

# CLASS SYLLABUS



COURSE TITLE: AHLT 266 - Intro to Sectional Anatomy  
CLASS SECTION: DX01  
TERM: S2024  
COURSE CREDITS: 3  
DELIVERY METHOD(S): Blended

Camosun College campuses are located on the traditional territories of the Ləkʷəŋən and W̱SÁNEĆ peoples. We acknowledge their welcome and graciousness to the students who seek knowledge here. Learn more about Camosun's [Territorial Acknowledgement](#).

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<https://camosun.ca/about/covid-19-updates>

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*Camosun College requires mandatory attendance for the first class meeting of each course. If you do not attend, and do not provide your instructor with a reasonable explanation in advance, you will be removed from the course and the space offered to the next waitlisted student.*

## INSTRUCTOR DETAILS

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NAME: Matthew Barbas  
EMAIL: BarbasM@camosun.ca  
OFFICE: CHW 317  
HOURS: By Appointment

*As your course instructor, I endeavour to provide an inclusive learning environment. However, if you experience barriers to learning in this course, do not hesitate to discuss them with me. Camosun College is committed to identifying and removing institutional and social barriers that prevent access and impede success.*

## CALENDAR DESCRIPTION

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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.

PREREQUISITE(S): N/A

CO-REQUISITE(S): N/A

PRE/CO-REQUISITE(S): **All of:** C+ in MRAD 156; C+ in MRAD 256 **OR All of:** B in Biology 12; C+ in MIDS 127

## COURSE DELIVERY

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| ACTIVITY | HOURS / WEEK | # OF WEEKS | ACTIVITY HOURS |
|----------|--------------|------------|----------------|
| Lecture  | 2            | 15         |                |
| Seminar  |              |            |                |

|                               |                    |    |           |
|-------------------------------|--------------------|----|-----------|
| Lab / Collaborative Learning  | 2                  | 15 |           |
| Supervised Field Practice     |                    |    |           |
| Workplace Integrated Learning |                    |    |           |
| Online                        |                    |    |           |
|                               | <b>TOTAL HOURS</b> |    | <b>60</b> |

## COURSE LEARNING OUTCOMES

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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.

## COURSE OBJECTIVES AND MAPPED PROFESSIONAL COMPETENCIES

(also known as “sub-outcomes” or “learning objectives”)

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### Sonography Canada Competencies:

#### Area 5

5.2b -Correlate results from diagnostic imaging (radiography, computerized tomography, nuclear medicine and magnetic resonance studies).

## REQUIRED MATERIALS & RECOMMENDED PREPARATION / INFORMATION

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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.

## COURSE SCHEDULE, TOPICS, AND ASSOCIATED PREPARATION / ACTIVITY / EVALUATION

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The following schedule and course components are subject to change with reasonable advance notice, as deemed appropriate by the instructor.

| WEEK | DATE (2024) | TOPIC                                                                | CHAPTER READINGS | LEARNING OUTCOMES | LEARNING OBJECTIVES | SONOGRAPHY CANADA COMPETENCY |
|------|-------------|----------------------------------------------------------------------|------------------|-------------------|---------------------|------------------------------|
| 1    | May 6       | <u>Lesson 1:</u><br>Introduction to Cross Sectional Anatomy          | 1                | <i>a, b, c, d</i> | 1.0-1.13            | 5.2b                         |
|      |             | <u>Lesson 2:</u><br>LAB: Complete Anatomy Walk Through and Tutorials |                  | <i>a, b, c, d</i> | 2.0                 | N/A                          |
| 2    | May 13      | <u>Lesson 3:</u><br>Abdomen: Part 1                                  | 7                | <i>a, b, c, d</i> | 3.0-3.16            | 5.2b                         |
|      |             | <u>Lesson 4:</u><br>LAB: Abdominal Anatomy Part 1                    |                  | <i>a, b, c, d</i> | 4.0                 | N/A                          |
| 3    | May 20      | VICTORIA DAY ☹️, NO CLASS                                            | 4                | May 22            |                     | 4                            |
|      |             | NO LAB                                                               |                  |                   |                     |                              |
| 4    | May 27      | <u>Lesson 5:</u><br>Abdomen: Part 2                                  | 7                | <i>a, b, c, d</i> | 5.0-5.7             | 5.2b                         |
|      |             | <u>Lesson 6:</u><br>LAB: Abdominal Anatomy Part 2                    |                  | <i>a, b, c, d</i> | 6.0                 | N/A                          |
| 5    | June 3      | <u>Lesson 7:</u><br>Pelvic Anatomy<br><b>QUIZ #1</b>                 | 8                | <i>a, b, c, d</i> | 7.0-7.29            | 5.2b                         |
|      |             | <u>Lesson 8:</u><br>LAB: Pelvic Anatomy                              |                  | <i>a, b, c, d</i> | 8.0                 | N/A                          |
| 6    | June 10     | <u>Lesson 9:</u><br>Thoracic Anatomy                                 | 6                | <i>a, b, c, d</i> | 9.0-9.27            | 5.2b                         |
|      |             | <u>Lesson 10:</u><br>LAB: Thoracic Anatomy                           |                  | <i>a, b, c, d</i> | 10.0                | N/A                          |
| 7    | June 17     | <u>Lesson 11:</u><br>Cranium and Brain                               | 2&3              | <i>a, b, c, d</i> | 11.0-11.18          | 5.2b                         |
|      |             | <u>Lesson 12:</u><br>LAB: Cranium and Brain                          |                  | <i>a, b, c, d</i> | 12.0                | N/A                          |
| 8    | June 24     | <b>Midterm Exam</b>                                                  |                  |                   |                     |                              |
|      |             | <b>No Lab this week</b>                                              |                  |                   |                     |                              |

| WEEK | DATE (2024) | TOPIC                                                    | CHAPTER READINGS | LEARNING OUTCOMES | LEARNING OBJECTIVES | SONOGRAPHY CANADA COMPETENCY |
|------|-------------|----------------------------------------------------------|------------------|-------------------|---------------------|------------------------------|
| 9    | July 1      | <b>Canada Day! No Class</b>                              |                  |                   |                     |                              |
|      |             | <b>No Lab this week</b>                                  |                  |                   |                     |                              |
| 10   | July 8      | <b>Lesson 13:</b><br>Spine and Neck                      | 4&5              | <i>a, b, c, d</i> | 13.0-13.19          | 5.2b                         |
|      |             | <b>Lesson 14:</b><br>LAB: Spine and Neck                 |                  | <i>a, b, c, d</i> | 14.0                | N/A                          |
| 11   | July 15     | <b>Lesson 15:</b><br>Upper Extremities                   | 9                | <i>a, b, c, d</i> | 15.0-15.13          | 5.2b                         |
|      |             | <b>Lesson 16:</b><br>LAB: Upper Extremities              |                  | <i>a, b, c, d</i> | 16.0                | N/A                          |
| 12   | July 22     | <b>Lesson 17:</b><br>Lower Extremities<br><b>QUIZ #2</b> | 10               | <i>a, b, c, d</i> | 17.0-17.13          | 5.2b                         |
|      |             | <b>Lesson 18:</b><br>LAB: Lower Extremities              |                  | <i>a, b, c, d</i> | 18.0                | N/A                          |
| 13   | July 29     | <b>Flex Week/Final Exam Review</b>                       |                  |                   |                     |                              |
|      |             | LAB: Review of Important Topics                          |                  |                   |                     |                              |
| 14   | Aug. 5      | <b>BC Day No Class</b>                                   |                  |                   |                     |                              |
|      |             | <b>NO LAB</b>                                            |                  |                   |                     |                              |
| 15   | Aug. 12     | <b>Final Exam Week</b>                                   |                  |                   |                     |                              |
|      |             | <b>NO LAB</b>                                            |                  |                   |                     |                              |

Students registered with the Centre for Accessible Learning (CAL) who complete quizzes, tests, and exams with academic accommodations have booking procedures and deadlines with CAL where advanced noticed is required. Deadlines scan be reviewed on the [CAL exams page](http://camosun.ca/services/accessible-learning/exams.html). <http://camosun.ca/services/accessible-learning/exams.html>

## STUDENT EVALUATION

| DESCRIPTION          | WEIGHTING |
|----------------------|-----------|
| Quizzes (2@10% each) | 20%       |
| Labs (8@2.5% each)   | 20%       |
| Midterm Exam         | 25%       |

| DESCRIPTION | WEIGHTING |
|-------------|-----------|
| Final Exam  | 35%       |
|             | TOTAL     |
|             | 100%      |

If you have a concern about a grade you have received for an evaluation, please come and see me as soon as possible. Refer to the [Grade Review and Appeals](#) policy for more information.

### COURSE GUIDELINES & EXPECTATIONS

Lectures will take place every Monday at 10:30 am on campus in the Alexander and Jo Campbell Building for Health and Wellness in room 351.

Labs will be online using the Complete Anatomy program on the school provided iPad assigned to you on your first day of lecture. 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.

### STUDENT RESPONSIBILITY

Enrolment at Camosun assumes that the student will become a responsible member of the College community. As such, each student will display a positive work ethic, assist in the preservation of College property, and assume responsibility for their education by researching academic requirements and policies;

demonstrating courtesy and respect toward others; and respecting expectations concerning attendance, assignments, deadlines, and appointments.

## SUPPORTS AND SERVICES FOR STUDENTS

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Camosun College offers a number of services to help you succeed in and out of the classroom. For a detailed overview of the supports and services visit <http://camosun.ca/students/>.

| Support Service                     | Website                                                                                   |
|-------------------------------------|-------------------------------------------------------------------------------------------|
| Academic Advising                   | <a href="http://camosun.ca/advising">http://camosun.ca/advising</a>                       |
| Accessible Learning                 | <a href="http://camosun.ca/accessible-learning">http://camosun.ca/accessible-learning</a> |
| Counselling                         | <a href="http://camosun.ca/counselling">http://camosun.ca/counselling</a>                 |
| Career Services                     | <a href="http://camosun.ca/coop">http://camosun.ca/coop</a>                               |
| Financial Aid and Awards            | <a href="http://camosun.ca/financialaid">http://camosun.ca/financialaid</a>               |
| Help Centres (Math/English/Science) | <a href="http://camosun.ca/help-centres">http://camosun.ca/help-centres</a>               |
| Indigenous Student Support          | <a href="http://camosun.ca/indigenous">http://camosun.ca/indigenous</a>                   |
| International Student Support       | <a href="http://camosun.ca/international/">http://camosun.ca/international/</a>           |
| Learning Skills                     | <a href="http://camosun.ca/learningskills">http://camosun.ca/learningskills</a>           |
| Library                             | <a href="http://camosun.ca/services/library/">http://camosun.ca/services/library/</a>     |
| Office of Student Support           | <a href="http://camosun.ca/oss">http://camosun.ca/oss</a>                                 |
| Ombudsperson                        | <a href="http://camosun.ca/ombuds">http://camosun.ca/ombuds</a>                           |
| Registration                        | <a href="http://camosun.ca/registration">http://camosun.ca/registration</a>               |
| Technology Support                  | <a href="http://camosun.ca/its">http://camosun.ca/its</a>                                 |
| Writing Centre                      | <a href="http://camosun.ca/writing-centre">http://camosun.ca/writing-centre</a>           |

If you have a mental health concern, please contact Counselling to arrange an appointment as soon as possible. Counselling sessions are available at both campuses during business hours. If you need urgent support after-hours, please contact the Vancouver Island Crisis Line at 1-888-494-3888 or call 911.

## COLLEGE-WIDE POLICIES, PROCEDURES, REQUIREMENTS, AND STANDARDS

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### Academic Accommodations for Students with Disabilities

The College is committed to providing appropriate and reasonable academic accommodations to students with disabilities (i.e. physical, depression, learning, etc). If you have a disability, the [Centre for Accessible Learning](#) (CAL) can help you document your needs, and where disability-related barriers to access in your courses exist, create an accommodation plan. By making a plan through CAL, you can ensure you have the

appropriate academic accommodations you need without disclosing your diagnosis or condition to course instructors. Please visit the CAL website for contacts and to learn how to get started:

<http://camosun.ca/services/accessible-learning/>

### Academic Integrity

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.13.pdf> for policy regarding academic expectations and details for addressing and resolving matters of academic misconduct.

### Academic Progress

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.1.pdf> for further details on how Camosun College monitors students' academic progress and what steps can be taken if a student is at risk of not meeting the College's academic progress standards.

### Course Withdrawals Policy

Please visit <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.2.pdf> for further details about course withdrawals. For deadline for fees, course drop dates, and tuition refund, please visit <http://camosun.ca/learn/fees/#deadlines>.

### Grading Policy

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.5.pdf> for further details about grading.

### Grade Review and Appeals

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf> for policy relating to requests for review and appeal of grades.

### Mandatory Attendance for First Class Meeting of Each Course

Camosun College requires mandatory attendance for the first class meeting of each course. If you do not attend, and do not provide your instructor with a reasonable reason in advance, you will be removed from the course and the space offered to the next waitlisted student. For more information, please see the "Attendance" section under "Registration Policies and Procedures"

(<http://camosun.ca/learn/calendar/current/procedures.html>) and the Grading Policy at

<http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.5.pdf>.

### Medical / Compassionate Withdrawals

Students who are incapacitated and unable to complete or succeed in their studies by virtue of serious and demonstrated exceptional circumstances may be eligible for a medical/compassionate withdrawal. Please visit <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.8.pdf> to learn more about the process involved in a medical/compassionate withdrawal.

### Sexual Violence and Misconduct

Camosun is committed to creating a campus culture of safety, respect, and consent. Camosun's Office of Student Support is responsible for offering support to students impacted by sexual violence. Regardless of when or where the sexual violence or misconduct occurred, students can access support at Camosun. The

Office of Student Support will make sure students have a safe and private place to talk and will help them understand what supports are available and their options for next steps. The Office of Student Support respects a student's right to choose what is right for them. For more information see Camosun's Sexualized Violence and Misconduct Policy: <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.9.pdf> and [camosun.ca/sexual-violence](http://camosun.ca/sexual-violence). To contact the Office of Student Support: [oss@camosun.ca](mailto:oss@camosun.ca) or by phone: 250-370-3046 or 250-370-3841

### Student Misconduct (Non-Academic)

Camosun College is committed to building the academic competency of all students, seeks to empower students to become agents of their own learning, and promotes academic belonging for everyone. Camosun also expects that all students to conduct themselves in a manner that contributes to a positive, supportive, and safe learning environment. Please review Camosun College's Student Misconduct Policy at <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.5.pdf> to understand the College's expectations of academic integrity and student behavioural conduct.

**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 courses if it becomes necessary so that course content remains relevant. In such cases, the instructor will give the students clear and timely notice of the changes.