



Revised

Course Outline

BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

Operating Unit: Health Sciences
Program: Medical Radiography Technology
Option:

MRAD 3300
Clinical Education

Start Date: January, 2000

End Date: April, 2000

Course Credits: 10

Term/Level: 3

Total Hours: 245

Total Weeks: 7

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

Prerequisites

MRAD 3300 is a Prerequisite for:

Course No. Course Name
MRAD 2200 Clinical Education

Course No. Course Name
MRAD 4400 Clinical Education

Course Calendar Description

Under the supervision of the clinical instructor/hospital technologist, the student will gain experience in fluoroscopic procedures, IVP procedures, basic skeletal radiography and general clinical skills.

Course Goals

To provide the necessary radiographic experiences for the student to gain confidence with the increased 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 perform 4 positioning evaluations on type 3 cases, consisting of:

- IVP
- Fluoroscopy
- Spine (with obliques)
- Transfemoral Hip
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If the transfemoral hip or spine evaluation is completed within the first 2 weeks of clinical in level 3, the evaluation may be done on a type 2 case.

The Level 3 requirements are:

- a) Department orientation
- b) Equipment and Processing
- c) Upper Skeletal, Spine and Thoracic Cage
- d) Lower Skeletal and Pelvic Girdle
- b) IVP, Chest and Abdomen
- c) Fluoroscopy
- d) Unassisted Work Record (as indicated)

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**.

Grading Scheme for Clinical Evaluation:

1. For successful evaluation, the student must achieve a competent (3) standing 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 (2) standing 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.

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

The student can continue in this manner until:

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

* Deadline for achieving successful evaluation 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.

Professional Behaviours and Practice:

Students are required to successfully attain Professional Behaviour in Practice assessment in the clinical area by supervising technologists and the clinical instructor. Unsuccessful PBP's will be repeated. Failure to improve will result in an assessment by the clinical coordinator. Recommendation for pass or failure will be made at this time.

** 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 4.

Course Learning Outcomes/Competencies

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

1. interpret patient requisition with minimal assistance to ensure the following: exam requested, patient ID and physician signature.
2. prepare the radiographic room for the examination to be done.
3. provide satisfactory patient care for all patients.
4. communicate effectively with the patient prior to and during the examination.
5. interact appropriately with all members of the health care team.
6. apply satisfactory positioning technique skills for all examinations undertaken.
7. handle the required equipment in a competent manner.
8. carry out acceptable radiation safety precautions for patients, staff and self at all times.

9. document information as necessary for each procedure undertaken.
10. competently critique radiographs associated with all examinations undertaken.
11. organize work efficiently.
12. demonstrate professional behaviors and attitudes.
13. demonstrate professional behavior and attitudes.

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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Clinical Coordinator)

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Learning Resources

Required:

- Workbook for Clinical Education Requirements MRAD 2200/3300
 - R & L markers
 - Tape measure
 - Pens, felt tip and ball point
 - Uniform and shoes as detailed in the Clinical Education Student Manual
 - Name tag, level pin, TLD
 - Student clinical positioning notebook
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BCIT Policy Information for Students

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:

- BCIT Student Policies for Clinical Experience
- Adherence to assigned 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 3300. Counseling with respect to career choices is available to all students.