



A POLYTECHNIC INSTITUTION

School of Health Sciences  
Program: Medical Radiography  
Option:

**NURS 2180**  
**Patient Care 2**

**Start Date:** September, 2005

**End Date:** December, 2005

**Total Hours:** 35 **Total Weeks:** 8

**Term/Level:** 2 **Course Credits:** 2.5

**Hours/Week:** 5 **Lecture:** varies **Lab:** varies **Shop:** **Seminar:** **Other:**

**Prerequisites**

Course No.	Course Name
NURS 1180	Patient Care 1

**NURS 2180 is a Prerequisite for:**

Course No.	Course Name
MRAD 3309	Special Procedures
MRAD 3315	Case Studies 2
MRAD 3316	Radiographic Procedures 3

**v Course Description**

This second section of the two-part Patient Care course is a continuation of the material presented in NURS 1180 — Patient Care 1. 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 additional 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 60% or better. 2. successfully complete the Student Progress Sheet. 3. complete all assignments.
Midterm Exam #2	25%	
Final Exam	50%	
<b>TOTAL</b>	<u>100%</u>	

## v Course Learning Outcomes/Competencies

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

1. Maintain safety and comfort for self, the patient, and colleagues when:
  - a. assessing temperature, pulse, respirations, blood pressure and oxygen saturation
  - b. initiating oxygen therapy
  - c. performing oral pharyngeal suctioning
  - d. maintaining intravenous infusions
  - e. entering the operating room
  - f. assisting patients with elimination needs
  - g. administering a cleansing enema
  - h. working with patients attached to a cardiac monitoring device.
2. Use surgical asepsis when performing the following procedures:
  - a. setting up a sterile field
  - b. applying a sterile dressing
  - c. carrying out a surgical scrub
  - d. donning a sterile gown and gloves.
3. Explain the required interventions when working with patients who are:
  - a. violent or who have the potential to be violent
  - b. scheduled for a procedure for which an anaesthetic agent is required
  - c. recovering from a spinal injury
  - d. unconscious.
4. Describe the emotional climate in critical care areas and the skills required to be able to function in that environment.
5. Communicate significant data to other health care personnel.

**v Verification**

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

*Em Fraser*  
Authoring Instructor

*July 13/04*  
Date

I verify that this course outline has been reviewed.

*Ane Dawson*  
Program Head/Chief Instructor

*July 13/04*  
Date

I verify that this course outline complies with BCIT policy.

*Greeman*  
Dean/Associate Dean

*July 13/04*  
Date

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

**v Instructor(s)**

Elaine Fraser                      Office Location: SE12-435                      Office Phone: 604-432-8468  
Office Hrs.: posted at desk                      E-mail Address: Elaine\_Fraser@bcit.ca

**v Learning Resources****Required:**

Selected required readings from the following texts:

Kozier, B., Erb, G., Berman, A., & Snyder, S. (2004). *Fundamentals of nursing: Concepts, process and practice* (7th ed.). Upper Saddle River, NJ: Pearson Education.

Kozier, B., Erb, G., Berman, A., Burke, K., Bouchal, D., & Hirst, S. (2000). *Fundamentals of nursing: The nature of nursing practice in Canada*. Toronto: Prentice-Hall.

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

Call number	<b>RES NURS 2180</b>
Title	NURS 2180 Patient Care Readings
Instructor	Elaine Fraser

One additional required reading on the topic of Spinal Injuries is also on reserve in the library under:

Call number	<b>B-29</b>
Title	Emergency Management and Transfer of the Individual with a Suspected or Confirmed Spinal Cord Injury
Instructor	Elaine Fraser

**Supplemental:**

The following texts 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.

Ehrlich, R., McCloskey, E. and Daly, J. (2004). *Patient Care in Radiography* (6th ed.). St. Louis, MO: Mosby.

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.

**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.

**Attempts:** Students must successfully complete a course within a maximum of three attempts at the course. Students with two attempts in a single course will be allowed to repeat the course only upon special written permission from the Associate Dean. Students who have not successfully completed a course within three attempts will not be eligible to graduate from the appropriate program.

**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 handouts, lectures, group discussions, co-operative learning, demonstration and laboratory practice to cover 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 is expected 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.

## v Assignment Details

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.

### Schedule

Week of/ Number	Outcome/Material Covered
A/B	
Mon. Sept. 5	<b>LABOUR DAY</b>
Fri. Sept. 9	<ol style="list-style-type: none"> <li>1. Introduction to the course</li> <li>2. Re-evaluation of Level 1 content</li> </ol>
Mon. Sept. 12	<ol style="list-style-type: none"> <li>1. Blood Pressure (<i>tested on MT #1</i>)</li> <li>2. LAB: Assessment of Blood Pressure</li> </ol>
Fri. Sept. 16	<ol style="list-style-type: none"> <li>1. Surgical Asepsis - Establishing and Maintaining a Sterile Field (<i>tested on MT #1</i>)</li> </ol>
Mon. Sept. 19	<ol style="list-style-type: none"> <li>1. I.V. Therapy – Part 1</li> <li>2. LAB: Work with IV Equipment - IV Lab #1</li> </ol>
Fri. Sept. 23	<ol style="list-style-type: none"> <li>1. LAB: Establishing a Sterile Field Opening Sterile Packages Open Gloving</li> </ol>
Mon. Sept. 26	<ol style="list-style-type: none"> <li>1. Respiratory Distress &amp; Oxygen Therapy (<i>tested on MT #1</i>)</li> <li>2. Pharyngeal Suctioning (<i>tested on MT #1</i>)</li> <li>3. Cardiac Monitoring Devices (<i>tested on MT #1</i>)</li> <li>4. LAB: Use of Oxygen and Suction Equipment Removing and Re-attaching a Patient to a Cardiac Monitoring Device</li> <li>5. LAB: Bedpans and Urinals Enema Tip Insertion</li> </ol>
Fri. Sept. 30 (in 4076)	<b>MID TERM EXAM #1</b>

Week of Number	Outcome/Material Covered
Mon. Nov. 7	<ol style="list-style-type: none"> <li>1. Exam Review</li> <li>2. Meeting Elimination Needs</li> <li>3. Administering a Cleansing Enema</li> <li>4. LAB: Bedpans and Urinals (review) Use of Attends, Benefits, Depends</li> </ol>
Wed. Nov. 9	<ol style="list-style-type: none"> <li>1. The Critically Ill Patient</li> <li>2. Application of a Sterile Dressing</li> <li>3. LAB: Remove and Apply a Sterile Dressing</li> </ol>
Fri. Nov. 11	<b>REMEMBRANCE DAY</b>
Mon. Nov. 14	<ol style="list-style-type: none"> <li>1. Entering the Operating Room</li> <li>2. Scrubbing, Gowning &amp; Gloving for the OR</li> <li>3. LAB: Surgical Scrub (simulated) Donning a Surgical Gown Closed Gloving Technique</li> </ol>
Wed. Nov. 16	<ol style="list-style-type: none"> <li>1. Temperature, Pulse, Respirations</li> <li>2. Pulse Oximetry</li> <li>3. LAB: Assessment of T, P, R Measuring Oxygen Saturation</li> </ol>
Fri. Nov. 18 (in 4076)	<b>MIDTERM EXAM #2</b>
Mon. Nov. 21	<ol style="list-style-type: none"> <li>1. I.V. Therapy – Part 1 Review</li> <li>2. I.V. Therapy – Part 2</li> </ol>
Wed. Nov. 23	1. LAB: Work with IV Equipment - IV Lab #2
Fri. Nov. 25 (in 4076)	<ol style="list-style-type: none"> <li>1. Exam Review</li> <li>2. The Unconscious Patient</li> </ol>

Week of/ Number	Outcome/Material Covered
Mon. Nov. 28	<ol style="list-style-type: none"> <li>1. Spinal Injuries</li> <li>2. LAB: 3-person Lateral Move and Turn Assess Spinal Alignment Place a Cassette Under a Person with a Spinal Injury</li> </ol>
Wed. Nov. 30 (in 4076)	<ol style="list-style-type: none"> <li>1. Care of the Anesthetized Patient</li> <li>2. Working with the Violent Individual</li> </ol>
Fri. Dec. 2 (in 4076)	<ol style="list-style-type: none"> <li>1. Course and Instructor Evaluations</li> <li>2. Make-up class if required</li> </ol>
Mon. Dec. 5 Wed. Dec. 7 Fri. Dec. 9	No Scheduled Classes – Make-up classes or Review (by appointment)
Dec. 12 - 16	<b>EXAM WEEK</b>

Week of/ Number	Outcome/Material Covered
C/D	
Wed. Sept. 8	<ol style="list-style-type: none"> <li>1. Introduction to the course</li> <li>2. Re-evaluation of Level 1 content</li> <li>3. Surgical Asepsis - Establishing and Maintaining a Sterile Field <i>(tested on MT #1)</i></li> </ol>
Wed. Sept. 14	<ol style="list-style-type: none"> <li>1. Blood Pressure <i>(tested on MT #1)</i></li> <li>2. LAB: Establishing a Sterile Field Opening Sterile Packages Open Gloving</li> </ol>
Wed. Sept. 21	<b>SHINERAMA DAY – NO CLASSES</b>
Wed. Sept. 28	<ol style="list-style-type: none"> <li>1. LAB: Assessment of Blood Pressure</li> <li>2. Respiratory Distress &amp; Oxygen Therapy <i>(tested on MT #1)</i></li> <li>3. Pharyngeal Suctioning <i>(tested on MT #1)</i></li> <li>4. Cardiac Monitoring Devices <i>(tested on MT #1)</i></li> </ol>
Mon. Oct. 3	<ol style="list-style-type: none"> <li>1. Respiratory Distress &amp; Oxygen Therapy (cont'd)</li> <li>2. Pharyngeal Suctioning (cont'd)</li> <li>3. Cardiac Monitoring Devices (cont'd)</li> <li>4. LAB: Use of Oxygen and Suction Equipment Removing and Re-attaching a Patient to a Cardiac Monitoring Device</li> </ol>
Wed. Oct. 5	<ol style="list-style-type: none"> <li>1. Meeting Elimination Needs</li> <li>2. Administering a Cleansing Enema</li> <li>3. LAB: Bedpans and Urinals Use of Attends, Benefits, Depends Enema Tip Insertion</li> </ol>
Fri. Oct. 7 (in 4076)	<b>MID TERM EXAM #1</b>
Mon. Oct. 10	<b>THANKSGIVING DAY</b>
Wed. Oct. 12	<ol style="list-style-type: none"> <li>1. Application of a Sterile Dressing</li> <li>2. LAB: Remove and Apply a Sterile Dressing</li> </ol>

Week of/ Number	Outcome/Material Covered
Fri. Oct. 14 (in 4076)	<ol style="list-style-type: none"> <li>1. Exam Review</li> <li>2. The Critically Ill Patient</li> </ol>
Mon. Oct. 17	<ol style="list-style-type: none"> <li>1. Entering the Operating Room</li> <li>2. Scrubbing, Gowning &amp; Gloving for the OR</li> <li>3. LAB: Surgical Scrub (simulated) Donning a Surgical Gown Closed Gloving Technique</li> </ol>
Wed. Oct. 19	<ol style="list-style-type: none"> <li>1. Temperature, Pulse, Respirations</li> <li>2. Pulse Oximetry</li> <li>3. LAB: Assessment of T, P, R Measuring Oxygen Saturation</li> </ol>
Fri. Oct. 21 (in 4076)	<b>MIDTERM EXAM #2</b>
Mon. Oct. 24	<ol style="list-style-type: none"> <li>1. I.V. Therapy – Part 1</li> <li>2. LAB: Work with IV Equipment - IV Lab #1</li> </ol>
Wed. Oct. 26	<ol style="list-style-type: none"> <li>1. I.V. Therapy – Part 2</li> <li>2. LAB: Work with IV Equipment - IV Lab #2</li> </ol>
Fri. Oct. 28 (in 4076)	<ol style="list-style-type: none"> <li>1. Exam Review</li> <li>2. The Unconscious Patient</li> </ol>
Mon. Oct. 31	<ol style="list-style-type: none"> <li>1. Spinal Injuries</li> <li>2. LAB: 3-person Lateral Move and Turn Assess Spinal Alignment Place a Cassette Under a Person with a Spinal Injury</li> </ol>
Wed. Nov. 2 (in 4076)	<ol style="list-style-type: none"> <li>1. Working with the Violent Individual</li> <li>2. Care of the Anesthetized Patient</li> </ol>
Fri. Nov. 4 (in 4076)	<ol style="list-style-type: none"> <li>1. Course and Instructor Evaluations</li> <li>2. Make-up class if required</li> </ol>
Dec. 12 – 16	<b>EXAM WEEK</b>

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**Appendix: Radiological Technology Competency Profile**

The following competencies are addressed in NURS 2180: Patient Care 2

**A2 Prepare work environment for imaging procedures**

- A2.1
- A2.3

**A3 Perform pre-procedural tasks**

- A3.1
- A3.4
- A3.6
- A3.7
- A3.8
- A3.9

**A4 Perform patient positioning and related tasks**

- A4.3
- A4.7
- A4.12

**A8 Complete post-procedural tasks**

- A8.3

**C1 Ensure patient safety**

- C1.2
- C1.5
- C1.6

**C2 Establish patient trust and confidence**

- C2.3
- C2.4
- C2.5

**C3 Attend to the patient's comfort and needs**

- C3.2
- C3.3
- C3.5

**C4 Perform patient care procedures**

- C4.2
- C4.3
- C4.8
- C4.9

**C5 Assist in the administration of contrast media and other pharmaceuticals**

C5.6

C5.9

C5.10

C5.13

**E1 Function within legal and ethical guidelines**

E1.1

**E2 Demonstrate professional behaviour**

E2.3