



# Course Syllabus

**Course title:** Core Sonography Competency

**Class section:** PRAC - 290 - DX01

**Term:** 2025W

**Course credits:** 6

**Total hours:** 288

**Delivery method:** Online

## Territorial Acknowledgement

Camosun College respectfully acknowledges that our campuses are situated on the territories of the Łək̓ʷəŋən (Songhees and Kosapsum) and W̱SÁNEĆ peoples. We honour their knowledge and welcome to all students who seek education here.

## Instructor Details

**Name:** Bridget Mavety

**Email:** MavetyB@camosun.ca

## Instructor Statement

*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.*

## Instructor Office Hours

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Office:	Hours:
Room # 317	Hours: By Appointment
Online	Available online on Mondays by appointment

## Course Description

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### Course Description:

During this clinical practicum in Sonography, students enhance their practice capabilities in hospital or community imaging environments under the supervision of qualified workplace professionals. Integrating knowledge from all previous theory courses, laboratory, simulation, and applied learning experiences, students learn to demonstrate national, entry-to-practice capabilities in CORE sonographic competencies in a variety of practice situations. Using feedback received from their designated workplace mentors and Camosun instructors, students examine and analyze their progress to improve future practice.

### Prerequisites:

All of:

- C+ in HLSC 264
- C+ in IST 120
- C+ in MIDS 267
- C+ in MIDS 281
- C+ in MIDS 287
- C+ in MIDS 297

### Pre or Co-requisites:

All of:

- COM in AHLT 288

And one of:

- COM in PRAC 295

- COM in PRAC 296
- COM in PRAC 299

## Course Learning Outcomes / Objectives

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Upon successful completion of this course, the learner will be able to

1. Demonstrate professionalism in a variety of settings by adhering to sonography best practices, workplace protocols and procedures, and all school policies and guidelines
2. Apply knowledge of CORE sonography competencies, procedures, human anatomy and physiology, pathology, professionalism, communication, and scientific principles to obtain optimal quality diagnostic images and generate accurate technical impressions
3. Use best practices for managing patient and client interactions in a competent, safe, and responsible manner, with cultural humility while observing legal and ethical workplace standards
4. Communicate effectively with patients and clients, other members of the public, and all members of the health care team while acting within the scope of a Diagnostic Medical Sonographer
5. Recognize appropriate learning opportunities within the clinical practice setting to expand on and maintain clinical competence through reflective practice
6. Consolidate sufficient knowledge of competency requirements and examination blueprints to identify and self-assess readiness to successfully complete CORE national certification examinations

## Course Competencies

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### Core Sonography Canada Competencies Encountered

- 1.1a Identify self to patient.
- 1.1b Adapt communication in response to patient and situation.
- 1.1d Communicate with patient throughout examination, in manner appropriate to patient's ability to understand.
- 1.1e Explain examination procedure to patient.
- 1.1f Question patient to obtain relevant information regarding history and condition.
- 1.1g Communicate departmental reporting procedures to patient.

- 1.1h Respond to patient questions or concerns.
- 1.1i Communicate with patient's relatives and / or support persons.
- 1.1j Communicate with other health care professionals.
- 1.1k Use medical terminology and standard abbreviations in oral communication.
- 1.2a Verify written, authorized directions for examination.
- 1.2b Record accurate and relevant medical history.
- 1.2c Record examination procedures and results.
- 1.2d Ensure that documentation is timely, accurate, concise and complete.
- 1.2e Write medical terminology and standard abbreviations.
- 1.3a Use appropriate body language.
- 1.3b Respond appropriately to non-verbal behaviours.
- 2.1c Adhere to institutional policies and procedures.
- 2.1e Maintain patient privacy and confidentiality.
- 2.1f Ensure informed patient consent.
- 2.2a Verify patient's identification.
- 2.2b Verify requested procedure correlates with patient's clinical history and presentation, and address concerns as appropriate.
- 2.2c Evaluate patient preparation for requested examination.
- 2.2d Practice within limits of personal knowledge, skill and judgement.
- 2.2e Ask for guidance where appropriate.
- 2.2f Evaluate for contraindications to procedure and address as appropriate.
- 2.2g Identify and respond to exceptions from established protocols and procedures.
- 2.2h Identify and respond to urgent sonographic findings.
- 2.2i Accept responsibility for decisions and actions.
- 2.3a Maintain professional appearance and manner.

- 2.3b Provide care for patient in a manner that is respectful of individual diversity.
- 2.3e Share knowledge with patients, colleagues, students and other members of health care team.
- 2.3f Provide and receive feedback in a professional manner.
- 2.3g Manage time and workload efficiently.
- 2.3h Demonstrate reliability.
- 2.3i Demonstrate adaptability.
- 2.3j Participate in patient education.
- 2.4a Critically appraise performance and set goals for self-improvement.
- 2.4b Review professional literature and assess relevance to practice.
- 2.4c Demonstrate awareness of need for continuing professional development.
- 3.1b Assess patient's ability to tolerate examination.
- 3.1d Employ universal precautions for infection control.
- 3.1e Assess and monitor patient's physical and mental status prior to and during examination and respond.
- 3.1f Create an environment that protects patient dignity.
- 3.1g Determine need for additional personnel to assist in examination.
- 3.1h Perform examination in a timely manner.
- 4.1a Select optimum system and transducer for examination considering patient's age and size, structures being examined and specific indications for examination.
- 4.1b Determine and select correct pre-set values.
- 4.1c Input patient data.
- 4.2a Orient and manipulate transducer.
- 4.2c Monitor output display indices and adjust power output in accordance with "as low as reasonably achievable" (ALARA) principle.
- 4.2d Adjust instrument controls to optimize image.
- 4.2e Identify artifacts.

- 4.2f Record patient position and plane of section on images, as required.
- 4.2g Use software calculation packages.
- 5.1a Interpret history, signs & symptoms and other relevant information.
- 5.1b Assess medical history and health status.
- 5.1c Modify scope of examination based on clinical history.
- 5.1d Formulate sonographic scanning strategies.
- 5.1e Integrate knowledge of anatomy and disease processes.
- 5.3a Select optimal acoustic window.
- 5.3b Optimize patient position.
- 5.3c Employ breathing techniques.
- 5.3d Interrogate anatomy in required planes of section.
- 5.3e Evaluate images for orientation, identification, and labeling.
- 5.3f Evaluate images for quality.
- 5.3g Recognize sonographic appearance of normal structures.
- 5.3h Recognize artifacts and normal variants.
- 5.3i Differentiate artifact and normal variants from anatomic and pathologic findings.
- 5.3j Recognize and investigate abnormal findings.
- 5.3k Modify examination based on sonographic evidence, clinical information, resource implications and other contextual factors.
- 5.3l Ensure all applicable components of examination are complete
- 5.3m Recognize equipment limitations.
- 5.3n Recognize technical limitations.
- 5.4a Produce diagnostic data documenting sonographic findings.
- 5.4b Formulate impression based on findings.
- 5.4d Use spatial reasoning to interpret images.

5.4e Identify and prioritize differential findings.

5.4f Document limitations to exam quality and completeness.

5.4g Provide a technical impression to reporting physician.

6.1a Maintain clean and orderly work area.

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.

6.2a Employ proper body mechanics when transferring, positioning or transporting patient.

6.2b Practice ergonomic techniques.

6.2c Engage in practices to promote own physical and environmental safety.

## Course Materials - Required

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Access to Camosun's D2L page for 2025W PRAC 290.

## Course Schedule, Topics, and Associated Preparation / Activity

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

Week	Lesson	Learning Outcomes	Sonography Canada Competencies
1-4	<ul style="list-style-type: none"><li>Practice maintaining professionalism while providing patient care and communicating effectively</li><li><b>Assignment #1 due Sunday February 2nd at midnight</b></li></ul>	1-6	See competencies above
5-14	<ul style="list-style-type: none"><li>Recognize and reflect upon learning opportunities in the clinical setting</li></ul>		

	<ul style="list-style-type: none"> <li>• <b>Assignment #2 due Sunday April 13th at midnight (must be completed in week 14)</b></li> <li>• Prepare to write the Knowledge Assessment tests</li> <li>• <b>Required Knowledge Assessments must be completed by Sunday April 13th at midnight</b></li> </ul>		
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## Evaluation of Learning: Weighted

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DESCRIPTION	WEIGHTING
Assignment #1	COM
Assignment #2	COM
Specialty Knowledge Assessment	COM
<b>TOTAL:</b>	<b>COM</b>

**NOTE: Students must achieve at least a ("C+") or COM in all program courses.**

### Camosun's Grading Systems

<https://camosun.ca/registration-records/student-records/camosun-grading-systems>

### Grade Reviews and Appeals

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 policy** for more information.

<http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf>

**The Centre for Accessible Learning (CAL) is part of Camosun's Student Affairs unit.** CAL coordinates academic accommodations and provides related programs and services to students with documented disabilities.

Students who require academic accommodations are expected to request and arrange accommodations through CAL in a timely fashion. While we understand that not all accommodation needs are known to students at the beginning of a course, accommodations cannot be provided unless the proper process is followed through CAL and an accommodation letter has been released to the instructor. Students are responsible for providing CAL with the proper documentation prior to the beginning of a course.

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>

**Please consult the CAL webpage for more information:**

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

## Evaluation of Learning: Competency

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<b>COM</b>	<b>COMPLETE:</b> The student has met the goals, criteria, or competencies established for this course, practicum, or field placement.
<b>NC</b>	<b>NOT COMPLETE:</b> The student has not met the goals, criteria, or competencies established for this course, practicum, or field placement
<b>DST</b>	The student has met and exceeded, above and beyond expectation, the goals, criteria, or competencies established for this course, practicum or field placement.

**NOTE: The Minimum passing grade for this course is "COM".**

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## Artificial Intelligence: A Guide for Students

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**Generative Artificial Intelligence (GenAI)** is an evolving technology that brings potential benefits but also substantial risks. While GenAI tools have the ability to transform how we work and learn, it is essential for the college community to adapt to these changes in a thoughtful and secure way.

**When using GenAI tools, students should ensure proper citation and attribution guidelines are followed.** This includes acknowledging AI assistance in reports, presentations, or any external communications. Clear citation helps build trust, ensures ethical use, and reduces the risk of misinformation or copyright issues.

**For citation support visit the college's citation style guide.**

<https://camosun.libguides.com/cite>

### Artificial Intelligence: A Guide for Students

Visit the following website to learn about AI use in academic settings.

<https://camosun.libguides.com/artificialintelligence/home>

## Course Guidelines & Expectations

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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

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**Students are required to read and are accountable for the College policies (outlined below) and practicum guidelines as described in the School of Health and Human Services (HHS) and program handbooks.**

[SONO Program Handbook](#)

#### **Clinical and Practice Placements in HHS**

<https://camosun.ca/programs-courses/school-health-and-human-services/hhs-programs/practicums>

#### **School of Health and Human Services (HHS)**

<https://camosun.ca/programs-courses/school-health-and-human-services/information-health-and-human-services-students-1#top>

## **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.

## **College Policies**

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### **Academic Integrity**

Students are expected to follow the college's [Academic Integrity policy](#), and be honest and ethical in all aspects of their studies. To help you understand these responsibilities review the online [Academic Integrity guide](#).

The college's [Academic Integrity policy and supporting documents](#) detail the process for addressing and resolving matters of academic misconduct.

### **Academic Accommodations for Students with Disabilities**

If you have a documented disability and need accommodations contact the Centre for Accessible Learning (CAL). CAL will arrange the appropriate academic accommodations so you can participate in all academic activities. Visit the [CAL website](#) for more information

### **Academic Progress**

The [Academic Progress policy](#) details how the college monitors students' academic progress and what steps are taken if a student is at risk of not meeting the college's academic progress

standards.

### **Acceptable Technology Use**

The [Acceptable Technology Use](#) policy outlines how students are expected to use college technology resources, this includes using your own devices on the college's network. The use of the college resources in a way that violates a person's right to study in an environment free of discrimination, harassment or sexual violation is prohibited.

### **Course Withdrawals Policy**

For details about course withdrawal see the [Course Withdrawals policy](#). Be aware of the [deadlines for fees, course drop dates, and tuition refunds](#).

### **Grading Policy**

To learn more about grading see the [Grading Policy](#).

### **Grade Review and Appeals**

The process to request a review of grades is outlined in the [Grade Review and Appeals policy](#).

### **Medical / Compassionate Withdrawals**

If you have experienced a serious health or personal issue, you may be eligible for a [medical/compassionate withdrawal](#). The [Medical / Compassionate Withdrawal Request form](#) outlines what is required.

### **Sexual Violence**

If you have experienced sexual violence on or off campus, you can get support from the Office of Student Support. The Office of Student Support is a safe and private place to talk about what supports are available and your options for next steps. Visit the [sexual violence support and education site](#) to learn more or email [oss@camosun.ca](mailto:oss@camosun.ca) or phone: 250-370-3046 or 250-370-3841.

### **Student Misconduct (Non-Academic)**

Camosun expects students to conduct themselves in a manner that contributes to a positive, supportive, and safe learning environment. Review the [Student Misconduct Policy](#) to understand the college's expectations of conduct.

Looking for other policies? See [Camosun College Policies and Directives](#)

## Services and Supports

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Services are free and available to all students.

<b>Academic Supports</b> <a href="#">Centre for Accessible Learning</a> <a href="#">English, Math and Science Help Centres</a> <a href="#">Library</a> <a href="#">Writing Centre &amp; Learning Skills</a>	<b>Enrollment Supports</b> <a href="#">Academic Advising</a> <a href="#">Financial Aid and Awards</a> <a href="#">Registration</a> <a href="#">Tuition and Fees</a>
<b>Health and Wellness</b> <a href="#">Counseling</a> <a href="#">Fitness and Recreation</a> <a href="#">Office of Student Support</a>	<b>Applied learning</b> <a href="#">Co-operative Education and Career Services</a> <a href="#">Makerspace</a>

The [Centre for Indigenous Education Centre and Community Connections](#) provides cultural and academic supports for Indigenous students.

[Camosun International](#) provides supports to international students.

[The Ombudsperson](#) provides an impartial, independent service to ensure students are treated fairly. The service is a safe place for students to voice and clarify concerns and complaints.

If you have a mental health concern, contact Counselling. Counselling sessions are available at both campuses during business hours. If you need urgent support after-hours, contact the Vancouver Island Crisis Line at 1-888-494-3888 or call 911.

## Changes to this Syllabus

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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 the course content or schedule. When changes are necessary the instructor will give clear and timely notice.