**ESSEX COUNTY COLLEGE**

**Nursing and Allied Health Division**

**RTC 103 – Patient Care**

**Course Outline**

**Course Number & Name:** RTC 103 **Patient Care**

**Credit Hours**: 2.0 **Contact Hours**: 2.0 **Lecture**: 2.0 **Lab**: N/A **Other**: N/A

**Prerequisites**:  Formal acceptance into the Radiography Program

**Co-requisites**: None **Concurrent Courses**: None

**Course Outline Revision Date:**  Fall 2011

**Course Description**: This course acquaints students with nursing procedures and techniques used in the general care of the patient. Emphasis is on the role of the technologist in various nursing situations. Students are also instructed in the ethical principles and the responsibilities entailed by becoming a member of a paramedical profession.

**Course Goals:** Upon successful completion of this course, students should be able to do the following:

1. demonstrate a basic understanding of the history of medicine, the health care team, and the method of applying critical thinking skills;

2. explain and demonstrate clinical education evaluation levels, types of learning, and methods of appropriately interacting with patients and health care team members;

3. correctly take patient history and apply proper body mechanic for patient transfer;

4. discuss and demonstrate proper methods of patient immobilization, vital sign assessment, and venipuncture;

5. identify methods of proper infection control;

6. discuss and follow the ethical requirements of a radiologic health care practitioner; and

7. identify medical legal considerations for the health care worker.

**Measurable Course Performance Objectives (MPOs)**: Upon successful completion of this course, students should specifically be able to do the following:

1. Demonstrate a basic understanding of the history of medicine, the health care team, and the method of applying critical thinking skills:

1.1 *describe the discovery of radiation and its use in medicine*;

1.2 *identify the members of the health care team, its organizational structure, and the responsibilities of the health care team;* and

1.3 *define methods of assessment and the steps used in problem solving and critical thinking*

**Measurable Course Performance Objectives (MPOs)** (continued):

2. Explain and demonstrate clinical education evaluation levels, types of learning, and methods of appropriately interacting with patients and health care team members:

2.1 *identify levels of competency as defined by the state of New Jersey*;

2.2 *define types of learning including cognitive domain, psychomotor domain, and affective domain*; and

2.3 *utilize respect and understanding when interacting with patients or other members of the health care team regardless of age, gender, ethnic origin, or any other diversity*

3. Correctly take patient history and apply proper body mechanic for patient transfer:

3.1 *evaluate and document patient medical history;* and

3.2 *properly move a patient onto the imaging table demonstrating safe techniques for patient and self*

4. Discuss and demonstrate proper methods of patient immobilization, vital sign assessment, and venipuncture:

4.1 *identify acceptable methods of immobilization of the patient during radiographic imaging;*

4.2 *competently perform measurements of blood pressure, pulse rate, and respiration;* and

4.3 *demonstrate proper venipuncture*

5. Identify methods of proper infection control:

5.1 *discuss the origins of disease and pathogens;*

5.2 *identify methods of disease spread;*

5.3 *describe methods of elimination and control of infection;* and

5.4 *explain the chain of infection*

6. Discuss and follow the ethical requirements of a radiologic health care practitioner:

6.1 *describe medical ethics as outlined by the American Society of Radiologic Technologists;* and

6.2 *list and discuss ethical dilemmas and theories*

7. Identify medical legal considerations for the health care worker:

7.1 *discuss HIPAA rules and expectations;*

7.2 *give examples of doctrines and types of law;* and

7.3 *explain the requirements for and the different types of legal consent*

**Methods of Instruction**: Instruction will consist of lectures, class discussions/participation, PowerPoint slide shows, class activities, radiograph review, and laboratory activities.

**Outcomes Assessment:** Test and exam questions are blueprinted to the course objectives which are based on the minimum standards required by the American Radiology of Radiologic Technologists (ARRT) and the American Society of Radiologic Technologists (ASRT) suggested course curriculum. Note: Tests and exams are primarily structured in multiple-choice formats in conjunction with the ARRT exam. Also, checklist rubrics may be used to evaluate students for the level of mastery of course objectives.

**Course Requirements:** All students are required to:

1. Read the textbook and do the suggested homework problems in a timely manner.

2. Attend and be an active participant in all classes.

3. Take tests/exams in class and adhere to the test/exam schedule.

4. Turn off cell phones while in class.

5. Remain in the classroom during the entire class period.

6. Earn a “C” or better to pass this class. Students who do not earn a “C” or better will be required to withdraw from the Radiography Program as per program policy.

**Methods of Evaluation:** Final course grades will be computed as follows:

 **% of**

**Grading Components final course grade**

* 4 or more Tests (dates specified by the instructor)  50%

Tests will be administered regularly throughout the semester to test student mastery of course objectives.

* **Midterm Exam** (date specified by the instructor)  **20%**

The midterm exam format may consist of multiple choice, short answer, and true/false questions and will include material from the readings, homework, and lectures covered throughout the semester. The midterm exam will test the students’ mastery of course objectives and synthesis of course material covered from the beginning through the first half of the semester.

* **Final Exam** **30%**

The final exam format may consist of multiple choice, short answer, and true/false questions and will include material from the readings, homework, and lectures covered throughout the semester. The final exam will test the students’ mastery of course objectives and synthesis of course material covered throughout the entire semester.

**Academic Integrity:** Dishonesty disrupts the search for truth that is inherent in the learning process and so devalues the purpose and the mission of the College. Academic dishonesty includes, but is not limited to, the following:

* plagiarism – the failure to acknowledge another writer’s words or ideas or to give proper credit to sources of information;
* cheating – knowingly obtaining or giving unauthorized information on any test/exam or any other academic assignment;
* interference – any interruption of the academic process that prevents others from the proper engagement in learning or teaching; and
* fraud – any act or instance of willful deceit or trickery.

Violations of academic integrity will be dealt with by imposing appropriate sanctions. Sanctions for acts of academic dishonesty could include the resubmission of an assignment, failure of the test/exam, failure in the course, probation, suspension from the College, and even expulsion from the College.

**Student Code of Conduct:** All students are expected to conduct themselves as responsible and considerate adults who respect the rights of others. Disruptive behavior will not be tolerated. All students are also expected to attend and be on time for all class meetings. No cell phones or similar electronic devices are permitted in class. Please refer to the Essex County College student handbook, *Lifeline*, for more specific information about the College’s Code of Conduct and attendance requirements.

**Course Content Outline:** based on the text **Introduction to Radiologic Sciences and Patient Care**, 5th edition, by Adler & Carlton; ISBN-13 #: 978-1-4160-3194-9

**Week Topics covered**

1 Review class syllabus

Chapters 1 & 2

History of medicine, specialized areas of diagnostic imaging, the health care team, standard of care, patient bill of rights, policies, and practice standards

2 Chapter 4

 Critical thinking and problem solving

3 **Test 1**

Human diversity, radiation protection, patient assessment and scheduling

4 Chapter 5

 Clinical education, types of learning

5 **Test 2**

 Chapter 10

 Human diversity, mental and physical ability, cultural competency

6 Chapter 11

 Patient communication, patient ID

7 **Midterm Exam**

 Demonstration of proper patient communication skills through role play

8 Chapter 12

 History taking, questioning skills

9 Chapter 13

 Patient transfer/back safety

 Transfer techniques will be performed and evaluated

10 **Test 3**

 Chapters 14 & 15

 Patient immobilization, monitoring, vital signs and venipuncture

11 Demonstration and practice of patient monitoring skills

Students will demonstrate patient monitoring skills and be evaluated by checklist rubrics

**Week Topics covered**

12 – 13 Chapters 16, 17 & 18

 Infection control, asepsis, aseptic techniques, sterile scrub

Students will demonstrate proper sterile scrub technique and be evaluated by checklist rubrics

14 **Test 4**

 Chapters 22, 23 & 24

 Medical ethics, medical law, consent

15 Review for the Final Exam

 **Final Exam**