



CAMOSUN COLLEGE

School of Health and Human Services (HHS)

Department: Allied Health & Technologies

MRAD 277 Computed Tomography Procedures

Winter 2019

COURSE OUTLINE

The course description is available on the web:
<http://camosun.ca/learn/calendar/current/web/mrad.html#mrad277>

Ω Please note: This outline will not be kept indefinitely. It is recommended students keep this outline for their records, especially to assist in transfer credit to post-secondary institutions.

1. Instructor Information

- (a) **Instructor** Laura McCreight
(b) **Office hours** By appointment
(c) **Location** WT 212D
(d) **Phone** 250-370-3182 **Alternative:**
(e) **E-mail** McCreightL@camosun.ca
(f) **Website**

2. Course Description & Intended Learning Outcomes

In this advanced beginner course, students explore routine Computed Tomography (CT) procedures of the body. Students integrate concepts from previous and concurrent courses to support their understanding of clinical applications in CT. Using case study scenarios, students learn the basic components of a CT examination in preparation for their final clinical practicum experience.

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

- discuss routine Computed Tomography procedures used to diagnose a variety of patient conditions.
- analyze Computed Tomography images of the body using knowledge of anatomy, physiology and pathology.
- compare a variety of applications in Computed Tomography useful to clinical diagnosis.
- apply the components of a routine Computed Tomography examination in a variety of clinical practice situations.

3. Required Materials

(a) Textbooks

- Romans, LE. **Computed Tomography for Technologists- A Comprehensive Text.** Wolters Kluwer Health/Lippincott Williams & Wilkins 2011.

- Seeram, E. **Computed Tomography. Physical Principles, Clinical Applications and Quality Control**(4th Ed.) Saunders/Elsevier Inc. 2009.

(b) Other

All Previous Program Textbooks
 American Association of Medical Physicists (AAMP)
 Canadian Association of Radiologists (CAR)
 Ctisus, and other sources

Desire-to-Learn (D2L):

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 materials will include lecture notes, PowerPoint presentations, hyperlinks, Articles posted to D2L and materials covered during the laboratory sessions.

4. Course Content and Schedule

Lecture Days/ Rm Number

WT212C

Tuesday 09:30 AM - 12:30 PM

Laboratory

WT 212C

Wednesday 1:30 PM - 3:30 PM

5. Basis of Student Assessment (Weighting)

| | | |
|---|------------|---|
| Lab/Assignments | 35% | Includes competency of mannequin venipuncture/development of written/verbal communication with patients/Case studies assignments |
| Late Assignments/Quizzes 5% penalty per day if not approved in advance | | |
| Quizzes –Lectures 3x10% | 25% | |
| Cumulative Final Exam | 40% | |
| *Students must complete all assigned work, quizzes and Final exam to successfully complete the course. | | |

6. Grading System

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

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

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, Student Services or the College web site at <http://www.camosun.bc.ca>

STUDENT CONDUCT POLICY

There is a Student Conduct Policy. It is the student's responsibility to become familiar with the content of this policy. The policy is available in each School Administration Office, Registration, and on the College web site in the Policy Section.
<http://www.camosun.bc.ca/policies/policies.html>

8. College Supports, Services and Policies

Immediate, Urgent, or Emergency Support



If you or someone you know requires immediate, urgent, or emergency support (e.g., illness, injury, thoughts of suicide, sexual assault, etc.), **SEEK HELP**. Resource contacts:

<http://camosun.ca/about/mental-health/emergency.html> or
<http://camosun.ca/services/sexual-violence/get-support.html#urgent>

College Services

Camosun offers a variety of health and academic support services, including counselling, dental, centre for accessibility, help centre, learning skills, sexual violence support & education, library, and writing centre. For more information on each of these services, visit Student Services at <http://camosun.ca/services/>

College Policies

Policies are available on the College website at <http://camosun.ca/about/policies/>

Camosun strives to provide clear, transparent, and easily accessible policies that exemplify the college's commitment to life-changing learning. It is the student's responsibility to become familiar with the content of College policies.

Education and academic policies include, but are not limited to, [Academic Progress](#), [Admission](#), [Course Withdrawals](#), [Student Appeals](#), Medical/Compassionate Withdrawal, Sexual Violence and Misconduct, Student Ancillary Fees, and Student Penalties and Fines.

Student Conduct Policy

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A. GRADING SYSTEMS

<http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.5.pdf#page=2>

The following two grading systems are used at Camosun College:

1. 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+ | | 3 |
| 60-64 | C | | 2 |
| 50-59 | D | | 1 |
| 0-49 | F | Minimum level has not been achieved. | 0 |

2. Competency Based Grading System (Non GPA)

This grading system is based on satisfactory acquisition of defined skills or successful completion of the course learning outcomes.

| Grade | Description |
|-------|---|
| COM | The student has met the goals, criteria, or competencies established for this course practicum or field placement. |
| DST | The student has met and exceeded, above and beyond expectation, the goals, criteria, or competencies established for this course, practicum or field placement. |
| NC | The student has not met the goals, criteria or competencies established for this course, practicum or field placement. |

B. 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 at <http://www.camosun.bc.ca/policies/E-1.5.pdf#page=4> 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 death in the family. |
| IP | <i>In progress:</i> A temporary grade assigned for courses that are designed to have an anticipated enrollment that extends beyond one term. No more than two IP grades will be assigned for the same course. |
| 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 placement. |