



Course Syllabus

Course title: Introduction to Cross Sectional Anatomy

Class section: AHLT - 266 - BX01

Term: 2025S

Course credits: 3

Total hours: 60

Delivery method: Blended

Territorial acknowledgment

Camosun College respectfully acknowledges that our campuses are situated on the territories of the Lək̓ʷəŋən (Songhees and Kosapsum) and W̱SÁNEĆ peoples. We honour their knowledge and welcome to all students who seek education here.

Instructor details

Name: Matthew Barbas

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Course description

Course Description:

Students explore three dimensional perspectives of the body using data from program 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.

Pre or Co-requisites:

All of:

- C+ in MRAD 156
- C+ in MRAD 256

Or all of:

- B in Biology 12 or B in Camosun Alternative
- C+ in MIDS 127

Learning outcomes

Upon successful completion of this course, the learner will be able to

1. Describe specific anatomic relationships between the axial plane, relational anatomy, and surface features of the body
2. Compare and contrast normal, variant, and abnormal anatomic representations on sectional images
3. Predict how anatomic features will appear on orthogonal images and multi-planar reconstructions
4. Discuss the value and limitations of sectional imaging as it pertains to diagnosing disease and trauma

Course materials

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

Kelley, L. L., & Petersen, C. (2013). Workbook Sectional anatomy for imaging professionals. Elsevier Health Sciences. (4th ed.)

Complete Anatomy iPad Application

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 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.

D2L-Desire to Learn

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 features it has to make this course experience enriching. Log on at <https://online.camosun.ca/> to access these materials. Additional resources may include, but are not limited to: lecture notes, PowerPoint slides, laboratory manuals and hyperlinks.

Course schedule

WEEK	DATE (2025)	TOPIC	CHAPTER READINGS	LEARNING OUTCOMES	LEARNING OBJECTIVES	SONOGRAPHY CANADA COMPETENCY
1	May 5	Lesson 1: Introduction to Cross Sectional Anatomy	1	a, b, c, d	1.0-1.13	5.2b

WEEK	DATE (2025)	TOPIC	CHAPTER READINGS	LEARNING OUTCOMES	LEARNING OBJECTIVES	SONOGRAPHY CANADA COMPETENCY
		Lesson 2: LAB: Complete Anatomy Walk Through and Tutorials		a, b, c, d	2.0	N/A
2	May 12	Lesson 3: Abdomen: Part 1	7	a, b, c, d	3.0-3.16	5.2b
		Lesson 4: LAB: Abdominal Anatomy Part 1		a, b, c, d	4.0	N/A
3	May 19	VICTORIA DAY ☺, NO CLASS	4	May 22		4
		NO LAB				
4	May 26	Lesson 5: Abdomen: Part 2	7	a, b, c, d	5.0-5.7	5.2b

WEEK	DATE (2025)	TOPIC	CHAPTER READINGS	LEARNING OUTCOMES	LEARNING OBJECTIVES	SONOGRAPHY CANADA COMPETENCY
		Lesson 6: LAB: Abdominal Anatomy Part 2		a, b, c, d	6.0	N/A
5	June 2	Lesson 7: Pelvic Anatomy QUIZ #1	8	a, b, c, d	7.0-7.29	5.2b
		Lesson 8: LAB: Pelvic Anatomy		a, b, c, d	8.0	N/A
6	June 9	Lesson 9: Thoracic Anatomy	6	a, b, c, d	9.0-9.27	5.2b
		Lesson 10: LAB: Thoracic Anatomy		a, b, c, d	10.0	N/A
7	June 16	Midterm Exam				

WEEK	DATE (2025)	TOPIC	CHAPTER READINGS	LEARNING OUTCOMES	LEARNING OBJECTIVES	SONOGRAPHY CANADA COMPETENCY
		No Lab this week				
8	June 23	Lesson 11: Cranium and Brain	2&3	a, b, c, d	11.0-11.18	5.2b
		Lesson 12: LAB: Cranium and Brain		a, b, c, d	12.0	N/A
9	June 30	Lesson 13: Spine and Neck	4&5	a, b, c, d	13.0-13.19	5.2b
		Lesson 14: LAB: Spine and Neck		a, b, c, d	14.0	N/A
10	July 7	Lesson 15: Upper Extremities	9	a, b, c, d	15.0-15.13	5.2b
		Lesson 16: LAB: Upper Extremities		a, b, c, d	16.0	N/A

WEEK	DATE (2025)	TOPIC	CHAPTER READINGS	LEARNING OUTCOMES	LEARNING OBJECTIVES	SONOGRAPH Y CANADA COMPETENCY
11	July 14	Lesson 17: Lower Extremities QUIZ #2	10	a, b, c, d	17.0-17.13	5.2b
		Lesson 18: LAB: Lower Extremities		a, b, c, d	18.0	N/A
12	July 21	Flex Week				
		No LAB				
13	July 28	Final Exam Review				
		LAB: Review of Important Topics				
14	Aug. 4	BC Day No Class				
		NO LAB				
15	Aug. 11	Final Exam Week				
		NO LAB				

Assessment and evaluation

Type	Description	Weight
Quizzes	Two quizzes at 10% each	20%
Assignment	Lab Assignments (8 at 2.5% each)	20%

Type	Description	Weight
Examination	Midterm Exam	25%
Examination	Final Exam	35%

Course guidelines and expectations

Lectures will take place every Monday at 10:30 am on campus in the Alexander and Jo Campbell Building for Health and Wellness.

Labs will be online using the Complete Anatomy program on the school provided iPad or your own PC. The lab activities that are assigned to you will be posted on D2L under Assignments and are due by midnight on Sunday.

School or departmental information

Health & Human Services Student Handbook: <http://camosun.ca/learn/school/health-human-services/student-info/index.html>

General Practicum Information: <http://camosun.ca/learn/school/health-human-services/student-info/practicum-info.html>

Allied Health & Technologies Department Handbooks:

- Certified Medical Laboratory Assistant: <http://camosun.ca/learn/school/health-human-services/student-info/program-info/cmla.html>
- Diagnostic Medical Sonography: <http://camosun.ca/learn/school/health-human-services/student-info/program-info/sono.html>
- Medical Radiography: <http://camosun.ca/learn/school/health-human-services/student-info/program-info/mrad.html>

Students enrolled in Allied Health & Technologies Programs must achieve a minimum of 65% or a "COM" in each of their courses in order to use their course as a pre-requisite and

progress in their program.

Students enrolled in Allied Health & Technologies Programs must participate in learning activities that include intimate and direct personal contact with their classmates during supervised practice. Students are training to perform the duties of a healthcare professional. These duties usually require constant, close physical contact with patients and clients. Students may be required to simulate and perform these activities on one another during this course. Students may also be required to use special hygiene practices and protective gear to protect themselves from the transmission of communicable diseases (like COVID-19). Risks associated with learning and performing the physical duties of a healthcare profession cannot be entirely eliminated by any amount of caution or protection. Students who refuse, or are incapable of participating and performing these activities due to personal or medical limitations, may only continue to participate in their course work when supported by officially registered accommodations or temporary medical advisory.

College policies and student responsibilities

The college expects students to be responsible, respectful members of the college community. Responsible students meet expectations about attendance, assignments, deadlines, and appointments. They become familiar with academic policies and regulations, and their rights and responsibilities.

College policies are available online at the [Policies and Directives](#) page. Academic regulations are detailed on the [Academic Policies and Procedures for Students](#) page.

Policies all students should be familiar with include the [Academic Integrity Policy](#). This policy expects students to be honest and ethical in all aspects of their studies. It defines plagiarism, cheating, and other forms of academic dishonesty. Infractions of this policy can result in loss of marks or a failing grade. To learn more about plagiarism and cheating, including the use of artificial intelligence, review the [Academic Integrity Guide](#).

The [Academic Accommodations for Students with Disabilities Policy](#) defines how Camosun provides appropriate and reasonable academic accommodations. The Centre for Accessible Learning (CAL) coordinates academic accommodations. Students requiring academic accommodations should request and arrange accommodations through CAL. Contact CAL at least one month before classes start to ensure accommodations can be put in place in time. Accommodations for quizzes, tests, and exams must follow CAL's booking procedures and deadlines. More information is available on the [CAL website](#).

Students must meet the grading and promotion standards to progress academically. More information is available in the [Grading Policy](#).

The college uses two grading systems. A course will either use the standard letter grade system (A+ to F) or a competency-based approach with grades of complete, completed with distinction or not completed. Visit the [Grades/GPA page](#) for more information.

Students must meet the college's academic progress standards to continue their studies. A student is not meeting the standards of progress when a GPA falls below 2.0. The college offers academic supports for students at risk of not progressing. The [Academic Progress Policy](#) provides more details.

If you have a concern about a grade, contact your instructor as soon as possible. The process to request a review of grades is outlined in the [Grade Review and Appeals Policy](#).

The [Course Withdrawals Policy](#) outlines the college's requirements for withdrawing from a course. Consult the [current schedule](#) of deadlines for fees, course drop dates, and tuition refunds.

If students experience a serious health or personal issue, they may be eligible for a [medical or compassionate withdrawal](#). The [Medical/Compassionate Withdrawal Request Form](#) outlines what is required.

The [Acceptable Technology Use](#) policy ensures the use of the college network and computers contribute to a safe learning environment. This policy also applies to the use of personal devices with the college network.

Students experiencing sexual violence can get support from the Office of Student Support. This Office of Student support is a safe and private place to discuss supports and options. More information is available on the [sexual violence support and education site](#). Students can email oss@camosun.ca or phone 250-370-3046 or 250-370-3841.

The [Student Misconduct Policy](#) outlines the college's expectations of conduct. Students should behave to contribute to a positive, supportive, and safe learning environment.

The [Ombudsperson](#) provides an impartial, independent service to help students understand college policies.

Services for students

Successful students seek help and access college services. These services are recommended to make the most of your time at college.

Services for Academic Success

- [Career Lab](#): Connects students with work-integrated learning experiences, including co-op placements and career fairs.
- [English, Math, and Science Help Centres](#): Get one-on-one help with homework.
- [Library](#): Get help with research, borrow materials, and access e-journals and e-books. Libraries at both campuses provide computers, individual and group study spaces.
- [Makerspace](#): A place to innovate, collaborate, and learn new skills and technology in a fun, dynamic, inclusive environment.
- [Writing Centre & Learning Skills](#): Get assistance with academic writing or meet with a learning skills specialist for help with time management, preparing for exams, and study skills.

Enrolment, Registration, and Records

- [Academic Advising](#): Talk to an academic advisor for help with program planning.
- [Financial Aid and Awards](#): Learn about student loans, bursaries, awards, and scholarships.
- [Registration](#): Get information about Camosun systems, including myCamosun, and college policies and procedures.
- [Student Records](#): Get verification of enrolment to access funding, request a transcript, or credential.

Wellness and Cultural Supports

- [Counselling](#): It's normal to feel overwhelmed or unsure of how to deal with life's challenges. The college's team of professional counsellors are available to support you to stay healthy. Counselling is free and available on both campuses. If you need urgent support after-hours, contact the Vancouver Island Crisis Line at 1-888-494-3888 or call 911.
- [Centre for Indigenous Education and Community Connections](#): Provides cultural and academic supports for Indigenous students.
- [Camosun International](#): Provides cultural and academic supports for international students.
- [Fitness and Recreation](#): Free fitness centres are located at both campuses.

For a complete list of college services, see the [Student Services](#) page.

Changes to this syllabus

Every effort has been made to ensure that information in this syllabus is accurate at the time of publication. The College reserves the right to change the course content or schedule. When changes are necessary the instructor will give clear and timely notice.

