

# COURSE SYLLABUS



COURSE TITLE:	MIDS 151 – Intermediate Sonography Scanning Skills 1
CLASS SECTION:	BX01-BX08
TERM:	F2023
COURSE CREDITS:	3
DELIVERY METHOD(S):	Blended

Camosun College campuses are located on the traditional territories of the Ləkʷəŋən and WSÁNEĆ 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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## INSTRUCTOR DETAILS

NAME:	Breanna Delgaty
EMAIL:	<a href="mailto:DelgatyB@camosun.ca">DelgatyB@camosun.ca</a>
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.*

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## 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):	All of: C+ in AHLT 104; C+ in AHLT 134; C+ in MIDS 137; C+ in MIDS 147
EQUIVALENCIES:	N/A

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## COURSE OBJECTIVES AND MAPPED PROFESSIONAL COMPETENCIES

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

- demonstrate the ability to correctly initiate ultrasound examinations by selecting appropriate exam types, transducers, and worklist entries using outpatient clinic workflow and conditions.
- demonstrate the ability to use correct procedures for cleaning, re-processing, transporting, and storing transducers and equipment used during outpatient clinic workflow and conditions.
- 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.

### **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:**

- 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

#### REQUIRED MATERIALS & RECOMMENDED PREPARATION / INFORMATION

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Required Documents

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

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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 September 5<sup>th</sup> 2023 and finishes December 22<sup>nd</sup> 2023

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.

Week	Date	Description	Learning Outcomes	Sonography Canada Competencies
1	Sept 5-8	Orientation: 1.1 Locate Safety Equipment (fire extinguishers, exits, crash carts, Site 1.1a Complete clinical site orientation assignment 1.2 Obtain JOHS (Joint Occupational Health and Safety) Report for your site and do a mock safety analysis		6.1b, 6.1c, 6.1d
2	Sept 12-15	2.1 Submit self reflection to D2L 2.2 <b>Orientation assignment / JOHS due date</b> (submit to D2L)	a, b, c, d	(See week 4)
3	Sept 19-22	3.1 Sept 18 <sup>th</sup> Functional Movement Screening in the Athletic Exercise Therapy Clinic (PISE): <b>groups X01-X04</b>		
4	Sept 26-29	4.1 Sept 25 <sup>th</sup> Functional Movement Screening in the Athletic Exercise Therapy Clinic (PISE): <b>groups X05-X08</b> 4.2 Submit self reflection to D2L 4.3 <b>Formative Evaluation</b> (preceptor)		
5	Oct 3-6	5.1 Submit Kinex reflection to D2L		
6	Oct 10-13	6.1 Submit Self reflection to D2L		
7	Oct 17-20			
8	Oct 24-27	8.1 Submit self reflection to D2L 8.2 <b>Formative Evaluation</b> (preceptor)		
9	Oct 13 - Nov 3	9.1 <b>Complete a technical impressions worksheet independently</b> (submit a copy to D2L <i>without patient information</i> )		
10	Nov 7-10	10.1 Submit self reflection to D2L		
11	Nov 14-17	11.1 <b>Case presentation</b>		
12	Nov 21-24	12.1 Submit self reflection to D2L 12.2 <b>Formative Evaluation</b>		
13	Nov 28-Dec 1			
14	Dec 5-8	14.1 Submit self reflection to D2L 14.2 <b>Image Review Due</b> 14.3 <b>Summative Evaluation</b>		
15	Dec 12-15	Extra Clinical Exposure/Remediation Weeks. Remediation may be <i>required</i> if:		
16	Dec 19-22	I. More than 2 days absent from clinical accumulated II. At the end of week 14, the minimum requirements have not been met (aim to complete in week 15). III. Not maintaining reasonable level of completion and/or progress		

5.4g  
Appendix A: 1, 2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 14, 15, 31, 38, 40, 45, 62, 63, 67,  
Appendix B: 1, 4, 6, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 24, 27, 28, 29, 30  
Appendix C: 4

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 can be reviewed on the [CAL exams page](https://camosun.ca/services/academic-supports/accessible-learning/academic-accommodations-exams). <https://camosun.ca/services/academic-supports/accessible-learning/academic-accommodations-exams>

## EVALUATION OF LEARNING

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DESCRIPTION	WEIGHTING
Assignments	15%
Self Reflection	15%
Participation	15%
Image Review	25%
Unassisted Clinical Competency Completion	30%
<b>TOTAL</b>	<b>100%</b>

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](https://camosun.ca/sites/default/files/2021-05/e-1.14.pdf) policy for more information.  
<https://camosun.ca/sites/default/files/2021-05/e-1.14.pdf>

## COURSE GUIDELINES & EXPECTATIONS

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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.

**All assignments are to be completed and submitted by the due date. Assignments that are not submitted by the due date will receive a grade of zero (0) and the assignment will not be marked.**

**Extensions to assignment due dates may be granted on a case-by-case basis for significant, or unforeseen circumstances. Extensions will only be considered if adequate notice is received prior to the due date.**

Students are expected to be on site 4 hours per week. Weeks 1-14 are mandatory.

Week 15 & 16 may 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 topic.

## SCHOOL OR DEPARTMENTAL INFORMATION

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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

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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 [camosun.ca/services](http://camosun.ca/services).

Support Service	Website
Academic Advising	<a href="http://camosun.ca/services/academic-supports/academic-advising">camosun.ca/services/academic-supports/academic-advising</a>

Support Service	Website
Accessible Learning	<a href="https://camosun.ca/services/academic-supports/accessible-learning">camosun.ca/services/academic-supports/accessible-learning</a>
Counselling	<a href="https://camosun.ca/services/health-and-wellness/counselling-centre">camosun.ca/services/health-and-wellness/counselling-centre</a>
Career Services	<a href="https://camosun.ca/services/co-operative-education-and-career-services">camosun.ca/services/co-operative-education-and-career-services</a>
Financial Aid and Awards	<a href="https://camosun.ca/registration-records/financial-aid-awards">camosun.ca/registration-records/financial-aid-awards</a>
Help Centres (Math/English/Science)	<a href="https://camosun.ca/services/academic-supports/help-centres">camosun.ca/services/academic-supports/help-centres</a>
Indigenous Student Support	<a href="https://camosun.ca/programs-courses/iecc/indigenous-student-services">camosun.ca/programs-courses/iecc/indigenous-student-services</a>
International Student Support	<a href="https://camosun.ca/international">camosun.ca/international</a>
Learning Skills	<a href="https://camosun.ca/services/academic-supports/help-centres/writing-centre-learning-skills">camosun.ca/services/academic-supports/help-centres/writing-centre-learning-skills</a>
Library	<a href="https://camosun.ca/services/library">camosun.ca/services/library</a>
Office of Student Support	<a href="https://camosun.ca/services/office-student-support">camosun.ca/services/office-student-support</a>
Ombudsperson	<a href="https://camosun.ca/services/ombudsperson">camosun.ca/services/ombudsperson</a>
Registration	<a href="https://camosun.ca/registration-records/registration">camosun.ca/registration-records/registration</a>
Technology Support	<a href="https://camosun.ca/services/its">camosun.ca/services/its</a>
Writing Centre	<a href="https://camosun.ca/services/academic-supports/help-centres/writing-centre-learning-skills">camosun.ca/services/academic-supports/help-centres/writing-centre-learning-skills</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

### Academic Integrity

Students are expected to comply with all College policy regarding academic integrity; which is about honest and ethical behaviour in your education journey. The following guide is designed to help you understand your responsibilities: <https://camosun.libguides.com/academicintegrity/welcome>  
Please visit <https://camosun.ca/sites/default/files/2021-05/e-1.13.pdf> for Camosun's Academic Integrity policy and details for addressing and resolving matters of academic misconduct.

### 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:

<https://camosun.ca/services/academic-supports/accessible-learning>

### Academic Progress

Please visit <https://camosun.ca/sites/default/files/2023-02/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 <https://camosun.ca/sites/default/files/2021-05/e-2.2.pdf> for further details about course withdrawals. For deadline for fees, course drop dates, and tuition refund, please visit <https://camosun.ca/registration-records/tuition-fees#deadlines>.

### Grading Policy

Please visit <https://camosun.ca/sites/default/files/2021-05/e-1.5.pdf> for further details about grading.

### Grade Review and Appeals

Please visit <https://camosun.ca/sites/default/files/2021-05/e-1.14.pdf> for policy relating to requests for review and appeal of grades.

### 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 <https://camosun.ca/sites/default/files/2021-07/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: <https://camosun.ca/sites/default/files/2021-05/e-2.9.pdf> and [camosun.ca/services/sexual-violence-support-and-education](https://camosun.ca/services/sexual-violence-support-and-education). 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 <https://camosun.ca/sites/default/files/2021-05/e-2.5.pdf> to understand the College's expectations of academic integrity and student behavioural conduct.

### Looking for other policies?

The full suite of College policies and directives can be found here: <https://camosun.ca/about/camosun-college-policies-and-directives>

**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.