BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

Course Outline Part A

Health Sciences
Program: Medical Radiography Technology
Option:

**MRAD 2200**
**Clinical Education**

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|---|---|---|---|---|---|
| **Hours/Week:** | 35 | **Total Hours:** | 140 | **Term/Level:** | 2 |
| **Lecture:** | | **Total Weeks:** | 4 | **Credits:** | 11.5 |
| **Lab:** | | | | | |
| **Other:** | | | | | |

**Prerequisites**

| Course No. | Course Name |
|---|---|
| MRAD 2200 | Clinical Experience |

**MRAD 2200 is a Prerequisite for:**

| Course No. | Course Name |
|---|---|
| MRAD 3300 | Clinical Education |

## Course Goals

In order to proceed to Level 3, the student must fulfill the 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, shoulder girdle and spine
2. Lower extremities and pelvic girdle
3. IVP procedures, chest and abdomen

Ten 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.

## Course Description

To provide students with clinical experience in the hospital setting.

## Evaluation

The student must perform two positioning evaluations (**1 upper and 1 lower extremity**) together with the **Equipment and Processing Unit**. These requirements must be successfully completed in order to proceed into Level 3

The Level 2 requirements are:

a) Equipment and Processing
b) IVP, Chest and Abdomen
c) Upper and Lower Skeletal
d) Unassisted Work Record (as indicated)

**ALL THE ABOVE 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 (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) & 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 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.

## Course Outcomes and Sub-Outcomes

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 Record

Developed by: Mary Filippelli, Clinical Coordinator _____ Date: September, 1998
Instructor Name and Department (signature)

Revised by: _____ Date: _____
Instructor Name and Department (signature)

Approved by: Lawrence Parisotto _____ Start Date: _____
Associate Dean / Program Head (signature)

## Effective Date

September, 1998

## Instructor(s)

Rita McLaughlin, ACR
Gisela Paches, ACR
Valerie Palm, ACR
Lois Tanner, RTR

Office No.: SW3-4077, 4086 Phone: 5417 & 8743
Office Hrs.:

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

## Text(s) and Equipment

**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.

Carlton, R. & Alder, A. *Principles of Radiographic Imaging*. Delmar 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.*