Medical Radiography Technology

Professional Practice 1

COURSE INFORMATION

COURSE NUMBER	**MRAD 209**
TOTAL HOURS	**25**
THEORY	**25**
PRACTICAL	**0**
PREREQUISITES	**ANPH 252 - Anatomy and Pathology 2** **MRAD 202 - Patient Care 2** **MRAD 240 - Specialized Imaging 1** **MRAD 251 - Computed Tomography Theory 1** **MRAD 254 - Fluoroscopic Imaging** **MRAD 256 - Radiographic Technique 2** **MRAD 358 - Clinical Integration 1** **PRCT 353 - Clinical Placement I**
CO-REQUISITES	**None**
ACADEMIC UNIT RESPONSIBLE FOR COURSE	**Allied Health Education**

STUDENTS, PLEASE NOTE

This course contains information that may be required to substantiate learning for professional recognition. It is your responsibility to retain a copy for your own use during your program and after graduation.

COURSE DESCRIPTION

Professional Practice 1 is a general introduction to the field of Medical Radiation Technology. Learners will cover a variety of topic areas including the technologist in the workplace, legal issues, and relevant professional organizations. There will also be discussions on risk management,

professional conduct, with an emphasis on the importance of service delivery, conflict management, and problem-solving.

COURSE OBJECTIVES

Following completion, the student will be able to:

1. Demonstrate professional behaviours.
    - 1.1 Display reliability through regular attendance, punctuality, and meeting deadlines.
    - 1.2 Demonstrate initiative through active participation.
    - 1.3 Communicate in a respectful manner with team members.
    - 1.4 Organize materials and time effectively.
    - 1.5 Demonstrate a flexible and adaptable attitude.
    - 1.6 Promote collaborative practice with other students.

2. Explain the role of a medical radiological technologist (MRT) as a healthcare provider.
    - 2.1 Describe the clinical environment and personnel a technologist can expect to work with in a diagnostic imaging department.
    - 2.2 Describe the roles other healthcare professionals play in the diagnostic imaging department.
    - 2.3 Identify the benefits of practicing collaborative, patient-centered care.
    - 2.4 Summarize the role of the MRT using the Canadian Association of Medical Radiation Technologists (CAMRT) scope of practice statements.
    - 2.5 Outline the role of the technologist in providing a diagnostic/therapeutic impression to other healthcare professionals.

3. Demonstrate critical thinking.
    - 3.1 Relate the importance of professional values and attitudes to meeting workplace expectations.
    - 3.2 Identify strategies to demonstrate respect and sensitivity in patient and professional interactions.
    - 3.3 Describe the characteristics required to work collaboratively in a healthcare team.
    - 3.4 Describe how interpersonal skills are made more effective by accepting individual differences.
    - 3.5 Discuss best practice communication techniques used in healthcare.
    - 3.6 Describe barriers to communication that may lead to conflict.
    - 3.7 Explain how to use conflict management techniques.
    - 3.8 Discuss the importance of being adaptable to change in healthcare.

4. Present a professional appearance and manner.
    - 4.1 Describe conditions and factors that contribute to work-related stress in radiography.
    - 4.2 Develop a plan to maintain good mental and physical health.
    - 4.3 Identify appropriate dress for a medical radiation technologist (MRT) in the healthcare environment.
    - 4.4 Identify personal behaviours that are inappropriate in the workplace.

4.5 Discuss the effect that language and grammar have on his/her professional image.
4.6 Discuss the importance of time management while on clinical placement.

5. Explain the structure of the Medical Radiologic Technology (MRT) program as it applies to competence development.

5.1 List the professional associations and groups that a medical radiologic technologist is involved with.
5.2 Describe what it means to be a competent technologist using the Standards of Practice from the Canadian Association of Medical Radiation Technologists (CAMRT).
5.3 Identify the mechanisms available to students for information sharing and feedback.
5.4 Describe the problem-solving structures available to students.
5.5 Review the role of the best practice guidelines in keeping a workplace safe and effective.
5.6 Outline ways to assume a leadership role within the profession, healthcare team and collaborative practice.

6. Practice in accordance with legislation, regulations and ethical guidelines related to the profession.

6.1 Differentiate between the various professional associations and groups associated with the medical radiation technology profession.
6.2 Describe the implications of the Canadian Association of Medical Radiation Technologists (CAMRT) Code of Ethics to the medical radiation technology profession.
6.3 Explain the medical legal obligations of the technologist to the patient.
6.4 Explain the Freedom of Information and Privacy Act as it applies to healthcare.
6.5 Identify legislation, regulations and bylaws which regulate the profession of radiography.

7. Establish best professional practices for patient care.

7.1 Define patient care and customer service as it applies to the practice of the medical radiation technologists.
7.2 Describe patient legal rights and obligations.
7.3 Apply the Canadian Association of Medical Radiation Technologists (CAMRT) best practice guidelines to safe patient care.
7.4 Outline team behaviours that will enhance quality patient care in a department.
7.5 Reflect on the ability to practice empathy and embrace diversity as it applies to the medical radiation technology profession.
7.6 Discuss the diverse personal histories and experiences of First Nations, Inuit, and Métis peoples.

8. Participate in professional development.

8.1 Describe the purpose and process of evaluation of a medical radiology technology (MRT) student.
8.2 Compare and contrast strategies used to evaluate the progression of a skill.
8.3 Discuss the importance of developmental and summative feedback.
8.4 Prepare a plan on how to use self-reflection while on clinical placement.
8.5 Implement a learning plan for enhancing personal professional knowledge and skills.

9. Assemble the necessary tools for a successful clinical placement.
    9.1 Explain how the MRT logbook is developed.
    9.2 Use online learning material to prepare for clinical placement.
    9.3 Review the MRT student manual for clinical placement policies and expectations.
    9.4 Discuss potential critical experiences in the clinical environment.
    9.5 Discuss strategies for dealing with co-workers in the clinical environment.

COMMON STUDENT LEARNING OUTCOMES

Upon successful completion of Edenbrook College programs, the student will:

Learn
Students will actively and independently acquire, apply, and adapt skills and knowledge to develop expertise and a broader understanding of the world as lifelong learners.

Think
Students will think analytically and creatively to explore ideas, make connections, draw conclusions, and solve problems.

Communicate
Students will exchange ideas and information with clarity and originality in multiple contexts.

Integrate
Students will demonstrate proficiency in the use of technologies in the broadest sense related to their field of study.

Act
Students will act purposefully, reflectively, and respectfully in diverse and complex environments.

EVALUATION

COLLEGE GRADING SYSTEM

The student must achieve an overall minimum grade of 70% on course assessments to be successful.

Students who achieve a failing grade of less than 70% may be eligible to write a supplemental examination to gain course credit. Remedial assistance will be required prior to writing the supplemental examination. Students will not progress in the program without achieving a passing grade in the course.

COURSE EVALUATION

Quizzes (2)	30%
Assignment (2)	10%
Professionalism	20%
Discussion Board	10%
Final Exam	30%
TOTAL	**100%**

ASSESSMENT RATIONALE/ CRITERIA

Achievement of learning outcomes will be assessed through class participation, class work, group activity, assignment, tests, project, mid-semester examination, and end of semester examination. Assessment will require students to demonstrate understanding and application of all the topics taught.

LEARNING MATERIALS

REQUIRED TEXTS

To be determined by the instructor.

SUGGESTED READINGS

To be determined by the instructor.

REFERENCE TEXTS AND MATERIALS

To be determined by the instructor.

TEACHING/LEARNING STRATEGIES

Lectures on all the topics, power point presentations, video presentations, classwork, assignments, groupwork. All the students are expected to familiarise themselves with foundational knowledge prior to class. Personal study before and after classes and use of online resources are essential.

COLLEGE POLICY STATEMENTS

Refer to the Edenbrook College Student Handbook for more information on the following policies.

ACADEMIC RESPONSIBILITY – STUDENTS

1. Each student must know the due dates for assignments, tests, and examinations.
2. Each student must maintain their own academic record of work covered each Unit/term.
3. Each student must maintain paper and electronic copies of assignments for the academic year.
4. Each student must arrange academic discussion time with a faculty member to discuss progress.
5. Each student must perform self-evaluation on progress in the course.

PERSONAL CONDUCT – STUDENTS

1. Students must arrive on time for class and be prepared to work when the instructor begins.

2. Students must be courteous to faculty and classmates.
3. Eating in classrooms and clinic is not allowed.
4. Cell phones, Text messengers and other electronic devices must be turned off during class time.

ACADEMIC ADVANCEMENT

At mid-point and at the end of each academic term, the members of the Faculty Team (FT) for the Medical Radiography Technology program meet to review the progress of all students. Following these meetings each student is advised orally and in writing of their status in the program.

Students experiencing difficulty will be counseled regarding assistance available to foster academic success.

At the end of each term, the Medical Radiography Technology Program Instructor and or Director of Education will make recommendations after deliberating on all relevant information. Decisions regarding each student may include (but are not limited to) the following. S/he has:

- Successfully completed all program requirements and can graduate.
- Successfully completed all requirements and is promoted to the next academic level in the program.
- Been granted supplemental privileges for courses not successfully completed and if successful will graduate or be promoted to the next academic level. **Supplemental privileges are not automatically granted and will be limited in number.**
- Not successfully completed all elements in the academic level but may remain in the program to repeat failed portions and continue toward program completion according to an individualized timetable.
- Experienced such difficulty that repetition of the entire academic level is required, and a space will be provided for the student in the program at the earliest opportunity if the student wants to return.
- Experienced such difficulty that the student is asked to leave the school and if s/he desires readmission must complete the admissions process in competition with other applicants.

ATTENDANCE

Attendance is mandatory – The College reserves the right to determine whether absences are excused or unexcused (may affect student funding) and to request any medical evidence that may be required. Student tardiness is unacceptable, and students are expected to demonstrate professional behaviour at all times, in class or on a clinical placement. Students are entirely responsible for catching up on their own or for missed material and demonstrations. A doctor's note may be requested for each absence.

Absence from Missed Test/Assignment Due Protocol

Upon return to school, the student is to provide a doctor's note or approved excusable absence to the instructor prior to admission to the make-up test/submission of late assignments. Failure to submit an approved excuse within 5 school Units upon return, the student will receive a zero for all missed, tests and late assignments.

Absence from Class Protocol

The College monitors attendance closely. A student who is absent from a class more than 3 times in a term, will be identified at risk and required to submit a doctor's note or approved excusable absence to their instructor(s) and the Program Instructor prior to readmission to the class.

Make-Up Procedure

All students are expected to take exams at the scheduled time. Make-up exams will be arranged only in recognized emergency cases. The instructor must be informed before or during the exam, to be eligible. Refer to the Edenbrook College Student Handbook for protocols. Quizzes are taken in class and at the time specified by the instructor. Late students will be given no extra time for the quiz. Quizzes given in the classroom cannot be made-up.

CHEATING AND PLAGIARISM

Any evidence of cheating will result in a failure for the course. Evidence of plagiarism will result in a failure for all students involved in the plagiarism. Plagiarism is turning in the work of someone else as if it was your own. When working on assignments in a group setting, students must submit their assignments using their own words. Identically worded assignments submitted by multiple students are acts of plagiarism.

MOBILE PHONES

Mobile phones are to be turned completely OFF while class is in session. Please use laptop computers responsibly. Web browsing, messaging, emailing, and recording are otherwise prohibited during class. Students who abuse the privilege of using their laptops will be asked to put it away for the duration of the class.