

	School of Health & Human Services Medical Radiography Technology
	Course Name: Patient Management for Diagnostic Imaging Technologists Course Number: MRAD 112 Academic Term 1: Novice
FINAL COURSE OUTLINE	

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.

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

1. Communicate essential patient information and conditions to other health care professionals accurately and effectively within the role and scope of an imaging technologist.
2. 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.
3. 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.
4. 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.
5. Recognize, predict, and respond appropriately to pharmaceutical impacts on patient management during imaging encounters within the role and scope of an imaging technologist.

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. It is strongly recommended students keep this outline for your records.*
- *This course is only open to students in the Medical Radiography program.*

1. Instructor Information

	Instructors:	Jemma Aubert & Rosa Perez
(b)	Office Hours:	Tuesdays 12:30 -1:30
(c)	Location:	WT 212D
(d)	Phone:	250-370-
(e)	Email:	AubertJ@camosun.bc.ca
(f)	Website:	http://online.camosun.ca/

2. Course Content and Schedule:

Lab Days/Times & Room Number:

Monday 08:30-12:20pm (WT 216)

Lab is a moment where you are transferring your learning, practicing, integrating and demonstrating your skills. You will develop and enhance your professional abilities to know, to be and to do through various lab activities that are directly linked to the expectations of your profession (standards of practice) and your professional environment (future employer). Your attendance and active participation in lab is mandatory.

Lecture Days/Times & Room Number:

Wednesday 0830-10:20 (WT 212C)

Class participation is a key component of this course and strongly recommended. It will take the form of lecture, question and answer periods, class activities, professional reflection and discussions, individually or in groups. Formative quizzes will be part of a teaching strategy to help you evaluate if you comprehend and integrate the information delivered in class.

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

Other useful material

Web sites:

- Canadian Association of Medical Radiation Technologist (CAMRT)
- The very Image of Car e / L'i magerie au c o eu r de votre sant 
- Canadian Institute for Health Information – Medical Imaging
- Canada Health Infoway

4. Assessment Details: Class exams:

Student Assessment:

Lab evaluations 8 evaluations x 5%	40%
Assignments & Quizzes 3 assignments and 2 quizzes x 4%	20%
Midterm Exam:	20%
Final Exam- Lab	10%
Lecture	10%
Total	100%

Midterm & Final Exam:

Midterm and final exams contain a mix of multiple choice and short answer questions. Please take note, the midterm lecture exam is cumulative from the start of the term and the final lecture exam is cumulative from the midterm.

Lab evaluations:

Lab evaluations consist of a role playing case study scenario (low tech simulation) where each student will have the opportunity to demonstrate their knowledge, caring and intervention approach in their future professional role as a medical radiography technologist. You will impersonate a patient and switch roles after with your classmate to be the MRT link to a case study scenario provided to you at your lab time exam.

***There will only be one final lab exam that will be cumulative from the start of the term.**

Policy for Assignments:

- Unless otherwise stated, all assignments are due at the beginning of the lab/class of the due date. There is a 10%/day late penalty. The format is expected to be professional, i.e. a neat, legible, clean copy. "Rough" drafts risk rejection and a subsequent late penalty.
- If you fail to turn in a completed assignment on time, you will incur a late penalty. Exceptions to this rule will be made solely at the discretion of the instructor. In mitigating circumstances, evidence of acute injury, illness, or other emergency situation may be required. However, this does not guarantee that an exception will be made. In such situations, it is highly recommended that students attempt to arrange an extension of an assignment 48 hours BEFORE the due date, if possible.

Policy for class and lab exams / assignments:

- In emergency circumstances, a student may write a test or final examination before or after the scheduled time if the student would otherwise be unable to complete the program or course. 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/about/policies/policies.html>)

5. Other

D2L – the Camosun College online learning portal contains the remainder of the 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.

Additional resources may include, but are not limited to: lecture notes, PowerPoint slides, Laboratory Manuals, and hyperlinks. You may prefer to download lectures notes ahead of time (when available) and then write your notes directly onto copies of the slides.

D2L materials **must not** be considered your sole source of information! They merely summarize the main points and provide direction for your learning experiences. You may need to write down additional information in each lecture. Additionally, not all details can be covered in a lecture, and you will be required to refer to textbook material that is not discussed specifically in class.

To prepare yourself for your lab activities refer to your core textbook and the schedule section of the syllabus for each lab week.

6. Course Readings:

September 14:	Chapter 10
September 21:	Chapter 11
September 28:	Chapter 12
October 5:	Chapter 9
October 14:	Midterm Exam
October 19:	Chapter 17&18
October 26:	Chapter 13
November 2:	Chapter 14
November 9:	Remembrance Day
November 16:	Chapter 15
November 23:	Chapter 21-22
November 30:	Chapter 20
December 7:	Review and Exam prep
December 14:	Final Exam Week

7. Course Schedule:

	<i>Dates</i>	<i>Module/Assignments</i>
1	Sept 7-11 No lab Monday	W -Intro to course/ Objectives & outline for semester/ Plagiarism policy/ Required textbook/ Assessment -Warm up activity – share patient experience -Read chap 10 for Week 2 lecture
2	Sept 14-18	M -WT 216 Intro to lab / Lab policies and dress code/ *Lab Orientation exercise / Lab agreement *Professional conduct SNOD evaluation W -Chap 10 Human Diversity Lecture - Stigma article – written response
3	Sept 21-25	M - Activity in Cultural Centre (Rebecca Taylor guest speaker at Natsamaht) -Share with partner about cultural heritage/ how this experience made you feel / how you can apply this knowledge to your practice W -Chap 11 Patient Interactions Lecture
4	Sept 28-Oct 2	M - Location to be announced?? ECL CFCS students meet and discuss peds care W - Chap 12 History Taking, Medical abbreviations * quiz , Patient assessment
5	Oct 5-9	M - Lab WT 216 Intro to sleeping patient, drive patient on WC/ stretcher with IV blindfolded/procedure explanation with earplugs or in a different language evaluation W - Chap 9 Basic Radiation Protection and Rad Bio Lecture (Pregnancy flow chart – patient status) take home quiz (radbio text) PBS film
6	Oct 12-16	W - Midterm No lab Monday
7	Oct 19-23	M - WT 216 Hand washing technique (video clip?) evaluation Infection Control and hand washing machine W - Chap 17-18 Infection Control Best Practices Lecture
8	Oct 26-30	M - WT 216 Donning and doffing PPE evaluation Sterile gowning and gloving W - Chap 13 Safe Patient Movement and Handling Techniques Lecture; Body Mechanics
9	Nov 2-6	M - WT 216 or X-ray lab Patient transfer techniques Lab manual evaluation p 371-372 (with partner draw scenario from a hat) (Safe standing policy for patients) W - Chapter 14 Immobilization Techniques Lecture in X-ray lab
10	Nov 9-13	M -X-ray lab Demonstrate Immobilization views evaluation (WT 216 Lab not available)
11	Nov 16-20	M - Location to be announced?? CPR Mediman activity SIM lab W - Chap 15 Vital signs, oxygen, chest tubes & lines Lecture
12	Nov 23-27	M - WT 216 Take vital signs evaluation W -Chap 21-22 Pharmaceutical Impacts Lecture
13	Nov 30-Dec 4	M - WT 216 IV pumps, drug administration, sharps disposal evaluation , Identify equipment and drugs on crash cart in SIM lab W - Chap 20 Medical Emergencies Lecture Trauma patients, patient's with different health conditions and abilities
14	Dec 7-11	M&W - Review and Exam prep (Sling use demo with HCA students)
15	Dec 14-18	Exam Period Dec.14-18(scheduled by registrar) - check CAMLINK. Do not book trips until the final exam schedule is posted by the registrar.

The following schedule is tentative and subject to change if deemed necessary by the instructor.

8. Grading System

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

- Standard Grading System (GPA)
- Competency Based Grading System

Standard Grading System (GPA)

Percentage	Grade	Description	Grade Point Equivalency
90-100	A+		9
85-89	A		8
80-84	A-		7
77-79	B+		6
73-76	B		5
70-72	B-		4
65-69	C+	Minimum level of achievement to use the course as a prerequisite.	3
60-64	C		2
50-59	D	Minimum level of achievement for which credit is granted.	1
0-49	F	Minimum level has not been achieved.	0

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. (For these courses a final grade will be assigned to either the 3 rd course attempt or at the point of
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,

9. 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://camosun.ca/services/>

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/programs/mrt/handbook.pdf>

10. General Information

Attendance

- Each student is required to sign a Laboratory Safety Contract and give it to the instructor prior to commencing laboratory work in the course.
- You are expected to attend all classes, and be on time. It is your responsibility to keep up to date on *all* information given during a class missed, incl. notes, hand-outs, assignments, changed exam dates etc. Missed exams or quizzes cannot be made up except in case of documented illness (doctor's note required). **Lab attendance is mandatory.**

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 under the Education/Academic tab:

<http://camosun.ca/about/policies/policies.html>