



## Course Outline

BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

Operating Unit: Health Sciences

Program: Medical Radiography Technology

Option:

**MRAD 2200**

**Clinical Education**

**Start Date:** October 2000

**End Date:** December 2000

**Course Credits:** 5.5

**Term/Level:** 2

**Total Hours:** 140

**Total Weeks:** 4

Hours/Week: 35	Lecture:	Lab:	Shop:	Seminar:	Other:
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### Prerequisites

**MRAD 2200 is a Prerequisite for:**

Course No.	Course Name
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Course No.	Course Name
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MRAD 2200	Clinical Experience
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MRAD 3300	Clinical Education
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### Course Calendar Description

To provide students with clinical experience in the hospital setting.

### Course Goals

To provide the necessary radiographic experiences for the student to gain confidence with the skill set learned at BCIT. To provide an opportunity for the student to apply patient care knowledge in a clinical environment. To give the student an opportunity to demonstrate a high standard of Professional Behaviours.

## Evaluation

The student must successfully complete **3 evaluations** in level 2 in order to proceed into level 3.

The student must successfully perform **two performance evaluations** on "type 2" cases:

1. The student must perform the residual level 1 performance evaluation.
  - If there are no performance evaluations left over from level 1, the student may choose from a chest or abdomen.
2. The student must perform at least one of the following performance evaluations:
  - vertebral spine with obliques
  - transfemoral hip.
3. The student must successfully demonstrate **sterile technique** competency.

The Level 2 requirements consist of:

- department orientation
- equipment and processing
- upper skeletal, spine and thoracic cage
- lower skeletal and pelvic girdle
- IVP, chest and abdomen
- fluoroscopic procedures.

In addition to the above:

1. All students must complete the **UNASSISTED WORK RECORD SHEETS**.
2. All students must complete **10 successful blood pressure readings**.
3. All students must successfully complete a **Department Orientation** for each new clinical site.

It is the **student's responsibility** to ensure completion of all clinical requirements.

These requirements must be successfully completed in order to proceed into Level 3.

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. The student's hospital rotation will be designed to allow for achievement of the specified objectives in each contract.

**ALL THE LEVEL 2 REQUIREMENTS MUST BE COMPLETED BEFORE ENTERING CASES INTO LEVEL 3 SECTIONS. REQUIREMENTS ENTERED INTO LEVEL 3 GREY SHADED AREAS WHILE IN LEVEL 2 MUST BE ON TYPE 3 CASES.**

### Grading Scheme for Clinical Evaluation:

1. For successful evaluation, the student must achieve a competent standing (C) or better on all evaluation criteria designated **Critical Behaviors "C"**.

Failure to achieve any of the designated Critical Behaviors requires a repeat evaluation.

For successful evaluation, the student must achieve a marginal standing (M) or better for those evaluation criteria **not deemed** as Critical Behaviors.

A **maximum of two (2) marginal** achievements allowed per evaluative section, otherwise a repeat evaluation is required.

#### 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.

\* Deadline for achieving successful evaluations is the last clinical day.

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

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

The student can continue in this manner until:

- a) a successful evaluation is obtained.
- b) the clinical term has ended.

### Professional Behaviours and Practice:

Students are required to successfully attain Professional Behaviour and Practice assessment in the clinical area by supervising technologists and the clinical instructor. Unsuccessful PBP's will be repeated. An additional assessment will be completed by the clinical instructor in the event of ongoing concerns. Failure to improve will result in intervention by the clinical coordinator/program head. Recommendation for pass or failure will be made at this time.

### Course Learning Outcomes/Competencies

Upon successful completion of this course 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 behaviors and attitudes.

## Withdrawal from Clinical Education

### Mandatory Withdrawal

Students will be withdrawn from the clinical environment when they consistently fail to achieve the minimum acceptable standards in one or all of the following areas:

- Adherence to BCIT Student Clinical Policies
- Adherence to assigned clinical department policies and procedures
- Patient care
- Positioning skills
- Interpersonal relationships
- Professional behaviors and attitudes
- Radiation safety
- Equipment handling

### Voluntary Withdrawal

Students may voluntarily withdraw from Clinical Education MRAD 2200. Counselling with respect to career choices is available to all students.

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### Course Content Verification

I verify that the content of this course outline is current, accurate, and complies with BCIT Policy.

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Program Head/Chief Instructor

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Date

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



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	BCIT Office	Email Address	Office Phone	Pager #
<b>Clinical Co-ordinator</b>				
Dori Kaplun ACR, MEd	SW3 - 4084	dkaplun@bcit.ca	432-8743	
<b>Instructor(s)</b>				
Valerie Palm, ACR, ID	SW3 - 4077	vpalm@bcit.ca	412-7531	
Lois Tanner, RTR	SW3 - 4077	ldoody@bcit.ca	412-7531	
Freda Cook, ACR, BTech	SW3 - 4084	fcook@bcit.ca	432-8743	
Bonnie-Jean Goosney, ACR		Bonnie-Jean.Goosney@fvhr.org	870-7499	
Brenda Wainwright, RTR, CMS	SW3 - 4077	bwainwright@bcit.ca	412-7531	

The student will gain experience under the **direct supervision** of the instructor/hospital technologist.

**Learning Resources**

**Required:**

Clinical Education Workbook 2200

1. R and L markers
2. Tape measure
3. Pens, felt tip and ballpoint
4. Uniform and shoes as detailed in the Clinical Education Manual
5. Name tag, level pin, TLD
6. Student clinical positioning handbook

**Reference:**

Ballinger, Philip W., M.S., P.T. (R). *Merrill's Atlas of Radiographic Positions and Radiologic Procedures*. (8th Edition). C.V. Mosby Co., Toronto.

Bushong, Stewart, *Radiologic Science for Technologists*. Mosby Publishers.

Cullinan & Cullinan. *Producing Quality Radiographs* (2nd Edition). J.B. Lippincott Company.

*Taber's Cyclopedic Medical Dictionary*. C.V. Mosby.

Tortora, Gerard J. & Anagnostakos, Nicholas P. *Principles of Anatomy and Physiology* (6th Edition). Harper & Row, New York.

Kozier & Erb. *Fundamentals of Nursing, Concepts and Procedures*.



**Med Rad BCIT/Clinical rotation  
September-December 2000**

Date	BCIT	Clinical	Comments	Professional Behaviour and Practice Evaluations
September 4-8	A/B/C/D		Sept 4 - Labour day	
September 11-15	A/B/C/D			
September 18-22	A/B/C/D		Sept 20 - Shinerama	
September 25-29	A/B/C/D			
October 2-6	A/B/C/D			
October 9-13	A/C	B/D	Oct 9 – Thanksgiving day	PBP by CI by end of week
October 16-20	B/D	A/C		PBP by CI by end of week
October 23-27	A/C	B/D		PBP by RTR by mid week
Oct 30-Nov 3	A/C	B/D		PBP by RTR by mid week
November 6-10	B/D	A/C		PBP by RTR by mid week
November 13-17	B/D	A/C	Nov 13 - remembrance day Stat	PBP by RTR by mid week
November 20-24	A/C	B/D		PBP by CI by midweek
Nov 27- Dec 1	B/D	A/C		PBP by CI by midweek
December 4-8			Exam week	

**A/C 19 days clinical**

**B/D 19 days clinical**

**Corporate Days**

Site	Corporate Days
Burnaby General	No corporate days
Eagle Ridge	
Lions Gate	
MSA	
CH	

Site	Corporate Days
Richmond General	Students may remain with CI Oct. 27, Nov 24
St. Pauls	Oct. 6, Nov 9
VGH	Oct 30, Nov 24
UBC	Oct 30, Nov 24