

	<p style="text-align: center;">School of Health & Human Services</p> <p style="text-align: center;">Medical Radiography Program</p> <p>Course Name: Patient Management for Diagnostic Imaging Techs.</p> <p>Course Number: MRAD 112</p> <p>Term: Fall 2016</p>
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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

Professionalism	5%
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A detailed rubric is available online via D2L.

Laboratory Evaluations	40%
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Detailed rubrics are available online via D2L.

Midterm	20%
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Administered online via D2L.

Final Exam	35%
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Administered online via D2L. Content is cumulative from all lectures/labs/assigned readings.

Laboratory evaluations consist of role playing scenarios, skills assessments, and written responses. Depending on the nature of the skill being performed, some evaluations may be conducted in pairs. Students will have an opportunity to apply their knowledge and demonstrate their approach to patient care and management through simulation.

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

In emergency circumstances, a student may reschedule an assessment if he or she would otherwise be unable to complete the course or program. Exceptions due to emergency circumstances, such as unavoidable employment commitments, health problems, or unavoidable family crises, require the approval of the instructor. Holidays or scheduled flights are not considered to be emergencies. The student may be required to provide verification of the emergency circumstance.

Camosun Academic Policy: <http://camosun.ca/learn/calendar/current/pdf/academic-policies.pdf>

5. Course Content and Schedule:

Week	Dates	Monday Lab (morning)	Thursday Lecture (afternoon)
1	Sept 5-9	Sept 5 STAT – no lab	Course Introduction Handouts: laboratory professionalism, lab evaluation #1
2	Sept 12-16	Lab Orientation Handouts: orientation tasks and lab rules acknowledgement Professional Conduct (feedback) and SNOD evaluation	Human Diversity – common diversity traits and considerations for patient care <u>Required Reading: Human Diversity (chapter 10)</u>
3	Sept 19-23	Cultural Activity – diversity wheel/reflective practice journal	Establish the Patient Relationship – steps and interactions <u>Required Reading: Patient Interactions (chapter 11)</u>
4	Sept 26-30	Patient Interactions – role playing scenarios/reflective practice journal	Managing Patient Throughout Procedure <u>Required Reading: History Taking, Patient Assessment and Abbreviations (chapter 12)</u>
5	Oct 3-7	Patient Interactions and Assessment evaluation	Radiation Protection – patient focus Handout: pregnancy flow chart <u>Required Reading: Basic Radiation Protection (chapter 9)</u>
6	Oct 10-14	Oct 10 STAT – no lab	Midterm
7	Oct 17-21	Infection control stations/reflective practice journal	Infection Control – imaging department, mobile imaging, and operating room Handouts: hand hygiene, isolation signs, operating room attire <u>Required Reading: Infection Control, Aseptic and Non-Aseptic Techniques (chapter 17-19)</u>
8	Oct 24-28	Hand hygiene and donning and doffing PPE evaluation /reflective practice journal	Safe Patient Movement and Handling Demos in WT 212B <u>Required Reading: Safe Patient Movement and Body Mechanics (chapter 13)</u>
9	Oct 31-Nov 4	Transfers and immobilization from the patient perspective/reflective practice journal	Immobilization Techniques Demos in WT 212B

			<u>Required Reading: Immobilization Techniques (chapter 14)</u>
10	Nov 7-11	Combining skills – role playing scenarios	Patient Care – care interventions <u>Required Reading: Vital Signs, Oxygen, Chest Tubes & Lines (chapter 15)</u>
11	Nov 14-18	Patient transfers and immobilization evaluation	Medical Emergencies Handout: hospital codes <u>Required Reading: Medical Emergencies (chapter 20)</u>
12	Nov 21-25	Patient care skills stations	Pharmacology and Principles of Drug Administration <u>Required Reading: Pharmaceutical Impacts (chapter 21-22)</u>
13	Nov 28-Dec 2	Patient care skills and responding to emergencies evaluation /reflective practice journal	Group activity – prepare a mini review of a topic that is simple enough to complete the bulk of the work during allotted timeframe (e.g. lead a game, present a role playing scenario, etc.)
14	Dec 5-9	Final lab evaluation	Peer led review
15	Dec 12-16	Cumulative Final Exam – Written Component	

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>