



CAMOSUN COLLEGE
School of Health & Human Services
Department: Allied Health & Technologies
Medical Radiography



MRAD 156 Relational A & P for Technologists
Summer 2019

COURSE OUTLINE

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

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** Jana Suraci
- (b) **Office hours** Mondays and Thursdays 11:30-12:20 or by appointment
- (c) **Location** MRT 212D
- (d) **Phone** 250-370-3996 **Alternative:** N/A
- (e) **E-mail** suracij@camosun.bc.ca
- (f) **Website** <http://online.camosun.ca/>

2. Course Description & Intended Learning Outcomes

Description:

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* (10th ed.) Textbook & Lab Manual. Elsevier Health Sciences.

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	Monday	Thursday	Assignments	
1	May 6-10 1st Day: Tues. May 7th	Intro & Review	Schedule change: Tues. May 7th Course Intro & Objective Review	Brief Review of Skeletal System (covered in depth during MRAD 106) & Cellular Structure (Sections from Chapter 5)		
2	May 13-17	MSK	Intro to Tissues (Chapter 8)	Tissue Types (Chapter 9)		
3	May 20-24		NO CLASS May 20 - STAT HOLIDAY	Axial Muscles (Chapter 15 – Part 1)		
4	May 27-31		Axial Muscles (Chapter 15 – Part 2)	Appendicular Muscles (Chapter 16 – Part 1)		
5	June 3-7		Appendicular Muscles (Chapter 16 – Part 2)	Muscle Contraction (Chapter 17)		
6	June 10-14		MSK Review	Quiz 1 (15%) Heart (Chapter 28)		
7	June 17-21	CARDIO	Heart (Chapter 28) Blood Vessels (Chapter 29 – Part 1)	Blood Vessels (Chapter 29 – Part 2), Circulation of Blood (Chapter 30 – Part 1)		
8	June 24-28		Circulation of Blood (Chapter 30 – Part 2)	Cardiac Imaging, Review		
9	July 1-5		NO CLASS JULY 1 - STAT HOLIDAY	Quiz 2 (15%) Respiratory Tract (Chapter 25)		
10	July 8-12	RESPIRATORY	Ventilation (Chapter 36 – Part 1)	Ventilation (Chapter 36 – Part 2)		
11	July 15-19		Gas Exchange & Transport (Chapter 37 – Part 1)	Gas Exchange & Transport (Chapter 37 – Part 2)		
12	July 22-26		Flex day	Respiratory Imaging Review		
13	July 29-Aug 2		Quiz 3 (15%)	Cumulative Review Q & A	Dropbox Final Project Aug 2 nd *	
14	Aug 5-Aug 9 NO CLASS AUG 5 – STAT HOLIDAY	Presentations	NO CLASS AUG 5 – STAT HOLIDAY Project presentations (10%)	Project presentations		
15	August 12 - 16	Cumulative Written Final on Covered Chapters & Images (30%)				

***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)

Professionalism: 5%
Module Quizzes: 45%
Mini-Assessments: 10%
Project: 10%
Cumulative Final Exam: 30%
Total: 100%

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

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.