



# CAMOSUN COLLEGE

School of Health and Human Services (HHS)

Department: Allied Health & Technologies  
Medical Radiography



[Camosun.ca/hhs-handbook](http://camosun.ca/hhs-handbook)

## MRAD 173 Pathology for Radiographers – Part A Summer 2019

### COURSE OUTLINE

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The course description is available on the web:  
<http://camosun.ca/learn/calendar/current/web/mrad.html#mrad173>

*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** 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](mailto:suracij@camosun.bc.ca)
- (f) **Website** <http://online.camosun.ca/>

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

In this advanced beginner course, students explore various musculoskeletal, respiratory, and cardiovascular pathologies due to disease and trauma. Students study images obtained from a variety of sources illustrating the appearance of pathological conditions common to these systems. To better understand how pathology impacts patient care and technical considerations for the radiographer, students discuss and experiment with adaptive actions and plan appropriate practice responses during laboratory activities.

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

- a) discuss the nature and effects of pathophysiologic processes on the human body as they pertain to radiographic imaging.
- b) organize commonly occurring pathological conditions of the musculoskeletal, respiratory, and cardiovascular systems by classification, etiology, pathogenesis, signs and symptoms, treatment, and radiographic appearance.
- c) apply knowledge of commonly occurring pathological conditions of the musculoskeletal, respiratory, and cardiovascular systems as they pertain to the components of a radiographic examination.

### 3. Required Materials

Eisenberg, Ronald L., Johnson, Nancy M. (2007). *Comprehensive Radiographic Pathology*. (6<sup>th</sup> ed.) Mosby Elsevier, St. Louis, Mi.

Kowalczyk, N., & Mace, J.D. (2008). *Radiographic Pathology for Technologists* (6<sup>th</sup> ed.). Mosby.

#### Optional Textbooks:

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

### 4. Course Content and Schedule

**Days/Times & Room Number: Lecture:** Wednesday 09:30 – 11:20, WT 212C and

**Lab:** Wednesday 12:30-13:20 WT 212C

#### Course Schedule:

Week	Dates (M-F)	Modules	Wednesday (Lecture)	Wednesday (Lab)	Assignments
1	May 6-10	Module 1 – Intro to Pathology <ul style="list-style-type: none"> <li>Chapters 1 in both books (Eisenberg &amp; Kowalczyk)</li> <li>Chapter 2 in Eisenberg</li> </ul>	Course intro & review of objectives Intro to Pathology & Classification of Disease	Activities	
2	May 13-17		Specialized Imaging	Review of Medical Terminology	
3	May 21-25		Specialized imaging Review Q & A	Patient Requisitions/ Signs & Symptoms	
4	May 27- May 31	Module 2 – Skeletal System Pathologies <ul style="list-style-type: none"> <li>Traumatic Injury Chapter 12 in Kowalczyk</li> <li>Chapter 4 – Eisenberg</li> <li>Chapter 2 – Kowalczyk</li> </ul>	<b>Quiz 1</b> Skeletal Trauma	Activities	Submit Case Study Assignment 1 to Dropbox June 2 (5%)
5	June 3-7		Skeletal Trauma	Mini Presentations	
6	June 10-14		Skeletal Pathologies	Patient Considerations/ Outcomes & Treatments	
7	June 17-21		Skeletal Pathologies	Skeletal Pathologies/MISC	Submit Case Study Assignment 2 to Dropbox June 23 (7.5%)
8	June 24-28		<b>Midterm</b>	Skeletal Pathologies/MISC	
9	July 1-July 5	Module 3 – Cardiovascular System Pathology <ul style="list-style-type: none"> <li>Chapter 7 – Eisenberg</li> <li>Chapter 4 – Kowalczyk</li> </ul>	Cardiovascular Pathologies	Cardiovascular Pathologies	
10	July 8-12		Cardiovascular Pathologies	Cardiovascular Pathologies	Submit Case Study Assignment 3 to Dropbox July 14 (7.5%)
11	July 15-19		<b>Quiz 2</b>	Mini Presentations	

12	July 22-26	Module 4 – Respiratory System Pathology • Chapter 3 – Eisenberg • Chapter 3 – Kowalczyk	Respiratory Pathologies	Activities	
13	July 29-Aug 2		Respiratory Pathologies	Activities	
14	Aug 5-9		Respiratory Pathologies And Review	Activities	
15	August 12-16		<b>Cumulative Written Final on Covered Chapters &amp; Images</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)

Professionalism 5%  
Quizzes 20%  
Midterm 25%  
Case Study Assignments 20%  
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

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.
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.