

CLASS SYLLABUS



COURSE TITLE:	MIDS 151 Intermediate Sonography Scanning Skills 1
CLASS SECTION:	X01A
TERM:	Fall 2021
COURSE CREDITS:	2
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](#).

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: 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

Students learn how complex workflows influence clinic operations while initiating appropriate ultrasound examinations under direct supervision. Students focus on enhancing their foundational workplace and scanning skills by demonstrating higher degrees of manual dexterity and increasing speed during various elements of routine scanning. Students use critical thinking and problem solving to identify the correct protocols, procedures, and operational parameters for a variety of outpatient studies.

PREREQUISITE(S): All of: C+ in AHLT 112; C+ in MIDS 121
 CO-REQUISITE(S): n/a
 PRE/CO-REQUISITE(S): All of: C+ in AHLT 104; C+ in AHLT 134; C+ in MIDS 137; C+ in MIDS 147

COURSE DELIVERY

ACTIVITY	HOURS / WEEK	# OF WEEKS	ACTIVITY HOURS
Lecture			
Seminar			
Lab / Collaborative Learning	4	14	56
Supervised Field Practice			
Workplace Integrated Learning			
Online			
TOTAL HOURS			56

COURSE LEARNING OUTCOMES

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

- a) demonstrate the ability to correctly initiate ultrasound examinations by selecting appropriate exam types, transducers, and worklist entries using outpatient clinic workflow and conditions.
- b) demonstrate the ability to use correct procedures for cleaning, re-processing, transporting, and storing transducers and equipment used during outpatient clinic workflow and conditions.
- c) demonstrate the ability to operate ultrasound equipment by using basic scanner controls and anatomic knowledge to select optimal acoustic windows and harmonics, ergonomically orient and manipulate transducers, and record pertinent data using outpatient clinic workflow and conditions.
- d) apply and convey basic knowledge of anatomy, scientific principles, patient considerations, communication skills, and professional behaviours of a student Diagnostic Medical Sonographer under the direct supervision under outpatient clinic conditions.
- e) perform required elements of various ultrasound examinations within the recommended Sonography Canada guidelines for scheduling and time allotments while under outpatient clinic conditions.

COURSE OBJECTIVES AND MAPPED PROFESSIONAL COMPETENCIES

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

Sonography Canada Competencies

- 5.4g Provide a technical impression to reporting physician.
- 6.1b Recognize hazardous conditions in the work area and respond.
- 6.1c Maintain awareness of fire and disaster plans.
- 6.1d Locate emergency equipment.

Appendix A:

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|---|--------------------|-----------------|
| 1 | GYN, 1st, 2nd, 3rd | Adnexa |
| 3 | GYN, 1st, 2nd, 3rd | Cervix |
| 4 | GYN, 1st | Cul-de-sacs |
| 5 | GYN, 1st | Endometrium |
| 6 | GYN, 1st | Fallopian tubes |
| 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
14	1st	Gestational sac
15	1st	Fetal pole
31	1st	Gross spinal development
38	1st, 2nd, 3rd	Nasal bones
40	1st	Nuchal translucency
45	1st, 2nd, 3rd	Fetal heart rate
62	1st, 2nd, 3rd	Stomach
63	1st, 2nd, 3rd	Umbilical cord
67	1st, 2nd, 3rd	Urinary bladder
71	1st	Gross limb development
81	1st, 2nd, 3rd	Placental location / development
92	1st	Yolk sac

Appendix B:

1	Abdominal aorta
4	Celiac trunk
6	Common iliac arteries
8	Inferior vena cava
9	Liver
10	Pancreas
11	Peritoneal, retroperitoneal cavities / spaces
12	Spleen
13	Splenic vein
14	Superior mesenteric artery
15	Gallbladder
16	Common hepatic duct
17	Common bile duct
19	Intrahepatic ducts
24	Kidneys
27	Ureters
28	Urinary bladder
29	Prostate
30	Seminal vesicles

Appendix C:

4	Scrotum
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REQUIRED MATERIALS & RECOMMENDED PREPARATION / INFORMATION

Required Documents

Student Clinical Pocket Book (Provided)

Student Clinical Portfolio (Provided)

Online Course Content

Desire-to-Learn (D2L) contains the remainder of the instructional materials for this course. Students are expected to familiarize themselves with the online learning environment and access these materials on an ongoing basis throughout the course.

External Resources

Additional materials include Health Authority/Departmental policies and procedures pertaining to each clinical placement site. The Camosun Clinical Liaison and or site workplace Clinical Preceptor may assign materials to read/orientation activities to complete in preparation for working in Medical Imaging that are only available to students placed at their location.

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.

Intermediate Scanning Skills Lab 1 commences on Sept 7, 2021 and finishes on Dec 22, 2021

Students are expected to be on site 4 hours per week. Weeks 1-14 are mandatory. Weeks 15 & 16 are encouraged to be attended upon the student's request to obtain more clinical experience. Weeks 15 & 16 may also become required if a plan for remediation is put in place and/or attendance/pocketbook/portfolio requirements have not been met by the end of week 14.

A base schedule with each student's specific shift rotation is posted to D2L and available in the Medical Imaging Department. Any changes to the schedule must be approved by the Clinical Site Preceptor and communicated to the Clinical Liaison.

Additional reading materials and assignment instructions are posted to the content on D2L. Students are expected to read through the materials posted to the course introduction/getting started module by the end of week 1 and refer back to this information as needed.

Students are expected to complete *all* Appendix B and C competencies and most Appendix A competencies—amount to be determined by the Clinical Liaison in conjunction with MIDS 137 and MIDS 147 Instructor. Competencies learned towards the end of MIDS 137 & 147 may be carried over to next semester and be completed in MIDS 181 at the discretion of your Clinical Liaison. Students who complete the expected number of unassisted competencies, as determined by the Clinical Liaison, will be eligible for full marks in this category. Students who are unable to achieve the required number of unassisted competencies need to have a plan for completion in place with the Clinical Liaison and may not be eligible for full marks. Students whom have demonstrated non-professional or unsafe behaviours may also have marks deducted from this category and may be removed from the clinical site until such time as safety to practice can be reassessed by the Clinical Liaison. Repeated professionalism or safety concerns may result in a student being assessed a zero (0) in the course.

Communications will be sent via the course News Feed on D2L. It is the student's responsibility to set up their notifications and/or check the course News Feed on a daily basis. Online discussion areas will be set up for questions and ongoing discussion topics.

Week	Date	Description	Learning Outcomes	Sonography Canada Competencies
1	Sept 7, 8	Orientation 1.1 Clinical Site Orientation Assignment 1.1 a –Locate Safety Equipment (fire extinguishers, exits, crash carts, Site Disaster Plan etc.)- Submit Evidence to D2L as part of Assignment	a, b, c, d	6.1c, 6.1d
2	Sept 14, 15	2.1 Submit Pocketbook Reflection to D2L 2.2 Submit Technologist Feedback to D2L		(See week 4)
3	Sept 21, 22	3.1 Obtain JOHS (Joint Occupational Health and Safety) Report for your site and do a mock safety analysis—submit to D2L		6.1b
4	Sept 28, 29	4.1 Submit Pocket Book Reflection to D2L 4.2 Submit Technologist Feedback to D2L		Appendix A: 1, 2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 14, 15, 31, 38, 40, 45, 62, 63, 67, 71, 81, 87, 92 Appendix B: 1, 4, 6, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 24, 27, 28, 29, 30 Appendix C: 4
5	Oct 5, 6	5.1 Submit Formative Evaluation (CL)		
6	Oct 12, 13	6.1 Submit Pocketbook Reflection to D2L 6.2 Submit Technologist Feedback to D2L		
7	Oct 19, 20			
8	Oct 26, 27	8.1 Submit Pocketbook Reflection to D2L 8.2 Submit Technologist Feedback to D2L		
9	Nov 2, 3	9.1 Show a case & technical impressions to the radiologist		
10	Nov 9, 10	10.1 Submit Pocketbook Reflection to D2L 10.2 Submit Technologist Feedback to D2L 10.3 Submit Formative Evaluation (CL)		
11	Nov 15, 16			
12	Nov 23, 24	12.1 Submit Pocketbook Reflection to D2L 12.2 Submit Technologist Feedback to D2L		
13	Nov 30, Dec 1	13.1 Submit Formative Evaluation (CL)		
14	Dec 7, 8	14.1 Submit Pocketbook Reflection to D2L 14.2 Submit Technologist Feedback to D2L 14.3 Image Review Due		
15	Dec 14, 15	Extra Clinical Exposure/Remediation Weeks Students are recommended to take advantage of these weeks even if all pocketbook requirements have been met.		
16	Dec 21, 22	Remediation <i>Required</i> If: I. More than 2 days absent from clinical accumulated II. At the end of week 14, the minimum pocketbook requirements have not been met (aim to complete in week 15). III. Not maintaining reasonable level of completion and/or progress		

		IV. Unmet or outstanding behavioural competencies requiring completion Receive Summative Evaluation from CL		
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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
Orientation Assignment	5%
Occupational Health and Safety Assignment	5%
Professionalism & Safety	6%
Pocketbook Reflections	7%
Technologist Feedback Forms + Week 15/16 as Required	7%
Image Review	20%
Unassisted Clinical Competency Completion	50%
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>

Note: Students must achieve a score of 65% or higher in the course to use MIDS 151 as a pre or co requisite for future courses.

COURSE GUIDELINES & EXPECTATIONS

Students are expected to be on site 4 hours per week. Weeks 1-14 are mandatory. Week 15 & 16 are encouraged to be attended upon the student's request to obtain more clinical experience. Week 15 & 16 may also become required if a plan for remediation is put in place and/or attendance/portfolio requirements have not been met by the end of week 14.

A base schedule with each student's specific shift rotation is posted to D2L and available in the Medical Imaging Department. Any changes to the schedule must be approved by the Clinical Site Preceptor and communicated to the Clinical Liaison.

Additional reading materials and assignment instructions are posted to the content on D2L. Students are expected to read through the materials posted to the course introduction/getting started module by the end of week 1 and refer back to this information as needed.

Communications will be sent via the course News Feed. It is the student's responsibility to set up their notifications and/or check the course News Feed on a daily basis. Online discussion areas will be set up for questions and ongoing discussion topics.

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.