

	School of Health & Human Services	
	Medical Radiography Program	
	Course Name:	Patient Management for Diagnostic Imaging Techs.
	Course Number:	MRAD 112
	Term:	Fall 2017

COURSE OUTLINE

The Approved Course Description is available on the web:

<http://camosun.ca/learn/calendar/current/web/mrad.html#MRAD112>

Please note:

- *This outline will be electronically stored for five (5) years only. It is strongly recommended students keep this outline for your records.*
- *This course is only open to students in the Medical Radiography program.*

Description:

In this novice level course, students engage in activities that develop the basic patient care and assessment skills, knowledge of bedside equipment operations, understanding of workplace practices, and safe body mechanics needed while performing the duties of an imaging technologist. Students demonstrate competence in a variety of skills during simulated patient encounters and practice situations to prepare for patient interactions during their first clinical practicum.

Students must achieve 65% or higher to use this course as a prerequisite and advance to the first clinical practicum.

1. Instructor Information

(a)	Instructor:	Sarah Erdelyi
(b)	Office Hours:	By appointment
(c)	Location:	WT212D
(d)	Phone:	250-370-3996
(e)	Email:	erdelyis@camosun.ca

2. Intended Learning Outcomes/Competencies

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

- a) Communicate essential patient information and conditions to other health care professionals accurately and effectively within the role and scope of an imaging technologist.
- b) Apply the principles of infection control and best practice guidelines during patient encounters, imaging examinations, and throughout the workplace within the role and scope of an imaging technologist.
- c) Apply the principles of safe body mechanics and best practice guidelines during patient transfers while maintaining supportive and therapeutic equipment and accessories to minimize risk of preventable injuries to patients or self.

- d) Recognize, predict, and respond appropriately to normal and varied patient health conditions and abilities encountered during imaging procedures within the role and scope of an imaging technologist.
- e) Recognize, predict, and respond appropriately to pharmaceutical impacts on patient management during imaging encounters within the role and scope of an imaging technologist.

3. Learning Resources

Required Textbook:

Adler, A., & Carlton, R. (2012). Introduction to Radiologic and Imaging Sciences and Patient Care, Sixth Edition. Canada: Saunders Elsevier.

Optional Textbooks:

Ehrlich, R.A., & Daly, J.A. (2009). Patient Care in Radiography (7th ed.). Mosby.

Torres, L.S., Dutton, A.G., & Linn-Watson, T. (2010). Patient Care in Imaging Technology (8th ed.). Baltimore: Lippincott Williams & Wilkins.

Desire-to-Learn (D2L):

The Camosun online learning management system (D2L) contains additional learning materials for this course. Students are expected to familiarize themselves with the online learning environment and all the features it has to make this course experience enriching. Log on at <https://online.camosun.ca/> to access these materials.

4. Student Assessment

Laboratory Participation (8)	10%
Laboratory Evaluations (4)	30%
Presentation	10%
Quizzes (4)	5%
Midterm	15%
Final Exam	30%

Laboratory Participation

Laboratory activities are intended to be completed during scheduled lab time to enhance learning and solidify concepts that are of high importance to a Radiologic Technologist. Students are expected to take initiative to prepare themselves for each activity by completing assigned course readings or by completing any additional preparatory work that is assigned by the instructor. Students are encouraged to work collaboratively to complete laboratory activities, as well as seek help from the lab assistant or course instructor. Laboratory participation will often include a reflective component about the activity and content; therefore physical presence and active participation is essential.

Any laboratory worksheet that is provided should be completed and submitted online via the D2L Dropbox within the timeframe specified by the instructor (usually by the end of the day on the day of the lab activity). Grades will be assigned for completeness and accuracy. Laboratory worksheets and/or reflections that are not submitted within the specified timeframe will receive a grade of 0 (zero). Additionally, access to the lab space and equipment is only available during scheduled lab times; therefore it will not be possible to make up missed lab activities.

Laboratory Evaluations

Laboratory evaluations consist of role playing scenarios, which combine practical skills and therapeutic communication skills in a simulated clinical environment. These evaluations are typically conducted in pairs, where partners will act as simulated patients for each other. These evaluations will isolate various aspects of patient management that are essential to providing competent patient care while performing radiographic procedures.

As it is important that students demonstrate basic patient management skills before progressing to the clinical setting, students *may* be given the opportunity to reschedule a laboratory evaluation. Access to the lab space and equipment outside of scheduled lab times is very limited; therefore there is no guarantee that a lab evaluation can be rescheduled.

Presentation

Students will work in pairs to identify strategies for optimizing patient safety, comfort, and care using best practice evidence and present this evidence to the class in an oral presentation format. Students will read a selection of materials provided by the instructor to gain a broad understanding of the diverse patient population in medical imaging and the impact they can have on patient outcomes. With the help of the course instructor, students will develop an inquiry/question to guide their analysis of the literature (a list of references will be provided). Students will relate their findings to a variety of aspects of patient management in radiologic technology, including patient interactions and communication, environmental safety, radiation safety, and patient

assessment and care. Students will also participate in a library skills workshop to develop basic information literacy skills that will be applied in the development of their presentation.

With the exception of emergency circumstances, a student who does **not** notify the instructor ahead of time about absenteeism or does not have an acceptable reason for being absent on presentation day will receive a grade of 0 (zero). The partner will be given the option to present his or her portion of the presentation on that day or make revisions and present at the start of the next lecture.

Quizzes

Quizzes are administered online via D2L. Quizzes will take place on the same day as laboratory evaluations and will focus on the theoretical knowledge related to the practical skill being tested in the lab. They may include content from lectures/labs/assigned readings. Students are encouraged to use quiz scores to help gauge the effectiveness of their studying. Students who are performing poorly on quizzes should seek help from the instructor as early as possible to work together to develop a plan for success for the midterm and final exam. With the exception of emergency circumstances, a student who does **not** notify the instructor ahead of time or does not have an acceptable reason for missing a quiz will receive a grade of 0 (zero).

Midterm and Final Exam

The midterm and final exam are administered online via D2L. For both tests, the content is cumulative from all lectures/labs/assigned readings up to that point in the course. The final exam will be more heavily weighted toward content taught after the midterm. Students who perform poorly on the midterm should seek help from the instructor as early as possible to work together to develop a plan for success.

With the exception of emergency circumstances, a student who does **not** notify the instructor ahead of time about absenteeism or does not have an acceptable reason for being absent the day of the midterm or final exam will receive a grade of 0 (zero).

Illness and Emergency Circumstances

It is acknowledged that short-term illness or personal priorities that are of critical importance, such as an appointment with a specialist, may occasionally conflict with a course assessment. In this case, as long as the student notifies the instructor **before** the anticipated absence, the student **may** be provided the opportunity to make up an assessment. Notifying the instructor by email is considered an acceptable means of communication.

This exception is not intended to be the norm. Students are expected to be present for all course assessments. The instructor will use discretion to determine if the reason for absenteeism is acceptable and/or whether or not absenteeism is problematic. Reasons that are unacceptable include birthday parties, family gatherings, employment commitments, etc. Students who miss significant time may be at risk of falling behind in the course. The instructor will use discretion to determine what course of action will be taken for students who miss multiple activities and/or assessments.

Exceptions due to emergency circumstances, such as health problems or unavoidable family crises, require the approval of the instructor. In the case of an emergency, the student may be required to provide verification of the emergency circumstance as early as possible. Personal commitments, such as holidays or scheduled flights, are **not** considered to be emergencies.

For more information course assessments, see the materials posted to D2L.

5. Course Content and Schedule:

Week	Monday Lecture	Date	Tuesday Lab	Date	Location
1	STAT Course Introduction	Sep 4 Sep 7	Tour of simulation lab Orientation worksheet	Sep 5	WT216 *abbreviated lab due to orientation week
2	Human Diversity	Sep 11	Guest speaker – Faye Martin Cultural activity reflection	Sep 12	WT Na'tsa'maht
3	Patient Interactions	Sep 18	S-NOD evaluation and quiz	Sep 19	WT204 WT212C for quiz
4	Patient Interview and Assessment	Sep 25	Library workshop – Patsy Scott	Sep 29	WT212C/Library
5	Communicating Radiation Risk	Oct 2	Establish patient relationship evaluation and quiz	Oct 3	WT216 WT212C for quiz
6	STAT	Oct 9	Midterm examination	Oct 10	WT212C
7	"Top Five" Presentations	Oct 16	Body mechanics Body mechanics worksheet	Oct 17	WT212A (DR) Fitness center
8	Body Mechanics and Patient Transfers	Oct 23	Transfer safety check and bedside transfers Patient transfers reflection	Oct 24	WT216 *Need the mechanical lift
9	Infection Control	Oct 30	Infection control stations Infection control worksheet	Oct 31	WT216
10	Sterile Environments	Nov 6	Field trip #1 to RJH Interprofessional Simulation Centre O.R. sim. lab reflection	Nov 7	RJH Coronation Annex – 2 nd floor, O.R. suite
11	STAT	Nov 13	Standard and transmission-based precautions evaluation and quiz	Nov 14	WT216 *Need access to the sinks WT212C for quiz
12	Vital Signs and Therapeutic Devices	Nov 20	Patient care equipment stations Vital signs worksheet	Nov 21	WT216, WT212A or B *dependent on room availability
13	Pharmaceutical Impacts	Nov 27	Field trip #2 to RJH Interprofessional Simulation Centre Therapeutic devices worksheet	Nov 28	RJH Coronation Annex – 2 nd floor, patient ward
14	Medical Emergencies	Dec 4	Consolidation evaluation and quiz	Dec 5	WT216/212A or B *dependent on room availability WT212C for quiz
15	Final Examination				WT212C

6. Grading System

The following two grading systems are used at Camosun College. This course will use:

Standard Grading System (GPA)

Competency Based Grading System

Temporary Grades

Temporary grades are assigned for specific circumstances and will convert to a final grade according to the grading scheme being used in the course. See Grading Policy E-1.5 at camosun.ca for information on conversion to final grades, and for additional information on student record and transcript notations.

Temporary Grade	Description
I	<i>Incomplete:</i> A temporary grade assigned when the requirements of a course have not yet been completed due to hardship or extenuating circumstances, such as illness or
IP	<i>In progress:</i> A temporary grade assigned for courses that, due to design may require a further enrollment in the same course. No more than two IP grades will be assigned for the same course. <i>(For these courses a final grade will be assigned to either the 3rd course attempt or at the point of course</i>
CW	<i>Compulsory Withdrawal:</i> A temporary grade assigned by a Dean when an instructor, after documenting the prescriptive strategies applied and consulting with peers, deems that a student is unsafe to self or others and must be removed from the lab, practicum, worksite, or field

7. Recommended Materials or Services to Assist Students to Succeed Throughout the Course

CONDUCT POLICIES

It is the student's responsibility to become familiar with the content of these policies. The policies are available in each School Administration Office, Registration, and on the College web site in the Policy Section.

[Academic Policies and Procedures](#)

[Student Conduct Policy](#)

LEARNING SUPPORT AND SERVICES FOR STUDENTS

There are a variety of services available for students to assist them throughout their learning. This information is available in the College Calendar, Registrar's Office or the College web site at

<http://www.camosun.ca>

MRT PROFESSIONAL CODE OF ETHICS

Camosun College Medical Radiography Technology students are expected to abide by the Canadian Association of Medical Radiation Technologist (CAMRT) Code of Ethics inasmuch as it applies to them in the learning and clinical environments. This information is available on the CAMRT website at:

[CAMRT Code of Ethics](#)

MRT Department Policies & Procedures

Camosun College Medical Radiography Technology students are responsible for knowing all of the MRT Department Policies and must abide by them, including dress codes & lab safety procedures.

<http://camosun.ca/learn/school/health-human-services/student-info/handbooks.html>

8. GENERAL INFORMATION

The Medical Radiography Technology program is committed to promoting competence, professionalism and integrity in our students and developing their core skills to succeed throughout their academic programs and in their careers. The purpose of Academic Honesty Guidelines is to provide clear expectations of appropriate academic conduct and to establish processes for discipline in appropriate circumstances. It is the student's responsibility to become familiar with the content and the consequences of academic dishonesty. Before you begin your assignments, review the Academic Policies on the Camosun College website:

<http://camosun.ca/learn/becoming/policies.html>