



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

Operating Unit: Health Sciences

Program: Medical Radiography Technology

Option:

Revised Course Outline

MRAD 2200
Clinical Education

Start Date: September, 1999

End Date:

Course Credits: 3

Term/Level: 2

Total Hours: 70

Total Weeks: 2

Hours/Week: 35

Lecture:

Lab:

Shop:

Seminar:

Other:

Prerequisites

MRAD 2200 is a Prerequisite for:

Course No. Course Name

Course No. Course Name

MRAD 2200 Clinical Experience

MRAD 3300 Clinical Education

Course Calendar Description

To provide students with clinical experience in the hospital setting.

Course Goals

In order to proceed to Level 3, the student must fulfill the revised Level 2 requirements as indicated in the Workbook for Clinical Education Requirements (MRAD 2200/3300). The student must demonstrate a high standard of Professional Behaviors & Attitude as outlined in the *Clinical Education for Medical Radiography* student manual.

The following examinations will be performed this term:

1. Upper extremities, thoracic cage and spine
2. Lower extremities and pelvic girdle
3. IVP procedures, chest and abdomen

Five successful blood pressures must be completed.

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.

Evaluation

There are no required performance evaluations for Level 2 due to the shortened clinical time.

1. Students may perform one of the following performance evaluations:

- vertebral spine with obliques
- transfemoral hip
 - Any evaluations done in level 2 can be done on a "type 2" case. Any of these evaluations done in the first 2 weeks of clinical in level 3 may also be done on a "type 2" case. Evaluations deferred to after the first 2 weeks of clinical in level 3 will have the expectation of being performed on a "type 3" case

The Level 2 requirements consist of:

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

The following clinical requirements will be deleted from the workbook in order to be reflective of the shortened clinical term.

Coloured Section	Page #	Omit (Items #)
Gold Pages	1	Omit residual level 1 evaluation
Buff Pages	3	Delete IVP
	7	Omit 1 room
Blue Pages	5	Day 2
	11	Thoracic cage
	13	Item 2
	18	Items 6-10
	21	Items 1-3
	24	Items 2-3
	25	First slot
Green Pages	5	Day 2
	9	Item 2
	13	Item 3
	18	Items 6-10
	21	Items 3-4
Pink Pages	7	Day 1-2
	9	Item 3
	13	Item 1
	17	Items 1-2
	20	Items 7-12 (CI signature required on at least one case)
	22	Items 2-3
Grey Pages	5	Day 1-2
	9	Items 1-2
	11	Items 1-2
	13	Items 1-2
White Pages	1	Items 6-10

ALL THE LEVEL 2 REQUIREMENTS MUST BE COMPLETED BEFORE ENTERING CASES INTO LEVEL 3 SECTIONS.

- ** All students must successfully complete a Department Orientation for each **new** clinical site. During Level 2, you are allowed to work on all the requirements for **ALL** of the areas simultaneously.

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

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 3 unassisted cases of the same anatomical area.
- 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 1st 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.

Students will all receive an **I** (Incomplete) on the transcript for mrad 2200. This standing will be changed to **S** (Satisfactory) with the satisfactory completion of level 3 clinical requirements (mrad 3300).

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. Counseling with respect to career choices is available to all students.

Course Content Verification

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

Program Head/Chief Instructor

Date

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



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Instructor(s)

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Lois Tanner, RTR		432-8743
Mary Smith, RTR	Office Hrs.:	E-mail Address:
Debbie Foster, RTR		

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 of 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*.