



A POLYTECHNIC INSTITUTION

Course Outline

School of Health Sciences
Program: Medical Radiography Technology
Option:

MRAD 2210
Clinical Education

Start Date:	October 2, 2006	End Date:	December 8, 2006
Total Hours:	175	Total Weeks:	5
Term/Level:	2	Course Credits:	7
Hours/Week:	35 – based on 7 hour working day (excluding breaks)		

Prerequisites

Course No. **Course Name**
All Level 1 Courses

MRAD 2210 is a Prerequisite for:

Course No. **Course Name**
MRAD Level 3

Course Description

The goal of this course is to provide the necessary radiographic experiences for the student to continue to gain confidence with an advanced skill set learned at BCIT. Students will be expected to demonstrate competence in the following procedures: upper and lower extremities (including trauma patients), shoulder girdle, pelvis and hip, non-ambulatory chest and abdomen, non-traumatic vertebra and routine fluoroscopy. Opportunities will be provided for students to apply patient care knowledge in a clinical environment and to demonstrate a high standard of professional behaviours.

Course Learning Outcomes/Competencies

The course outcomes correspond with the CAMRT competency profile. Upon successful completion, the student will be able to:

1. prepare the radiographic room for the examination to be done.
2. provide satisfactory patient care for all patients associated with the course requirements, with the exception of trauma patients.
3. communicate effectively with the patient prior to and during the examination.
4. interact appropriately with all members of the health care team.
5. apply satisfactory positioning technique skills for all examinations of the course requirements.
6. handle the required equipment in a competent manner.
7. carry out acceptable radiation safety precautions for patients, staff and self at all times.
8. interpret patient requisition with minimal assistance.
9. document information as necessary for each procedure carried out.
10. competently critique radiographs associated with selected contracted area.
11. organize work effectively.
12. demonstrate professional behaviours and attitudes.

Grading

This course has a grade of **Satisfactory** or **Unsatisfactory**. In order to successfully complete Level 2 clinical, students must complete the workbook requirements, successfully achieve three procedure evaluations, demonstrate sterile technique competency and have successful weekly formative evaluations.

Workbook Requirements

It is the **student's responsibility** to ensure completion of all clinical workbook requirements. These requirements must be successfully completed in order to proceed into Level 3. The Level 2 requirements consist of:

- department orientation
- equipment familiarization
- pathology correlations
- technique correlations
- upper skeletal, spine and thoracic cage procedures
- lower skeletal and pelvic girdle procedures
- chest and abdomen procedures
- fluoroscopic procedures

In addition to the above all students must successfully complete:

- blood pressure readings
- pathology assignments
- applied theory assignments

Students are allowed to work on all the requirements for all of the areas simultaneously. It is the student's responsibility to document the necessary activities and obtain the required signatures for work completed.

Competency Procedural Evaluations:

Students must successfully complete **four (4) competency evaluations** in Level 2 in order to proceed into the next clinical level. Competency evaluations may be attempted once a minimum of 75% of the workbook requirements have been attained. In addition to demonstrating competence on sterile technique, students must successfully perform three (3) procedure evaluations on a minimum of "type 2" cases:

- transfemoral hip **or** shoulder evaluation (including axillary view)
- spine (with obliques) **or** stretcher chest
- multi view abdomen **or** double contrast enema (with overheads)

Repeat evaluations:

If the first evaluation is unsuccessful then:

- a) student must perform 1 unassisted case of the same anatomical area before attempting another evaluation.
- b) repeat the evaluation.

* The deadline for achieving successful evaluations is the last clinical day.

** Students will not be allowed to change anatomical areas from their selected 1st evaluation, e.g., upper, lower extremities, chest, abdomen.

If the second evaluation is unsuccessful, the student will repeat steps a) and b) above.

The student can continue in this manner until a successful evaluation is obtained or the clinical term has ended.

Formative Evaluations

Students will be evaluated on their overall clinical skills on an ongoing basis by the clinical instructor and staff technologists. The evaluated skills include technical, patient care interpersonal and professional behaviours.

In consultation with the clinical instructor, students will request technologists to complete the formative evaluations. Each attribute on the assessment form will be marked by 1 – 4, indicating the consistency of a skill or behaviour. On the bottom of the form is the grading scheme which determines the outcome of the assessment.

Evaluations are done every week and additional formative evaluations are completed at the discretion of the CI. Additional assessments will also be completed in the event of unsatisfactory evaluations. Failure to improve will result in intervention by the clinical coordinator/program head.

Withdrawal from Clinical Education

Mandatory Withdrawal

Students will be withdrawn from the clinical environment if they are unable to physically engage and undertake all required activities. Withdrawal from clinical will also be required if students consistently fail to achieve the minimum acceptable standards in one or all of the following areas:

- adherence to BCIT and assigned department policies and procedures

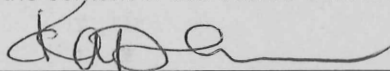
- patient care and safety
- positioning skills
- interpersonal relationships
- professional behaviours and attitudes
- radiation safety
- equipment handling
- **breach of patient confidentiality**

Voluntary Withdrawal

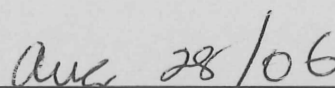
Students may voluntarily withdraw from Clinical Education. Counselling with respect to career choices is available to all students.

Verification

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

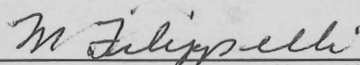


Authoring Instructor – Dori Kaplun



Date

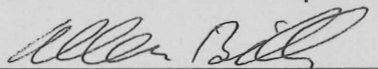
I verify that this course outline has been reviewed.



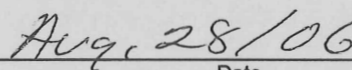
Program Head - Mary Filippelli

Date

I verify that this course outline complies with BCIT policy.



Associate Dean- Allen Billy



Date

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

Instructors

The student will gain experience under the **direct supervision** of the instructor / hospital technologist. Instructor contact information is found on the BCIT clinical website.

Learning Resources

Required:

Clinical workbook

R and L markers

Tape measure

Pens, felt tip and ballpoint

Regulation uniform and shoes

Name tag/ID, TLD

Student clinical positioning handbook

program required textbooks

Information for Students

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

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.

Misconduct: Students are expected to conduct themselves appropriately at all times. This applies to any institutional related activity on or off campus. Misconduct is defined as any action that is detrimental to the interest of the Institute or safety of others can be found on the BCIT website

If it appears to be a criminal matter, the Director of Safety and Security will be notified and consulted.

All institute policies are available for review at <http://www.bcit.ca/files/pdf/policies/5002.pdf>.