



A POLYTECHNIC INSTITUTION

School of Health Sciences  
Program: Medical Radiography  
Option:

**NURS 1180**  
**Patient Care 1**

**Start Date:** January , 2007

**End Date:** April, 2007

**Total Hours:** 30 **Total Weeks:** 15

**Term/Level:** 1 **Course Credits:** 2

**Hours/Week:** 2 **Lecture:** **Lab:**

**Shop:** **Seminar:** **Other:** 2

**Prerequisites**

**Course No. Course Name**

**NURS 1180 is a Prerequisite for:**

**Course No. Course Name**

- BHSC 2213 Anatomy and Physiology 2
- MRAD 2210 Clinical Education 2
- MRAD 2214 Radiographic Anatomy and Physiology 2
- MRAD 2215 Case Studies 1
- MRAD 2216 Radiographic Procedures 2
- MRAD 2217 Pathology 1
- NURS 2180 Patient Care 2

**v Course Description**

This is the first section of the two-part Patient Care course designed for Medical Radiography students. The scheduling of content and classes is designed to complement the theory and skills required by the student in classes and practicum experiences offered through the Medical Radiography Department. This course is offered through the Bachelor of Technology Nursing Program.

**v Detailed Course Description**

The purpose of this course is to provide students with knowledge and skills required to provide patient care in the Radiology department. In-class assignments and supervised laboratory activities are designed to give students opportunities to apply their critical thinking and manual skills to a variety of patient care situations.

**v Evaluation**

Midterm Exam #1	25%	Comments: To successfully pass this course, the student must: 1. achieve a course mark of 65% or better. 2. successfully complete the Student Progress Sheet. 3. complete all assignments.
Midterm Exam #2	25%	
Final Exam	50%	
<b>TOTAL</b>	<b>100%</b>	

**v Course Learning Outcomes/Competencies**

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

1. Communicate significant data to other health care personnel.
2. Assess patients and collect relevant patient information prior to performing diagnostic procedures.
3. Explain the required interventions when working with:
  - a. patients experiencing pain, drowsiness, nausea, vomiting, vertigo and syncope.
  - b. patients who have a physical disability related to a cerebral vascular accident, arthritis, a hearing impairment, or impaired vision.
  - c. patients who have pressure sores.
  - d. a hospitalized patient who experiences a cardiac arrest.
  - e. a patient who is in shock; is hemorrhaging; and/or who experiences a myocardial infarction, a seizure, or a diabetic reaction.
4. Use Standard Precautions (routine precautions/BSP/medical asepsis) and isolation protocols appropriately.
5. Maintain safety and comfort for the patient, colleagues and self when:
  - a. using stretchers and wheelchairs.
  - b. moving, positioning, lifting and transferring.
  - c. working with patients who have tubes inserted and/or are attached to specialized equipment.
6. Use surgical (sterile) asepsis when performing the following procedures:
  - a. drawing up solutions from ampules and vials.
  - b. discontinuing an intravenous.

v **Verification**

I verify that the content of this course outline is current.



\_\_\_\_\_  
Authoring Instructor

NOV 9, 2006.

\_\_\_\_\_  
Date

I verify that this course outline has been reviewed.



\_\_\_\_\_  
Program Head/Chief Instructor

NOV 10/06

\_\_\_\_\_  
Date

I verify that this course outline complies with BCIT policy.



\_\_\_\_\_  
Dean/Associate Dean

NOV 16 2006

\_\_\_\_\_  
Date

Note: Should changes be required to the content of this course outline, students will be given reasonable notice.

## v Instructor

Connie Evans                      Office Location: SE12-435                      Office Phone: 604-432-8687  
    Office Hrs.:                      posted at desk                      E-mail Address: connie\_evans@bcit.ca

## v Learning Resources

### Required Text:

Ehrlich, R.A., McCloskey, E.D. & Daly, J.A. (2004). *Patient care in radiography* (6<sup>th</sup> ed.). St. Lois MO: Mosby.

**Packets containing the required text readings are available on reserve in the library under the following:**

Call number	NURS 1180
Title	1180 Patient Care Readings
Instructor	Connie Evans

Selected required readings from the following texts:

Kozier, B., Erb, G., Blais, K., & Wilkinson, J. (1998). *Fundamentals of nursing* (updated 5th ed.). Menlo Park, CA: Addison Wesley Longman.

Potter, P., and Perry, A. (1997). *Canadian fundamentals of nursing*. St. Louis: Mosby.

### Supplemental:

The following text may be useful in preparation for the CAMRT Certification exams. The content is in less depth than required for this course however it will serve as a quick overview and refresher in preparation for the exams.

Torres, L., Norcutt, T. and Dutton, A. (2003). *Basic Medical Techniques and Patient Care in Imaging Technology* (6th ed.). Philadelphia, PA: Lippincott Williams & Wilkins.

## v Information for Students

**Assignments:** Assignments must be done on an individual basis unless otherwise specified by the instructor. All in-class assignments must be completed and submitted. If the student is absent when an assignment is due a remedial assignment will be made available for completion and submission.

**Makeup Tests, Exams or Quizzes:** There will be **no** makeup tests, exams or quizzes. If you miss a test, exam or quiz, you will receive zero marks. Exceptions may be made for **documented** medical reasons or extenuating circumstances. In such a case, it is the responsibility of the student to inform the instructor **immediately**.

**Ethics:** BCIT assumes that all students attending the Institute will follow a high standard of ethics. Incidents of cheating or plagiarism may, therefore, result in a grade of zero for the assignment, quiz, test, exam, or project for all parties involved and/or expulsion from the course. Incidents of abuse of information technology may result in expulsion from the course.

**Attendance:** The attendance policy as outlined in the current BCIT Calendar will be enforced.

v **Information for Students (cont'd)**

**Illness:** A doctor's note is required for any illness causing you to miss assignments, quizzes, tests, projects, or exam. At the discretion of the instructor, you may complete the work missed or have the work prorated.

**Course Outline Changes:** The material or schedule specified in this course outline may be changed by the instructor. If changes are required, they will be announced in class.

**Note:**

This course utilizes self-contained modules, lectures, group discussions, co-operative learning, demonstration and laboratory practice to present the required course material. This course is designed to enable the student to understand, describe, and implement common and specific patient care skills in order to care effectively for patients in the Radiology department.

The student is expected to complete all assigned readings prior to the designated class time and to come to class prepared to discuss and participate in a constructive manner.

Assignments are designed to assist the student to integrate patient care skills into the work and routines of the Radiology department.

## Schedule

Week of/ Number	Outcome/Material Covered
	<b>Set A</b>
Wed. Jan. 10	<ol style="list-style-type: none"> <li>1. Introduction to Course <ul style="list-style-type: none"> <li>• Use of outcomes (objectives) and the textbook readings</li> </ul> </li> <li>2. Orientation to use of Lab <ul style="list-style-type: none"> <li>• Hospital bed unit</li> <li>• Use of wheelchairs and stretchers</li> <li>• Restraints and bed rails</li> <li>• Student's responsibilities in lab</li> <li>• Prevention of accidents in the lab</li> </ul> </li> </ol>
Wed. Jan. 17	<ol style="list-style-type: none"> <li>1. Body Mechanics</li> <li>2. Positioning and Moving Patients</li> <li>3. Transfers and Lifts</li> </ol>
Wed. Jan. 24	<ol style="list-style-type: none"> <li>1. <b>LAB:</b> Positioning and Moving Patients</li> <li>2. <b>LAB:</b> Transfers and Lifts</li> </ol>
Wed. Jan. 31	<ol style="list-style-type: none"> <li>1. <b>LAB:</b> Positioning and Moving Patients</li> <li>2. <b>LAB:</b> Transfers and Lifts</li> </ol>
Wed. Feb 7	<ol style="list-style-type: none"> <li>1. Medical Asepsis and Isolation Precautions</li> <li>2. Sample Exam Questions</li> <li>3. <b>LAB:</b> Handwashing Donning &amp; Removing gown, gloves and mask</li> </ol>
Wed. Feb. 14	<ol style="list-style-type: none"> <li>1. <b>MIDTERM EXAM #1</b> – 50 minutes</li> <li>2. Assessment Skills</li> </ol>

Week of/ Number	Outcome/Material Covered
Wed. Feb. 21	<ol style="list-style-type: none"> <li>1. <b>Exam Review</b></li> <li>2. Surgical Asepsis</li> <li>3. Intravenous Therapy Overview</li> <li>4. <b>LAB:</b> Discontinuing an IV Changing a gown on a patient with an infusing IV</li> </ol>
Wed. Feb. 28	<b>NO CLASS – FACULTY PD DAY</b>
Wed. Mar. 7	<ol style="list-style-type: none"> <li>1. <b>MIDTERM EXAM #2</b> – 45 minutes</li> <li>2. Patients with Physical Disabilities</li> </ol>
Wed. Mar. 14	<b>SPRING BREAK</b>
Wed. Mar. 21	<ol style="list-style-type: none"> <li>1. Exam Review</li> <li>2. Management of Tubes and Special Attachments</li> <li>3. Working with Patients Who Have Pressure Sores</li> <li>4. <b>LAB: Demonstration of Equipment</b></li> </ol>
Wed. Mar 28	<ol style="list-style-type: none"> <li>2. Pain and Abnormal Sensations</li> <li>3. The Patient's Record</li> <li>4. Incident Reports</li> </ol>

<b>Week of/ Number</b>	<b>Outcome/Material Covered</b>
Wed. Apr. 4	<ol style="list-style-type: none"><li>1. Cardiac Arrest in the Hospital</li><li>2. Medical Emergencies</li><li>3. Overview of Portable Oxygen Tanks and Cardiac Monitoring Devices</li><li>4. Evaluations</li></ol>
Wed. Apr. 11	<ol style="list-style-type: none"><li>1. Parenteral Equipment</li><li>2. <b>LAB:</b> Withdrawing Solutions from Vials and Ampoules</li></ol>
Apr. 16-20	<b>EXAM WEEK</b>

Week of/ Number	Outcome/Material Covered
	<b>Set B</b>
Mon. Jan. 8	<ol style="list-style-type: none"> <li>1. Introduction to Course <ul style="list-style-type: none"> <li>• Use of outcomes (objectives) and the textbook</li> </ul> </li> <li>2. Orientation to use of Lab <ul style="list-style-type: none"> <li>• Hospital bed unit</li> <li>• Use of wheelchairs and stretchers</li> <li>• Restraints and bed rails</li> <li>• Student's responsibilities in lab</li> <li>• Prevention of accidents in the lab</li> </ul> </li> </ol>
Mon. Jan. 15	<ol style="list-style-type: none"> <li>1. Body Mechanics</li> <li>2. Positioning and Moving Patients</li> <li>3. Transfers and Lifts</li> </ol>
Mon. Jan. 22	<ol style="list-style-type: none"> <li>1. <b>LAB:</b> Positioning and Moving Patients</li> <li>2. <b>LAB:</b> Transfers and Lifts</li> </ol>
Mon. Jan. 29	<ol style="list-style-type: none"> <li>1. <b>LAB:</b> Positioning and Moving Patients</li> <li>2. <b>LAB:</b> Transfers and Lifts</li> </ol>
Mon. Feb. 5	<ol style="list-style-type: none"> <li>1. Medical Asepsis and Isolation Precautions</li> <li>1. Sample Exam Questions</li> <li>2. <b>LAB:</b> Handwashing Donning &amp; Removing Gown, Gloves, and Mask</li> </ol>
Mon. Feb. 12	<ol style="list-style-type: none"> <li>1. <b>MIDTERM EXAM</b> – 45 minutes</li> <li>2. Assessment Skills</li> </ol>

Week of/ Number	Outcome/Material Covered
Mon. Feb. 19	<ol style="list-style-type: none"> <li>1. Exam Review</li> <li>2. Surgical Asepsis</li> <li>3. Intravenous Therapy Overview</li> <li>3. <b>LAB:</b> Discontinuing an IV Changing a gown on a patient with an infusing IV</li> </ol>
Mon. Feb. 26	<ol style="list-style-type: none"> <li>1. Parenteral Equipment</li> <li>2. <b>LAB:</b> Withdrawing Solutions from Vials and Ampoules</li> </ol>
Mon. Mar. 5	<p><b>MIDTERM EXAM – 45 minutes</b></p> <ol style="list-style-type: none"> <li>2. Patients with Physical Disabilities</li> </ol>
Mon. Mar. 12	<b>SPRING BREAK</b>
Mon. Mar. 19	<ol style="list-style-type: none"> <li>1. Exam Review</li> <li>2. Management of Tubes and Special Attachments</li> <li>3. Working with Patients Who Have Pressure Sores</li> <li>4. <b>LAB:</b> Demonstration of Equipment</li> </ol>
Mon. Mar. 26	<ol style="list-style-type: none"> <li>1. Pain and Abnormal Sensations</li> <li>2. The Patient's Record</li> <li>3. Incident Reports</li> </ol>
Mon. April 2	<ol style="list-style-type: none"> <li>1. Cardiac Arrest in the Hospital</li> <li>2. Medical Emergencies</li> <li>3. Overview of Portable Oxygen Tanks and Cardiac Monitoring Devices</li> <li>4. Course Evaluation and Instructor Evaluation</li> </ol>
Mon. Apr. 9	<b>EASTER MONDAY</b>
Mon. Apr. 16-20	<b>EXAM WEEK</b>

**Schedule**

Week of/ Number	Outcome/Material Covered
	<b>Set C</b>
Mon. Jan. 8	<ol style="list-style-type: none"> <li>1. Introduction to Course <ul style="list-style-type: none"> <li>• Use of outcomes (objectives) and the textbook</li> </ul> </li> <li>2. Orientation to use of Lab <ul style="list-style-type: none"> <li>• Hospital bed unit</li> <li>• Use of wheelchairs and stretchers</li> <li>• Restraints and bed rails</li> <li>• Student's responsibilities in lab</li> <li>• Prevention of accidents in the lab</li> </ul> </li> </ol>
Mon. Jan. 15	<ol style="list-style-type: none"> <li>1. Body Mechanics</li> <li>2. Positioning and Moving Patients</li> <li>3. Transfers and Lifts</li> </ol>
Mon. Jan. 22	<ol style="list-style-type: none"> <li>1. <b>LAB:</b> Positioning and Moving Patients</li> <li>2. <b>LAB:</b> Transfers and Lifts</li> </ol>
Mon. Jan. 29	<ol style="list-style-type: none"> <li>1. <b>LAB:</b> Positioning and Moving Patients</li> <li>2. <b>LAB:</b> Transfers and Lifts</li> </ol>
Mon. Feb. 5	<ol style="list-style-type: none"> <li>1. Medical Asepsis and Isolation Precautions</li> <li>2. Sample Exam Questions</li> <li>4. <b>LAB:</b> Handwashing Donning &amp; Removing Gown, Gloves, Masks</li> </ol>
Mon. Feb. 12	<ol style="list-style-type: none"> <li>1. <b>MIDTERM EXAM</b> – 45 minutes</li> <li>2. Assessment Skills</li> </ol>

Week of/ Number	Outcome/Material Covered
Mon. Feb. 19	<ol style="list-style-type: none"> <li>1. Exam Review</li> <li>2. Surgical Asepsis</li> <li>3. Intravenous Therapy Overview</li> <li>4. <b>LAB:</b> Discontinuing an IV Changing a gown on a patient with an infusing IV</li> </ol>
Mon. Feb. 26	<ol style="list-style-type: none"> <li>1. Parenteral Equipment</li> <li>2. <b>LAB:</b> Withdrawing Solutions from Vials and Ampoules</li> </ol>
Mon. Mar. 5	<ol style="list-style-type: none"> <li>1. <b>MIDTERM EXAM</b> – 45 minutes</li> <li>2. Patients with Physical Disabilities</li> </ol>
Mon. Mar. 12	<b>SPRING BREAK</b>
Mon. Mar. 19	<ol style="list-style-type: none"> <li>1. Exam Review</li> <li>2. Management of Tubes and Special Attachments</li> <li>3. Working with Patients Who Have Pressure Sores</li> <li>4. <b>LAB:</b> Demonstration of Equipment</li> </ol>
Mon. Mar. 26	<ol style="list-style-type: none"> <li>1. Pain and Abnormal Sensations</li> <li>2. The Patient's Record</li> <li>3. Incident Reports</li> </ol>

<b>Week of/ Number</b>	<b>Outcome/Material Covered</b>
Mon. April 2	<ol style="list-style-type: none"><li>1. Cardiac Arrest in the Hospital</li><li>2. Medical Emergencies</li><li>3. Overview of Portable Oxygen Tanks and Cardiac Monitoring Devices</li><li>4. Course Evaluation and Instructor Evaluation</li></ol>
Mon. Apr. 9	<b>Easter Monday</b>
Apr. 16 - 20	<b>EXAM WEEK</b>

Week of/ Number	Outcome/Material Covered
	<b>Set D</b>
Fri. Jan. 12	<ol style="list-style-type: none"> <li>1. Introduction to Course <ul style="list-style-type: none"> <li>• Use of outcomes (objectives) and the textbook</li> </ul> </li> <li>2. Orientation to use of Lab <ul style="list-style-type: none"> <li>• Hospital bed unit</li> <li>• Use of wheelchairs and stretchers</li> <li>• Restraints and bed rails</li> <li>• Student's responsibilities in lab</li> <li>• Prevention of accidents in the lab</li> </ul> </li> </ol>
Fri. Jan. 19	<ol style="list-style-type: none"> <li>1. Body Mechanics</li> <li>2. Positioning and Moving Patients</li> <li>3. Transfers and Lifts</li> </ol>
Fri. Jan. 26	<ol style="list-style-type: none"> <li>1. <b>LAB:</b> Positioning and Moving Patients</li> <li>2. <b>LAB:</b> Transfers and Lifts</li> </ol>
Fri. Feb. 2	<ol style="list-style-type: none"> <li>1. <b>LAB:</b> Positioning and Moving Patients</li> <li>2. <b>LAB:</b> Transfers and Lifts</li> </ol>
Fri. Feb. 9	<ol style="list-style-type: none"> <li>1. Medical Asepsis and Isolation Precautions</li> <li>2. Sample Exam Questions</li> <li>3. <b>LAB:</b> Handwashing Donning &amp; Removing Gown, Gloves and Mask</li> </ol>
Fri. Feb. 16	<ol style="list-style-type: none"> <li>1. <b>MIDTERM EXAM</b> – 45 minutes</li> <li>2. Assessment Skills</li> </ol>

Week of/ Number	Outcome/Material Covered
Fri. Feb. 23	<ol style="list-style-type: none"> <li>1. Exam Review</li> <li>2. Surgical Asepsis</li> <li>3. Intravenous Therapy Overview</li> <li>4. <b>LAB:</b> Discontinuing an IV Changing a gown on a patient with an infusing IV</li> </ol>
Fri. Mar. 2	<ol style="list-style-type: none"> <li>1. Parenteral Equipment</li> <li>2. <b>LAB:</b> Withdrawing Solutions from Vials and Ampoules</li> </ol>
Fri. Mar. 9	<ol style="list-style-type: none"> <li>1. <b>MIDTERM EXAM</b> – 45 minutes</li> <li>2. Patients with Physical Disabilities</li> </ol>
Fri. Mar. 16	<b>SPRING BREAK</b>
Fri. Mar. 23	<ol style="list-style-type: none"> <li>1. Exam Review</li> <li>2. Management of Tubes and Special Attachments</li> <li>3. Working with Patients Who Have Pressure Sores</li> <li>4. <b>LAB:</b> Demonstration of Equipment</li> </ol>
Fri. Mar. 30	<ol style="list-style-type: none"> <li>1. Pain and Abnormal Sensations</li> <li>2. The Patient's Record</li> <li>4. Incident Reports</li> <li>5. Course Evaluation and Instructor Evaluation</li> </ol>
Fri. Apr. 6	<b>GOOD FRIDAY</b>
Fri. Apr. 13	<ol style="list-style-type: none"> <li>1. Cardiac Arrest in the Hospital</li> <li>2. Medical Emergencies</li> <li>3. Overview of Portable O2 tanks and Cardiac Monitoring Devices</li> </ol>

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<b>Week of/ Number</b>	<b>Outcome/Material Covered</b>
Fri. Apr. 16-20	<b>EXAM WEEK</b>

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**Appendix: Radiological Technology Competency Profile**

The following competencies are addressed in NURS 1180: Patient Care I

- A4 Perform patient positioning and related tasks**
- C1 Ensure patient safety**
- C2 Establish patient trust and confidence**
- C3 Attend to the patient's comfort and needs**
- C4 Perform patient care procedures**
- C5 Assist in the administration of contrast media and other pharmaceuticals**
- C6 Ensure the confidentiality of patient information**
- E1 Function within legal and ethical guidelines**
- E2 Demonstrate professional behaviour**
- E3 Demonstrate professional responsibility**