

CLASS SYLLABUS



COURSE TITLE: MIDS 137 Pelvic Sonography Procedures
CLASS SECTION: BX01A-B
TERM: F2022
COURSE CREDITS: 3
DELIVERY METHOD(S): Blended

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

The COVID-19 pandemic has presented many challenges, and Camosun College is committed to helping you safely complete your education. Following guidelines from the Provincial Health Officer, WorkSafe BC, and the B.C. Government to ensure the health and wellbeing of students and employees, Camosun College is providing you with every possible protection to keep you safe. Our measures include COVID Training for students and employees, health checks, infection control protocols including sanitization of spaces, PPE and ensuring physical distancing. For details on these precautions please follow this link: <http://camosun.ca/covid19/faq/covid-faqs-students.html>. However, if you're at all uncomfortable being on campus, please share your concerns with your Instructor. If needed, alternatives will be discussed.

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: Jennifer Lawless
EMAIL: LawlessJ@camosun.ca
OFFICE:
HOURS:

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

PREREQUISITE(S): C+ in MIDS 121; C+ in MIDS 127
CO-REQUISITE(S): n/a
PRE/CO-REQUISITE(S): n/a

COURSE DELIVERY

ACTIVITY	HOURS / WEEK	# OF WEEKS	ACTIVITY HOURS
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 biologic/genetic gender on the approach to pelvic 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 male pelvic anatomy, including prostate gland, seminal vesicles, scrotum, and penis are identified and differentiated across age and habitus.
- c) explain how the normal and abnormal sonographic appearance of female pelvic anatomy, including the cervix, uterus, endometrium, fallopian tubes, ovaries, and vagina are identified and differentiated across age and habitus.
- d) define and apply the components of a diagnostic examination to pelvic sonography.
- e) successfully perform ultrasound examinations of required pelvic structures within the recommended Sonography Canada guidelines for scheduling and time allotments while scanning simulated patients or laboratory partners.

COURSE OBJECTIVES AND MAPPED PROFESSIONAL COMPETENCIES

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

Expanded Learning Outcome(s)

d-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 pelvic sonography.

Sonography Canada Competencies

Appendix A: Obstetrics and Gynecology

1	GYN, 1st, 2nd, 3rd	Adnexa
2	GYN,	Bowel
3	GYN, 1st, 2nd, 3rd	Cervix
4	GYN, 1st	Cul-de-sacs
5	GYN, 1st	Endometrium
6	GYN, 1st	Fallopian tubes
7	GYN,	Muscles & ligaments
8	GYN, 1st, 2nd, 3rd	Ovaries
9	GYN, 1st, 2nd, 3rd	Urinary bladder
10	GYN, 1st, 2nd, 3rd	Kidneys
11	GYN, 1st	Uterus
12	GYN, 1st	Vagina
13	GYN,	Vasculature of the female pelvis

Appendix B: Abdomen

- 29 Prostate
- 30 Seminal vesicles

Appendix C: Superficial Structures

- 4 Scrotum

REQUIRED MATERIALS & RECOMMENDED PREPARATION / INFORMATION

Required Texts

Stephenson. (2017). *Obstetrics & Gynecology* (4th ed.). Wolters Kluwer.

Hall-Terracciano, B., & Stephenson, S. R. (2018). *Workbook for diagnostic medical sonography: a guide to clinical practice, obstetrics and gynecology* (4th ed.). Wolters Kluwer.

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 Materials

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.

WEEK	DATE	ACTIVITY or TOPIC	READINGS	LEARNING OUTCOMES	SONOGRAPHY CANADA COMPETENCY
1	Sept 7 C/D Lecture	1. Module 1- Introduction to course, review course outline	(Obstetrics & Gynecology 4 th ed)	a, c	<i>Appendix A: 1, 2, 3, 4, 5, 6, 8, 11, 12</i>

WEEK	DATE	ACTIVITY or TOPIC	READINGS	LEARNING OUTCOMES	SONOGRAPHY CANADA COMPETENCY
	Sept 8 A/B Lecture Sept 9 A/B/C/D All Lecture	2. Module 1- Female Patient Preparation and Sonographic Technique & Transabdominal/Transperineal/Endovaginal Imaging 3. Module 2a- Embryonic Development and Normal Anatomy of Female Pelvis	Chapters 1, 2, 3, 5		
		LAB: No Labs Week 1			
2	Sept 13, 16	1. Module 2b- The Menstrual Cycle 2. Module 2b- Pelvic Muscles 3. Module 3a- Congenital Abnormalities and Benign Disease of the Uterus and Endometrium SONO SIM Assignment 1 & 4 Due	(Obstetrics & Gynecology 4 th ed) Chapters 4, 8, 9, 11	c	
	Sept 14, 15	LAB: Pelvic Image Optimization, Uterus & Ovaries		e	
3	Sept 20, 23	1. Module 3b- Benign and Malignant diseases of the Ovaries and Adnexa 2. Module 3c- Malignant disease of the Uterus and Cervix 3. Module 8- Reprocessing Transducers SONO SIM Assignment 2 Due	(Obstetrics & Gynecology 4 th ed) Chapters 10	a, c	
	Sept 21, 22	LAB: Identifying Pelvic Muscles Transabdominal and Simulated EV exercises on Simulators		c, e	<i>Appendix A: 7</i>
4	Sept 27, 30	1. QUIZ 2. National Day for Truth and Reconciliation, No Classes		c	
	Sept 28, 29	LAB: MOCK Assessment 1: Imaging the Uterus and Ovaries		d-1, e	<i>Appendix A: 1, 3, 4, 5</i>
5	Oct 4, 7	1. Module 4- Bladder Anatomy Review /kidney evaluation in GYN procedures 2. Module 7- Ethics for Pelvic Imaging/Chaperones/Transgender patient considerations SONO SIM Assignment 3 Due	(Abdomen and Superficial Structures 4 th ed) Review Chapters 10 & 11	c	<i>Appendix A: 9</i>
	Oct 5,6	LAB: Full Pelvic practice including kidney/bladder assessment		d-1, e	<i>Appendix A: 8</i>
6	Oct 11, 14	1. Thanksgiving, No Classes 2. Module 6- Infertility and Related Pathology and Fertility Evaluations 3. Module 6- Intrauterine Contraceptive Devices Workbook Activity 1 Due	(Obstetrics & Gynecology 4 th ed) Chapter 12	c	

WEEK	DATE	ACTIVITY or TOPIC	READINGS	LEARNING OUTCOMES	SONOGRAPHY CANADA COMPETENCY
	Oct 12, 13	LAB: Assessment 1: Full Female Pelvic Exam (Transabdominal) with Sag/Trv bladder		d-1, e	<i>Appendix A: 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13</i>
7	Oct 18, 21	1. Module 5a- The Prostate and Seminal Vesicles 2. FLEX CLASS SONO SIM Assignment 5 Due	(Abdomen and Superficial Structures 4 th ed) Chapter 12	b	<i>Appendix B: 29, 30</i>
	Oct 19, 20	LAB: Endovaginal Probe Reprocessing Procedure		b, e	<i>Appendix B: 28, 29, 30</i>
8	Oct 25, 28	1. Review Session 2. MIDTERM			
	Oct 26, 27	LAB: Assessment 2: Reprocessing Transducers			
9	Nov 1, 4	1. Module 5b- Normal Anatomy the Scrotum 2. Module 5- Pathology of the Scrotum SONO SIM Assignment 6 Due	(Abdomen and Superficial Structures 4 th ed) Chapter 17	b	<i>Appendix C: 4</i>
	Nov 2, 3	LAB: Scrotal Simulation 1		b, d-1, e	<i>Appendix C: 4</i>
10	Nov 8, 11	1. Module 5- Pathology of the Scrotum (cont'd) SONO SIM Assignment 7 Due 2. Remembrance Day, No Classes		c	
	Nov 9, 10	LAB: Scrotal Simulation 2		b, d-1, e	<i>Appendix C: 4</i>
11	Nov 15, 18	1. Module 2- Pelvic Vasculature + Doppler/PW 2. Module 5d- Penile Ultrasound (asynchronous) SONO SIM Assignment 8 Due	(Obstetrics & Gynecology 4 th ed) Chapter 6 D2L for Penile Content	c	<i>Appendix A: 5, 13</i>
	Nov 16, 17	LAB: : Assessment 3: Full Female Pelvic Exam (Endovaginal)		d-1, e	<i>Appendix A: 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13</i>
12	Nov 22, 26	1. Female Pelvic Case Studies 2. Male Pelvic/Scrotal Case Studies		b, c	
	Nov 23, 24	LAB: Assessment 4: Scrotal		b, d-1, e	<i>Appendix B: 28, 29, 30</i> <i>Appendix C: 4</i>
13	Nov 29, Dec 2	1. Dementia Simulation with CMLA 2. Emergent Pelvic Ultrasound SONO SIM Assignment 9 Due		b, c	
	Nov 30, Dec 1	LAB: Female Pelvis Practice		d-1, e	
14	Dec 6, 9	1. Review Session Female 2. Review Session Male Workbook Activity 2 Due			
	Dec 7, 8	LAB: FINAL Assessment: Female Pelvis (Transabdominal)		d-1, e	<i>Appendix A: 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13</i>

WEEK	DATE	ACTIVITY or TOPIC	READINGS	LEARNING OUTCOMES	SONOGRAPHY CANADA COMPETENCY
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
Skills Assessment 1	5%
Skills Assessment 2	5%
Skills Assessment 3	5%
Skills Assessment 4	5%
Workbook Activity 1 + 2	2%
SONO SIM Assignments	9%
Quiz	5%
Midterm	14%
Final Skills Assessment	25%
Final Exam	25%
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>

Students must pass all Critical Criteria in the Professional Performance section, and achieve at least 65% on the Interrogation and Image Quality section of each Skills Assessment.

Students must achieve a minimum of 65% for their final grade to pass the course and to use this course as a pre or co-requisite.

COURSE GUIDELINES & EXPECTATIONS

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

Quizzes, Midterms & Final Exams

With the exception of emergency circumstances, a student who does not notify the instructor ahead of time about absenteeism or does not have an acceptable reason for being absent the day of the midterm or final exam or a quiz will receive a grade of zero (0%).

Late assignments/submissions will not be graded and will receive a score of zero (0%) unless the student is able to demonstrate emergency. Students must contact the instructor prior to submission deadlines

The quiz, midterm and written final exam are administered online via D2L. For these tests, the content is cumulative from all lectures/labs/assigned readings up to that point in the course. Students who perform poorly on the quiz or midterm should seek help from the instructor as early as possible to work together to develop a plan for success.

Illness and Emergency Circumstances

It is acknowledged that short-term illness or personal priorities that are of critical importance, such as an appointment with a specialist, may occasionally conflict with a course assessment. In this case, as long as the student notifies the instructor before the anticipated absence, the student may be provided the opportunity to make up an assessment. Notifying the instructor by email is considered an acceptable means of communication.

This exception is not intended to be the norm. Students are expected to be present for all course assessments. The instructor will use discretion to determine if the reason for absenteeism is acceptable and/or whether or not absenteeism is problematic. Reasons that are unacceptable include, and are not limited to: birthday parties, family gatherings, employment commitments, etc. Students who miss significant time may be at risk of falling behind in the course. The instructor will use discretion to determine what course of action will be taken for students who miss multiple activities and/or assessments.

Exceptions due to emergency circumstances, such as health problems or unavoidable family crises, require the approval of the instructor. In the case of an emergency, the student may be required to provide verification of the emergency circumstance as early as possible. Personal commitments, such as holidays or scheduled flights, are not considered to be emergencies.

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

Support Service	Website
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.

COLLEGE-WIDE POLICIES, PROCEDURES, REQUIREMENTS, AND STANDARDS

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.