

CLASS SYLLABUS



COURSE TITLE: MIDS 227: Superficial Structures
CLASS SECTION: BX01A & BX01B
TERM: S2022
COURSE CREDITS: 3
DELIVERY METHOD(S): Blended Learning

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](#).

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

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

NAME: Breanna Delgaty
EMAIL: DelgatyB@camosun.ca
OFFICE: CHW 317, 289-788-6827
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

Students enhance their understanding of the clinical applications of sonography as a diagnostic investigation tool. Students analyze anatomic relationships of small and superficial structures and while learning to recognize the normal and abnormal sonographic appearances of the breast, lymph nodes, groin, parathyroid, neck, salivary glands, superficial tissues, bursae, and thyroid. Students learn to select appropriate scanning protocols based on patient history, physiologic data, laboratory values, and complementary imaging studies.

PREREQUISITE(S): C+ in both MIDS 181 and MIDS 197
CO-REQUISITE(S): n/a
PRE/CO-REQUISITE(S): n/a

COURSE DELIVERY

ACTIVITY	HOURS / WEEK	# OF WEEKS	ACTIVITY HOURS
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Lecture	3	14	42
Seminar			
Lab / Collaborative Learning	2	14	28
Supervised Field Practice			
Workplace Integrated Learning			
Online			
	TOTAL HOURS		70

COURSE LEARNING OUTCOMES

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

- a) explain the significance of screening studies and complementary imaging on the approach to small and superficial structure sonography and discuss the selection of protocols, transducers, and impact on resultant sonographic image quality.
- b) explain how the normal and abnormal sonographic appearance of the breast, lymph nodes, groin, parathyroid, neck, salivary glands, superficial tissues, bursae, and thyroid are differentiated across gender, age, and habitus.
- c) define and apply the components of a diagnostic examination to superficial structure sonography.
- d) perform ultrasound examinations, including visual location references, all images, and measurements necessary to create a summary of the superficial structure examination within the recommended Sonography Canada guidelines for scheduling and time allotments while scanning simulated patients, live subjects, or laboratory partners.

COURSE OBJECTIVES AND MAPPED PROFESSIONAL COMPETENCIES

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

Sonography Canada Competencies:

3.3c Perform palpation of areas of interest.

Appendix B: Abdomen

- 2 Abdominal wall
- 5 Chest and Thorax

Appendix C: Superficial Structures

- 1 Breast
- 2 Inguinal region
- 3 Superficial tissues
- 5 Lymph nodes
- 6 Popliteal fossa
- 8 Salivary glands
- 9 Parathyroid
- 10 Thyroid

REQUIRED MATERIALS & RECOMMENDED PREPARATION / INFORMATION

Required

Kawamura, D. M., & Nolan, T. D. (2018). Abdomen and superficial structures (4th ed.). Philadelphia, PA: LWW.

Kawamura, D. M., & Nolan, T. D. (2018). Workbook for diagnostic medical sonography: a guide to clinical practice, abdomen and superficial structures (4th ed.). Philadelphia, PA: LWW.

Optional

Hagen-Ansert, S. L. (2018). Textbook of diagnostic sonography (8th ed.). St. Louis, MO: Elsevier.

Hagen-Ansert, S. L. (2018). Workbook for textbook of diagnostic sonography. St. Louis, MO: Elsevier/Mosby.

Henningsen, C., Kuntz, K., & Youngs, D. J. (2014). Clinical guide to sonography: exercises for critical thinking (2nd ed.). St. Louis, MO: Mosby.

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

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

Expanded Learning Outcome(s)

c-1) define and apply the following key components of an ultrasound exam: professional conduct, interpret the request, plan the procedure, establish the patient relationship, execute the procedure and conclude the procedure in relation to superficial structure sonography.

WEEK	DATE	TOPIC	READINGS	LEARNING OUTCOMES	SONOGRAPHY CANADA COMPETENCY
1	May 2	1. Introduction to course, review course outline 2. Anatomy of the neck		b	
	May 4, 6	LAB: - Selecting the appropriate transducer for small part imaging - Imaging the neck, identifying structures and landmarks		a	
2	May 9 <i>Asynchronous</i>	1. Thyroid & parathyroid anatomy 2. <i>Pathology of the thyroid and parathyroid</i>	<i>Abdomen and Superficial Structures</i> Ch. 15 pg 421-443, pg 445-448	b	<i>Appendix C: 9, 10</i>
	May 11, 13	LAB: Thyroid imaging		c-1, d	
3	May 16 <i>Asynchronous</i>	1. TIRADS and biopsies 2. Salivary glands, normal and pathology 3. <i>Miscellaneous neck masses, lymph nodes of the neck</i>	<i>Abdomen and Superficial Structures</i> Ch. 15 pg 444, pg 449-453	b	<i>Appendix C: 8, 5</i>
	May 18, 20	LAB: Thyroid Mock Assessment (timed)		c-1, d	
4	May 23 <i>Asynchronous</i>	1. NO LECTURE due to holiday (Victoria Day) 2. <i>Intro to breast ultrasound, screening programs in North America, breast screening utilizing US</i>	<i>Abdomen and Superficial Structures</i> Ch. 16 pg 455-457	a	

WEEK	DATE	TOPIC	READINGS	LEARNING OUTCOMES	SONOGRAPHY CANADA COMPETENCY
	May 25, 27	LAB: Assessment #1: Thyroid (timed)		c-1, d	
5	May 30 <i>Asynchronous</i>	1. QUIZ #1 2. Breast anatomy, male & female 3. Scan technique, scan planes/orientation and annotation	<i>Abdomen and Superficial Structures</i> Ch. 16 pg 457-464,	a, b	<i>Appendix C: 1</i>
	June 1, 3	LAB: Breast simulated scanning, Palpating areas of interest		c-1	3.3c
6	June 6 <i>Asynchronous</i>	1. Breast pathology & correlating with mammography 2. BIRADS & breast pathology cont'd, breast implants Assignment 1 Due	<i>Abdomen and Superficial Structures</i> Ch. 16 pg 465- 466 Ch 16 pg 466-496 Ch 16 pg 500-510	b	
	June 8, 10	LAB: Breast simulation 2/correlating mammo findings and breast ultrasound findings		b, c-1	
7	June 13 <i>Asynchronous</i>	1. Review Session 2. Lymph nodes of the groin & axilla 3. Popliteal fossa (anatomy/pathology), lipomas	D2L readings	b	<i>Appendix C: 5, 6</i>
	June 15, 17	LAB: Assessment 2: Breast (timed)		c-1, d	
8	June 20 <i>Asynchronous</i>	1. MIDTERM 2. Inguinal region 3. Abdominal wall/musculature, chest and thorax, superficial tissues 3. Pathology & hernias	D2L readings <i>Abdomen and Superficial Structures</i> Ch. 2 pg 13-38	b	<i>Appendix B: 2, 5</i> <i>Appendix C: 2, 3</i>
	June 22, 24	LAB: 1. Scanning the inguinal region, abdominal wall, chest and thorax. Hernia detection techniques 2. Lymph node evaluation groin/axilla, popliteal fossa, palpating techniques practice		c-1, d	3.3c
9	June 27 <i>Asynchronous</i>	1. Introduction to pediatrics, neonatal brain anatomy, scan technique 2. Neonatal brain pathology	<i>Abdomen and Superficial Structures</i> Ch. 21 pg 687-695 Ch. 21 pg 695-710		
	June 29, July 1	NO LABS due to holiday (Canada day)			
10	July 4 th <i>Asynchronous</i>	1. Neonatal brain cont'd 2. Neonatal spine anatomy	<i>Abdomen and Superficial Structures</i>		

WEEK	DATE	TOPIC	READINGS	LEARNING OUTCOMES	SONOGRAPHY CANADA COMPETENCY
			Ch. 22 pg 715-718		
	July 6, 8	LAB: Review / Open Scan			
11	July 11 <i>Asynchronous</i>	1. Neonatal spine scan technique, Neonatal spine pathology 2. Pyloric Stenosis, anatomy and assessment	<i>Abdomen and Superficial Structures</i> Ch. 21 pg 719-726		
	July 13, 15	LAB: TBD			
12	July 18 <i>Asynchronous</i>	1. Quiz 2 2. Intussusception, appendix review	<i>Abdomen and Superficial Structures</i> Ch. 9 pg 257, 260-263		
	July 20, 22	LAB: TIRADS Scoring Exercises Random patient scenarios (patient presentation, bloodwork values)			
13	July 25 <i>Asynchronous</i>	1. Pediatric hips anatomy and pathology 2. Imaging foreign bodies on Xray and US Assignment 2 Due	<i>Abdomen and Superficial Structures</i> Ch. 23 pg 729-737		
	July 27, 29	LAB: Review Session & Open scan practice			
14	Aug 1 <i>Asynchronous</i>	1. NO LECTURE due to holiday (BC DAY) 2. Image critique, writing superficial imaging reports			
	Aug 3, 5	LAB: Final Assessment: Thyroid (timed)		c-1, d	
15	TBD	Cumulative Final*			

**Do not book travel or flights until the final examination schedule has been published by the registrar.*

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 notice is required. Deadlines can 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
Assignments 1 & 2	5%
Quizzes	10%
Skills Assessments	15%
Midterm	20%
Final Skills Assessment	20%
Cumulative Final Exam	30%
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](http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf) policy for more information.
<http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf>

COURSE GUIDELINES & EXPECTATIONS

Refer to the [Diagnostic Medical Sonography \(SONO\) Program Handbook](#) for classroom and lab etiquette as well as professional behaviour expectations.

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

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

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.

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. To contact the Office of Student Support: 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.