

COURSE SYLLABUS



COURSE TITLE:	MIDS 281 – Advanced Sonography Scanning Skills
CLASS SECTION:	BX01A-D
TERM:	F2024
COURSE CREDITS:	3
DELIVERY METHOD(S):	Blended Learning

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](#).

INSTRUCTOR DETAILS

NAME:	Stephan Tuomi & Matthew Barbas
EMAIL:	TuomiS@camosun.ca 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

Students develop independent scanning proficiency, produce technically accurate documentation, and communicate impressions on increasingly complex case types, patient conditions, and scanning scenarios with minimal assistance while under direct supervision. Students focus on demonstrating workplace professionalism, critical thinking, and problem solving by efficiently completing a wide variety of examinations on live anatomy.

PREREQUISITE(S):	All of: C+ in MIDS 231
CO-REQUISITE(S):	All of: C+ in MIDS 267
EQUIVALENCIES:	Click or tap here to enter text.

COURSE OBJECTIVES AND MAPPED PROFESSIONAL COMPETENCIES

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

- perform routinely occurring skills and tasks as outlined in the national competencies for Diagnostic Medical Sonographers at entry-to-practice level of proficiency with minimal guidance.
- perform ultrasound examinations of the abdomen, the gravid and non-gravid pelvis, superficial structures, and lower extremity peripheral veins with entry-to-practice level of proficiency and minimal guidance.
- perform anatomical and functional assessments of the heart and associated vessels with entry-level proficiency and minimal guidance.

- d) provide comprehensive, accurate technical impressions and reports with summaries to referring physicians and/or radiologists of live studies approaching entry-to-practice level of proficiency with minimal assistance.
- e) use knowledge of anatomy, pathology, scientific principles, patient condition, communication skills, professional behaviours, and cultural humility to anticipate and respond appropriately to outpatient clinic conditions and workflows.
- f) practice within limits of personal knowledge and skills to successfully produce optimal quality comprehensive ultrasound studies within the recommended Sonography Canada guidelines for scheduling and time allotments with minimal guidance while under outpatient clinic conditions.

Sonography Canada Competencies for:

MIDS 281 Advanced Sonography Scanning Skills

- 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.

Sonography Canada Competencies for: MIDS 281 Advanced Sonography Scanning Skills 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 E (Cardiac Sonography):

- 1 PW of RVOT & CW of PV
- 2 PW & CW of TV
- 3 TDI of TV Lateral annulus
- 4 PW & CW of MV
- 5 TDI of MV Med & Lat annulus
- 6 PW of Pulmonary vein
- 7 PW of LVOT & CW of AV

- 8 PW Hepatic vein
- 9 CW Asc. AO
- 10 PW & CW Desc. AO General Sonography:
 - 1 Biceps Tendon
 - 2 Subscapularis Tendon
 - 3 Supraspinatus Tendon
 - 4 Infraspinatus Tendon
 - 5 Paracentesis
 - 6 Thoracentesis

- 7 Thyroid FNA
- 8 Liver OR Renal Core Bx

Previously Assessed Sonography Canada Competencies for Intermediate Scanning Skills 181, and 231 may be encountered in this course

REQUIRED MATERIALS & RECOMMENDED PREPARATION / INFORMATION

Required Documents

Student Clinical Pocket Book (Provided) Student 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.

WEEK or DATE RANGE	ACTIVITY or TOPIC	OTHER NOTES
Week 1 September 2	<ul style="list-style-type: none"> • Clinical Site Orientation (if applicable) • Locate Safety Equipment (fire extinguishers, exits, crash carts, Site Disaster Plan etc.) • Department Tour (if required) 	Sono Canada Competencies: 6.1c, 6.1d
Week 2 September 9	Submit Pocketbook Reflection to D2L	Sono Canada Competencies 6.1b 5.4g Appendix E: 1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 31
Week 3 September 16	Submit Pocketbook Reflection to D2L	
Week 4 September 23	Submit Pocketbook Reflection to D2L Submit Formative Evaluation (P)	
Week 5 September 30	Submit Pocketbook Reflection to D2L	
Week 6 October 7	Submit Pocketbook Reflection to D2L Submit Formative Evaluation (P)	
Week 7 October 14	Submit Pocketbook Reflection to D2L	

WEEK or DATE RANGE	ACTIVITY or TOPIC	OTHER NOTES
Week 8 October 21	Submit Pocketbook Reflection to D2L Submit Formative Evaluation (P)	Appendix F: 1, 2, 3, 4, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46
Week 9 October 28	Submit Pocketbook Reflection to D2L	
Week 10 November 4	Submit Pocketbook Reflection to D2L Submit Formative Evaluation (P)	
Week 11 November 11	Submit Pocketbook Reflection to D2L	
Week 12 November 18	Submit Pocketbook Reflection to D2L Submit Formative Evaluation (P)	
Week 13 November 25	Submit Pocketbook Reflection to D2L	
Week 14 December 2	Summative Evaluation Review (CL) Submit Pocketbook Reflection to D2L Image Review & Clinical Checklist Completion Due	
Week 15 & 16 December 9	Extra Clinical Remediation Weeks: Remediation Required if: I. More than 2 days absent from clinical accumulated. II. At the end of week 14, the requirements have not been met. III. Not maintaining reasonable level of completion / progress	

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](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

DESCRIPTION	WEIGHTING
Weekly Self-Reflections	10%
Image Reviews	20%
Unassisted Clinical Competency Completion	50%
Formative Evaluation (x5)	10%
Summative Evaluation	10%
	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](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

Additional reading materials and assignment instructions are posted to the content on D2L. Students are expected to read through the materials posted to D2L and refer to this information as needed.

The Clinical Liaison will determine the minimum and maximum number of unassisted competencies required to successfully complete this course. Students who complete the required number of unassisted competencies will be eligible for full marks in this category. Students who were unable to achieve the required number of unassisted competencies may be eligible for remediation/extra clinical hours. If a student was unable to obtain unassisted competencies due to lack of exposure in required exams (due to clinic bookings, no-shows, absences, etc.), the student may be eligible for remediation, and the amount will be decided by the Clinical Liaison. If a student is unable to obtain the required competencies with adequate exposure to the required exams, the student may require a learning plan and/or remediation, as decided by the Clinical Liaison. Failure to successfully complete the required number of clinical skills may result in the student receiving an incomplete grade affecting their ability to use this course as a pre or co-requisite. This may result in the student being unable to progress in the program.

Image Reviews: Students will be required to meet with their clinical liaison periodically throughout the term to randomly review images and discuss interesting cases. The clinical liaison will coordinate times for these reviews to take place. Students will be assessed on professionalism, receptiveness to constructive feedback and general participation in the image review process. Failure to actively participate in image reviews and/or demonstration of non-professional behaviours may result in students not achieving a full mark for this section. Repeated participation or professionalism concerns may result in a student being assessed a zero (0) in this 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 daily. Online discussion areas will be set up for questions and ongoing discussion topics.

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.

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>

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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 camosun.ca/services.

Support Service	Website
Academic Advising	camosun.ca/services/academic-supports/academic-advising
Accessible Learning	camosun.ca/services/academic-supports/accessible-learning
Counselling	camosun.ca/services/health-and-wellness/counselling-centre
Career Services	camosun.ca/services/co-operative-education-and-career-services
Financial Aid and Awards	camosun.ca/registration-records/financial-aid-awards

Support Service	Website
Help Centres (Math/English/Science)	camosun.ca/services/academic-supports/help-centres
Indigenous Student Support	camosun.ca/programs-courses/iecc/indigenous-student-services
International Student Support	camosun.ca/international
Learning Skills	camosun.ca/services/academic-supports/help-centres/writing-centre-learning-skills
Library	camosun.ca/services/library
Office of Student Support	camosun.ca/services/office-student-support
Ombudsperson	camosun.ca/services/ombudsperson
Registration	camosun.ca/registration-records/registration
Technology Support	camosun.ca/services/its
Writing Centre	camosun.ca/services/academic-supports/help-centres/writing-centre-learning-skills

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. 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 <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.