing implications. I-V, VIII-X

E. Identify historical movements in maternal-newborn health and the current role of the maternal-newborn nurse. VIII

*Roman numerals after course objectives reference goals of the nursing program.

**Nursing Program Educational Goals:**

Upon completion of the Associate of Applied Science in Nursing Program, the graduate will develop skills, knowledge, and abilities to accomplish the following:

I. Provide competent nursing care at the advanced beginner level to diverse populations.

II. Establish and maintain ethical relationships in order to act within the context of the Nurse Practice Act.

III. Provide nursing care that promotes, protects, and improves health for individuals, families and communities.

IV. Deliver culturally competent care that reflects sensitivity to racial, ethnic and cultural diversity.

V. Utilize nursing and allied health related research in the delivery of nursing care.

VI. Participate in coordinated care by practicing shared decision-making, delegating aspects of care, and working in teams.

VII. Deliver nursing care that is cost-effective and assures financial accountability.

VIII. Utilize multiple sources of information, which include computer-based data, to critique and improve clinical decisions.

IX. Engage in critical self-assessment in order to maintain life-long learning.

X. Practice and evaluate caring behaviors in clinical nursing.

**III. Expected Student Learning Outcomes*:**

Students will be able to:

1. Understand the clinical significance and related implications of laboratory and diagnostic tests and procedures used for assessment and evaluation of maternal and neonatal patients, and the neurological/neurosensory, multisystem organ failure, hematological/oncologic/immunological systems. A,B

2. Utilize knowledge acquired in anatomy, physiology, and developmental psychology to build advanced nursing skills in the development of individualized care for patients with disorders of the neurological/neurosensory, multisystem organ failure, hematological/oncologic/immunological systems, and for the low-risk and complex high-risk maternal-neonatal patient. A-E

3. Demonstrate therapeutic communication skills used in patient/family teaching for patients with neurological/neurosensory, multisystem organ failure, hematological/oncologic/immunological systems disorders and with families throughout the
childbirth experience.  A-C

4. Discuss the major psychosocial, cultural, and spiritual aspects of caring for persons across the lifespan with neurologic/neurosensorvry, multisystem organ failure, hematologic/oncologic/immunologic disorders and for maternal and neonatal patients. A-E

5. Utilize the nursing process in caring for persons of all ages experiencing alterations in neurologic/neurosensorvry, multisystem organ failure, hematologic/oncologic/immunologic systems, women’s health, and the maternal and neonatal patient. A-E

6. Identify the physiologic action, use, side effects and nursing implications of drugs used in pharmacological management of commonly occurring disease processes across the lifespan of the neurologic, neurosensorvry, hematologic/oncologic/immunologic systems and for patients with multisystem organ failure.  D

7. Perform technical skills and therapeutic interventions necessary to provide comprehensive nursing care for assigned patients/clients across the lifespan.  A-C

8. Display mastery of content by defining, discussing, differentiating, calculating and correctly administering subcutaneous, intramuscular, intradermal, injections, intravenous medications to include IV push, IV piggyback, and bolus medications; oral and topical skin preparations; eye, ear, and nose drops, vaginal instillations; rectal suppositories; and inhalants to assigned patients across the lifespan.  D

* Capital letters after Expected Student Learning Outcomes reference the course goals listed above.

IV. Evaluation:

A. Testing Procedures: 90% of grade

Unit Exams: 70% of the course grade: Five (5) exams will be given. Exams will be multiple choice, multiple answer, alternative style, and dosage calculation test questions as indicated to follow NCLEX-RN testing format.

Comprehensive Final Exam: 20% of the course grade. (This exam will be multiple choice, alternative style questions, and dosage calculations).
A 78% overall course average is required in order for the student to progress in the nursing sequence. Exams dates are specified in the class calendar. If a nursing student is unable to take an exam, it is the responsibility of the student to contact the instructor PRIOR to the EXAM and arrange an alternate make-up exam or the student will receive a zero for that exam.

B. Laboratory Expectations: Satisfactory Performance

Laboratory and clinical behaviors must be satisfactory to receive a passing grade for the course. The following three (3) areas are considered to make up the laboratory portion of this course:

Dosage calculations: Students will be tested on dosage calculations at the beginning of the semester. The student has two opportunities to pass the dosage calculation test with at least 78%. If the student is not successful in passing within two attempts, the student will receive a course grade of F.

Simulation Lab: Students will actively participate in a mock code capstone simulated scenario provided through the use of Sim Man 3G. Students may also participate in simulated scenarios using Sim Baby, Sim NewB, Vital Sim, and other electronic simulation devices. Failure to actively participate in these simulations with satisfactory responses to the scenarios will result in an Unsatisfactory in the laboratory portion of the class.
Clinical: Students will participate in clinical experiences at area hospitals, mental health facilities, extended care facilities, and community agencies as designated by faculty. In order to be successful, students will be responsible for:

1. Completing written assignments in a satisfactory manner.
2. Performing nursing skills at an advanced level.
3. Participating in pre and post clinical conferences.
4. Completing an agency affiliate evaluation.
5. Attending all clinical/lab experiences as scheduled.

Clinical Evaluation Tool: Students will receive a clinical evaluation at the completion of clinical rotations. Students must receive at least a 78% on all critical objectives on the Clinical Evaluation Tool and an overall clinical evaluation of Satisfactory in order to receive a passing grade for the laboratory portion of the course and therefore to be able to pass NURS 2150.

Clinical Evaluation Tool Critical Objectives consist of the following:

1. Apply legal/ethical principles in providing nursing care.
2. Communicate information pertinent to patient care to appropriate personnel (nurses, instructor, and physician).
3. Practice within the parameters of own knowledge and experience.
4. Adapt environment for the welfare and safety of clients.
5. Apply principles of infection control and standard precautions.
6. Calculate medication dosages accurately.
7. Administer and document medications safely.
8. Perform psychomotor skills in a competent manner.
9. Recognize hazards to patient and take appropriate action to maintain a safe environment.
10. Perform with minimal supervision nursing activities to promote patient and personal safety.
11. Apply principles of infection control and standard precautions.

*Note: Any student who unduly compromises the safety of a patient and/or displays clinical misconduct behavior will receive a clinical grade of Unsatisfactory.

C. Field Work:

Clinical preceptorship of 60 hours

D. Other Evaluation Methods: 10% of grade

Standardized Kaplan Course Assessment Exam: 10% of the course grade. (This test will be multiple choice, alternative style, and dosage calculations questions.)

E. Grading Scale:

<table>
<thead>
<tr>
<th>Score Range</th>
<th>Grade</th>
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<tbody>
<tr>
<td>94-100</td>
<td>A</td>
</tr>
<tr>
<td>86-93</td>
<td>B</td>
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<tr>
<td>78-85</td>
<td>C</td>
</tr>
<tr>
<td>70-77</td>
<td>D</td>
</tr>
<tr>
<td>Below 70</td>
<td>F</td>
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</tbody>
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V. Policies:

A. Attendance Policy:
Pellissippi State expects students to attend all scheduled instructional activities. As a minimum, students in all courses (excluding distance learning courses) must be present for at least 75 percent of their scheduled class and laboratory meetings in order to receive credit for the course. Students are expected to attend all classes for which they are registered, to be prompt and to remain in class/lab for the entire time. Students who are unable to attend class regularly, regardless of the reason or circumstance, should withdraw from the class. Withdrawal from class can affect eligibility for federal financial aid. See the PSCC Department of Nursing Student Handbook for the class attendance policy. Attendance at all clinical/lab experiences is mandatory. However, if an unavoidable mitigating circumstance arises which prevents attendance as scheduled, the student may request an excused absence. A student who misses more than 2 (two) clinical/lab days per semester will be referred to the Dean of Nursing for determination of the ability to remain in the program.

B. Academic Dishonesty:

Academic misconduct committed either directly or indirectly by an individual or group is subject to disciplinary action. Prohibited activities include but are not limited to the following practices:

• Cheating, including but not limited to unauthorized assistance from material, people, or devices when taking a test, quiz, or examination; writing papers or reports; solving problems; or completing academic assignments.
• Plagiarism, including but not limited to paraphrasing, summarizing, or directly quoting published or unpublished work of another person, including online or computerized services, without proper documentation of the original source.
• Purchasing or otherwise obtaining prewritten essays, research papers, or materials prepared by another person or agency that sells term papers or other academic materials to be presented as one’s own work.
• Taking an exam for another student.
• Providing others with information and/or answers regarding exams, quizzes, homework or other classroom assignments unless explicitly authorized by the instructor.
• Any of the above occurring within the Web or distance learning environment.

C. Accommodations for disabilities:

Students who need accommodations because of a disability, have emergency medical information to share, or need special arrangements in case the building must be evacuated should inform the instructor immediately, privately after class or in her or his office. Students must present a current accommodation plan from a staff member in Services for Students with Disabilities (SSWD) in order to receive accommodations in this course. Services for Students with Disabilities may be contacted by going to Goins 127, 132, 134, 135, 131 or by phone: 539-7153 or TTY 694-6429. More information is available at www.pstcc.edu/departments/swd/.

D. Other Policies:

Make Up Policy: The manner in which make up work, test(s), or assignments will be given for excused absences, as allowed by the Standard College Policies, shall be left solely to the discretion of the instructor.

Computer Usage Guidelines: College-owned or -operated computing resources are provided for use by students of Pellissippi State. All students are responsible for the usage of Pellissippi State’s computing resources in an effective, efficient, ethical and lawful manner.

Cell Phone Usage:
Faculty recognizes the need for students to be able to be contacted in the event of an emergency. However, noise disturbance must be reduced during nursing activities. Therefore, all pagers, beepers, and cell phones are to be on vibrating mode while in the classroom and Skills/Simulation Lab. During scheduled testing all cell phones are to be turned off and placed out of reach. Possession of a cell phone during testing constitutes cheating, so any student not in compliance with this rule will receive a grade of zero on the exam and be removed from testing. The use of cell phones by students in an assigned clinical area is prohibited. Students should inform their family that in the case of an emergency the student may be reached by calling the agency to which they are assigned and speaking to the nursing faculty supervising the clinical assignment.