Course Outline

A POLYTECHNIC INSTITUTION

School of Health Sciences
Program: Bachelor of Technology in Radiation Therapy
Option:

NURS 5102
Patient Care

Start Date:	September 2004			**End Date:**	December 2004		
Total Hours:	56	**Total Weeks:**	15	**Term/Level:**	5	**Course Credits:**	3.5
Hours/Week:	4	**Lecture:**	Varies	**Lab:**	Varies	**Other:**	

Prerequisites

Course No.	Course Name
None.	

NURS 5102 is a Prerequisite for:

Course No.	Course Name
RADT 5501	Clinical Experience 1
RADT 8103	Care of the Oncology Patient

■ Course Description

The course provides a solid theory base for the delivery of safe patient care in potentially unstable or unpredictable situations. An introduction to the hospital environment, health problems of the patient, and the basic safety and comfort aspects to be considered when working with patients, carrying out a variety of procedures and working with equipment in the patient's environment are included along with content on legal and ethical issues in health care. Common emergencies, laboratory tests and pharmaceuticals specific to the Radiation Therapy department are included as well as an overview of Pediatric growth and development. A variety of patient care skills and procedures are practiced in the context of their use within the Radiation Therapy department and are reinforced using a variety of teaching and learning techniques.

■ Detailed Course Description

The student will be able to:

- interpret the significance of a variety of patient behaviours in predictable and unpredictable patient care situations.
- apply critical thinking skills when selecting appropriate interventions to implement in selected patient care situations that arise within the Radiation Therapy department.
- evaluate the effectiveness of patient care measures selected for a variety of situations.

■ Evaluation

Midterm Examinations (2)	30%
Final Examination	35%
	35%
TOTAL	100%

Comments:

To successfully pass this course, the student must:

1. achieve a final course grade of 60% or better.
2. successfully complete the Student Progress Sheet.
3. complete and submit all assignments.

■ Course Learning Outcomes/Competencies

Upon successful completion, the student will be able to:

1. Assess safety and comfort measures for the patient, colleagues and self when:
   a. assessing temperature, pulse, respirations and blood pressure
   b. assessing the patient's weight
   c. moving, positioning, lifting and transferring
   d. assisting patients to meet their need for elimination
   e. assisting patients to dress and undress
   f. maintaining intravenous infusions
   g. working with patients who have tubes inserted and/or are attached to specialized equipment
   h. initiating oxygen therapy
   i. performing suctioning via the oral pharyngeal and tracheostomy routes.

2. Apply Standard (or Routine) Precautions and Transmission Based (Isolation) Precautions to a variety of patient care situations.

3. Adapt the principles of surgical asepsis to the following procedures:
   a. applying a sterile dressing
   b. carrying out a surgical scrub.

4. Select appropriate safety and comfort measures for the patient, family members, colleagues and self in a variety of Pediatric Radiation Therapy situations.

5. Select the required interventions when working with:
   a. patients who have a physical and/or mental challenge
   b. patients experiencing nausea, pain, epistaxis, a cardiac arrest or anaphylactic shock
   c. a patient who is in shock; is hemorrhaging; is unconscious; and/or who is experiencing a seizure or a diabetic reaction
   d. patients who are dying
   e. patients who have pressure sores
   f. patients who are unconscious
   g. individuals who are violent or who have the potential to be violent
   h. ostomy patients.

6. Outline the role(s) health professionals fulfill within the provincial and national health care systems.

7. Explain the uses, mode of action, contraindications, side effects, and patient care implications for pharmaceuticals administered in the Radiation Therapy department.

8. Assess the results of common laboratory tests and the appropriate actions to implement.

9. Assess the safety of patients during a fire and the appropriate actions to implement.

10. Evaluate the ethical responsibilities of the Radiation Therapy technologist in a variety of patient care situations.

■ Course Learning Outcomes/Competencies (cont'd.)

11. Assess the legal responsibilities of the Radiation Therapy technologist related to:
    a. documentation in the patient's record
    b. informed consent
    c. incident reports.

12. Assess all patient situations when implementing care to ensure the patient's privacy and modesty is protected.

■ Verification

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

K Anders — Authoring Instructor — July 21/04 — Date

I verify that this course outline has been reviewed.

L M Fraser — Program Head/Chief Instructor — July 21/04 — Date

I verify that this course outline complies with BCIT policy.

Freeman — Dean/Associate Dean — July 21/04 — Date

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

■ Instructor(s)

Kathaleen Appleby

Office Location: SE12–418
Office Hrs.: Posted at desk
Office Phone: 604-451-6949
E-mail Address: kappleby@bcit.ca

■ Learning Resources

Required:

Selected required readings from the following texts:

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

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

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

Call number	NURS 5102
Title	5102 Patient Care Reading Binder
Instructor	Kathaleen Appleby

■ Information for Students

(Information below can be adapted and supplemented as necessary.)

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.

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.

■ Information for Students (cont'd.)

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.

■ Assignment Details

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 Radiation Therapy 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 Radiation Therapy department.

Schedule

Week	Date	Course Learning Outcomes
1	Monday September 6	**LABOUR DAY — BCIT CLOSED**
	Friday September 10	1. Introduction to Course • Outcomes, Use of Materials, Readings 2. Orientation to Lab • Hospital Bed Unit • Wheelchairs and Stretchers • Restraints and Bed Rails • Student's Responsibilities in the Lab • Preventing Accidents in the Lab 3. The Health Care Team 4. Ethical and Legal Responsibilities
2	Monday September 13	1. Body Mechanics 2. Positioning and Moving Patients 3. **LAB:** Fire Carries Positioning and Moving Patients
	Friday September 17	1. Transfers and Lifts 2. **LAB:** Transfers and Lifts
3	Monday September 20	1. Medical Asepsis 2. Surgical Asepsis 3. Isolation Precautions 4. **LAB:** Handwashing
	Friday September 24	1. Assessment Skills 2. Common Laboratory Values 3. The Patient's Chart
4	Monday September 27	1. Informed Consent 2. Incident Report 3. Patient's Rights/Permission to Touch
	Friday October 1	1. Temperature, Pulse, Respiration & Oximetry 2. Blood Pressure 3. Weight 4. **LAB:** Temperature, Pulse, Respirations, Blood Pressure Measurement, Oximetry Monitoring

Week	Date	Course Learning Outcomes
5	Monday October 4	1. TPR Lab (cont'd.)
	Friday October 8	1. Admitting a Patient 2. Working with Patients who have Pressure Sores 3. Promoting Patient Safety and Comfort
6	Monday October 11	**THANKSGIVING — BCIT CLOSED**
	Friday October 15	1. Entering the Operating Room 2. **LAB:** Sterile Procedures Opening Gloves Opening Sterile Packages Setting Up Sterile Trays
7	Monday October 18	**MIDTERM EXAM #1**
	Friday October 22	1. Meeting Elimination Needs 2. **LAB:** Bedpans and Urinals Use of Attends, Benefits, Depends
8	Monday October 25	1. Exam Review 2. The Critically Ill Patient 3. The Unconscious Patient 4. The Anesthetized Patient 5. The Palliative Patient
	Friday October 29	1. Dressing and Undressing Patients 2. **LAB:** Dressing and Undressing Patients Moving and Position the Unconscious and Anaesthetized Patients
9	Monday November 1	1. Management of Tubes and Special Attachments
	Friday November 5	1. Patients with Physical and Mental Challenges Disabilities 2. Abnormal Sensations • Nausea • Pain • Epistaxis • Cardiac arrest
10	Monday November 8	1. Respiratory Distress 2. Respiratory Distress and Oxygen Therapy 3. Suctioning: Pharyngeal and Tracheostomy Routes 4. **LAB:** Suctioning Oxygen Therapy/Equipment

Week	Date	Course Learning Outcomes
	Friday November 12	1. Intravenous Therapy 2. Pharmaceuticals (Contrast Media) Use, Mode of Action, Contraindications, Side Effects, Pt. Care Implication
11	Monday November 15	1. **LAB:** Use of IV Equipment
	Friday November 19	**MIDTERM EXAM #2**
12	Monday November 22	1. Exam Review 2. Working with the Violent Individual 3. Dressing Changes (Sterile) 4. **LAB:** Dressing Changes
	Friday November 26	1. Ostomy Care 2. Patient Teaching
13	Monday November 29	1. Medical Emergencies 2. Cardiac Arrest 3. **LAB:** Cardiac Arrest
	Friday December 3	1. Completion of Student Progress Sheet 2. Course Evaluation 3. Instructor Evaluation
14	December 6–10	**EXAM WEEK**