



# CAMOSUN COLLEGE

School of Health and Human Services (HHS)

Department: Allied Health & Technologies

## MRAD 266 Introduction to Cross Sectional Anatomy Winter 2019

### COURSE OUTLINE

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The course description is available on the web:  
<http://camosun.ca/learn/calendar/current/web/mrad.html#mrad266>

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** Brent Mekelburg
- (b) **Office hours** By appointment
- (c) **Location** WT 212D
- (d) **Phone** 250-370-3992 **Alternative:**
- (e) **E-mail** mekelburgb@camosun.ca
- (f) **Website** camosun.ca

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

In this advanced-beginner course, students explore three dimensional perspectives of the body using data from relevant medical imaging studies. Emphasis is placed on relating body planes to regional anatomy and correlating these to anatomic landmarks used for patient positioning. Students learn how sectional imaging is used in various medical imaging modalities.

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

- a) describe specific anatomic relationships between the axial plane, relational anatomy, and surface features of the body.
- b) compare and contrast normal, variant, and abnormal anatomic representations on sectional images.
- c) predict how anatomic features will appear on orthogonal images and multi-planar reconstructions.
- d) discuss the value and limitations of sectional imaging as it pertains to diagnosing disease and trauma.

#### 3. Required Materials

Kelley, L. L., & Petersen, C. (2013). *Sectional anatomy for imaging professionals*. Elsevier Health Sciences. (4<sup>th</sup> ed.)

#### 4. Course Content and Schedule

Week	Dates	Module	Chapter	Quizzes
1	January 7	Introduction	1	
2	Jan 14	Upper Extremity	9	Reading 1
3	Jan 21	Lower Extremity	10	Reading 2
4	Jan 28	Cranium	2	Reading 3
5	Feb 4	Brain	3	Reading 4
6	Feb 11	Midterm Exam		
7	Feb 18	Reading Week: No Classes		
8	Feb 25	Spine	4	Reading 5
9	Mar 4	Neck	5	Reading 6
10	Mar 11	Thorax (AET Clinic)	6	
11	Mar 18	Abdomen	7	Reading 7
12	Mar 25	Abdomen	7	Reading 8
13	Apr 1	Pelvis	8	Reading 9
14	Apr 8	Final Exam		
15	Apr 15	FINAL EXAM PERIOD		

#### 5. Basis of Student Assessment (Weighting)

Reading Quizzes	15%
Labs	20%
Midterm Exam	30%
Final Exam	35%
<b>TOTAL</b>	<b>100%</b>

#### 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.

Spratt, J. D., Salkowski, L. R., Weir, J., & Abrahams, P. H. (2010). *Imaging atlas of human anatomy*. Elsevier Health Sciences.

## 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
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## 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.