



**CAMOSUN COLLEGE**  
**School of Health & Human Services**  
**Department: Allied Health & Technologies**  
**Medical Radiography**  
**MRAD 156 Relational A & P for Technologists**  
**Winter 2021**



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## **COURSE OUTLINE**

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**The course description is available on the web:**  
<http://camosun.ca/learn/calendar/current/web/mrad.html#MRAD156>

Camosun College will continue to follow the guidance of the Provincial Health Officer, the B.C. Government and WorkSafeBC, and as such may revise the delivery of courses. Courses with an approved face-to-face component may need to move to online or remote delivery if necessary.

The COVID-19 pandemic has presented many challenges, and Camosun College is committed to helping you safely complete your education. Following guidelines from the Provincial Health Officer, WorkSafe BC and the B.C. Government to ensure the health and wellbeing of students and employees Camosun College is providing you with every possible protection to keep you safe including COVID Training for students and employees, health checks, infection control protocols including sanitization of spaces, PPE and ensuring physical distancing. Please refer to: <http://camosun.ca/covid19/faq/covid-faqs-students.html>

However, if you're at all uncomfortable being on campus, please share your concerns with your Instructor and if needed, alternatives will be discussed.

*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.*

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### **1. Instructor Information**

- (a) Instructor**      Jana Suraci
- (b) Office hours**    By Appointment
- (c) Location**        Online
- (d) Phone**            250-370-3000 ext. 4755      **Alternative:**    N/A
- (e) E-mail**            [suracij@camosun.bc.ca](mailto:suracij@camosun.bc.ca)
- (f) Website**          <http://camosun.ca/learn/programs/medical-radiography/>

### **2. Course Description & Intended Learning Outcomes**

In this advanced beginner course, students complete an in-depth examination of the relational anatomy and physiology of the musculoskeletal, respiratory, and cardiovascular systems. Students enhance their understanding of anatomic relationships and physiologic functions using various medical imaging studies and a variety of illustrative media.

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

- a) interpret anatomical structures and relationships of the musculoskeletal, respiratory, and cardiovascular systems using multi-media including medical images.
- b) discuss the physiological function of the musculoskeletal, respiratory, and cardiovascular systems as they pertain to the practice of medical imaging.

- c) compare and contrast the anatomic and physiologic information obtained by various medical imaging modalities.

### 3. Required Materials

Patton, K. & Thibodeau, G. (2016). *Anatomy & Physiology* (10<sup>th</sup> ed.) Textbook & Lab Manual. Elsevier Health Sciences.

As part of this course, an iPad will be supplied as a required item.

The return of the iPad in useable undamaged condition is a gradable item that will be assessed as complete, or incomplete.

Students must return the iPad and all supplies (charger, keyboard, case) by the completion of the course in order to get a complete grade in the course. Should the iPad not be returned, or, returned in a damaged condition that is irreparable or unusable, an \$800 replacement cost will be charged to the student.

In order to take possession of the iPad, [a lending contract](#) needs to be signed upon taking possession of the iPad indicating device condition, device identification, acknowledgement of the conditions of use, as well as an understanding of the assumed risk.

### 4. Course Content and Schedule

**Lecture Days/Times & Room Number:** Monday 0930-1120 & Thursday 0930-1120, WT 212C

#### Course Schedule:

Week	Dates (M-Fri)	Modules	Chapter/Topic	Assignments
1	Jan 11-15	Intro /MSK	Course Intro & Objective Review Ch. 15 Part 1: Axial Muscles	Week 1 Assignment
2	Jan 18-22	MSK	Ch. 15 Part 2: Axial Muscles	Week 2 Assignment
3	Jan 25-29		Ch. 16 Part 1: Appendicular Muscles	Week 3 Assignment
4	Feb 1-5		Ch. 16 Part 2: Appendicular Muscles	Week 4 Assignment
5	Feb 8-12		Ch. 17 Muscle Contraction	Week 5 Assignment <b>Quiz 1 (10%)</b>
6	Feb 15-19		Reading Break	
7	Feb 22-26	CARDIO	Ch. 28 Heart	Week 7 Assignment
8	March 1-5		Ch. 29 Blood Vessels	Week 8 Assignment
9	March 8-12		Ch. 30 Circulation of Blood	Week 9 Assignment <b>Quiz 2 (10%)</b>
10	March 15-19	RESPIRATORY	Ch. 35 Respiratory Tract	Week 10 Assignment
11	March 22-26		Ch. 36 Ventilation	Week 11 Assignment
12	March 29-April 2		Ch. 37 Gas Exchange & Transport	Week 12 Assignment
13	April 4-8		<b>No Class Easter Monday</b> <b>*Review to be posted</b>	<b>Quiz 3 (10%)</b>
14	April 11-15		Flex Week	Flex Week
15	April 25-29		Exam Week	<b>Exam</b>

***The course schedule is subject to change at the discretion of the instructor.  
Do not make personal plans until the final exam schedule is posted by the registrar.***

## 5. Basis of Student Assessment (Weighting)

Participation/Professionalism: 5%  
Weekly Assignments: 20%  
Project: 15%  
Quizzes: 30%  
Cumulative Final Exam: 30%  
Total: 100%

### TEST AND EXAMINATION PROCEDURES

There are policies regarding written test and examination procedures including late arrivals and missed tests. Please see the Health and Human Services Student Handbook item 5.4 for Test and Examination Procedures at <http://camosun.ca/learn/school/health-human-services/student-info/index.html>

### WRITTEN ASSIGNMENTS

Assignments are due before 2400 hours (midnight) on the assigned day unless otherwise specified. Assignments about patients, residents or clients must be completed using the individual's initials only. Unless otherwise directed by individual course outlines, assignments must be: word processed, double spaced, font meeting APA 7th edition guidelines, with a title page and a reference list. Students requiring an extension for the due date of an assignment must negotiate with the instructor, at least 48 hours before the due date. Assignments submitted late without an approved extension will result in a 5% deduction in mark for each day late.

## 6. Grading System

- Standard Grading System (GPA)  
 Competency Based Grading System

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

### Optional Textbooks:

Drake, R.L., Vogl, W., & Mitchell, A.W.M. (2015). *Gray's Anatomy for Students* (3rd ed.). Churchill Livingstone.

## 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

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 website.

## 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.