



Course Syllabus

Course title: GEN & OB Sonography Competency

Class section: PRAC - 295 - DX01

Term: 2025W

Course credits: 6

Total hours: 272

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

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

Course Description

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 General and Obstetrical scanning 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. Students complete the Canadian Clinical Skill Assessment (CCSA) in General and Obstetrical Sonography.

Pre or Co-requisites:

All of:

- COM in PRAC 290

Or one of:

- Current certification in Diagnostic Medical Sonography
- Diploma in Diagnostic Medical Sonography

Course Learning Outcomes / Objectives

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 General and Obstetrical sonography competencies, procedures, human anatomy and physiology, pathology, professionalism, communication, and scientific principles to

obtain optimal quality diagnostic images and generate accurate technical impressions in General and Obstetrical Sonography

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 role and 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 the General and Obstetrical national certification examinations offered by Sonography Canada
7. Demonstrate entry-to-practice capabilities required by Sonography Canada by successfully completing the Canadian Clinical Skills Assessment (CCSA) for General and Obstetrical Sonographers

Course Competencies

Sonography Canada Competencies Encountered:

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 A:

16 2nd, 3rd Abdominal circumference
17 2nd, 3rd Biparietal diameter
18 2nd, 3rd Femur length
19 2nd, 3rd Head circumference
20 2nd, 3rd Anterior horn lateral ventricles
21 2nd, 3rd Atria of lateral ventricles
22 2nd, 3rd Cavum septi pellucidi
23 2nd, 3rd Cerebellum

25 2nd, 3rd Choroid plexus

26 2nd, 3rd Cisterna magna

27 2nd, 3rd Falx cerebri

28 2nd, 3rd Skull

29 2nd, 3rd Thalamus

30 2nd, 3rd Third ventricle

32 2nd, 3rd Cervical spine

33 2nd, 3rd Lumbo-sacral spine

34 2nd, 3rd Thoracic spine

35 2nd, 3rd Facial profile

37 2nd, 3rd Mouth / lips

38 1st, 2nd, 3rd Nasal bones

39 2nd, 3rd Orbits

41 2nd, 3rd Nuchal fold

42 2nd, 3rd Diaphragm

43 2nd, 3rd Lungs

44 2nd, 3rd Thoracic shape

45 1st, 2nd, 3rd Fetal heart rate

46 2nd, 3rd Situs

47 2nd, 3rd Size

48 2nd, 3rd Axis

49 2nd, 3rd 4 Chamber fetal heart

50 2nd, 3rd Aortic arch

52 2nd, 3rd Outflow tracts

53 2nd, 3rd Three vessel view

54 2nd, 3rd Adrenals

55 2nd, 3rd Aorta

56 2nd, 3rd Bowel

57 2nd, 3rd Gallbladder

58 2nd, 3rd Kidneys

59 2nd, 3rd Liver

60 2nd, 3rd Renal pelvis

61 2nd, 3rd Spleen

62 1st, 2nd, 3rd Stomach

63 1st, 2nd, 3rd Umbilical cord

64 2nd, 3rd Fetal insertion

65 2nd, 3rd Placental insertion

66 2nd, 3rd Vessels

67 1st, 2nd, 3rd Urinary bladder

68 2nd, 3rd Genitalia

69 2nd, 3rd Contour

70 2nd, 3rd Thickness

72 2nd, 3rd Feet

73 2nd, 3rd Femora

74 2nd, 3rd Fibula

75 2nd, 3rd Hands

76 2nd, 3rd Humeri

77 2nd, 3rd Radius

78 2nd, 3rd Ribs

79 2nd, 3rd Tibia

80 2nd, 3rd Ulna

81 1st, 2nd, 3rd Placental location / development

82 2nd, 3rd Grading

83 2nd, 3rd Relation to internal os

84 2nd, 3rd Thickness

85 2nd, 3rd Amniotic Fluid -Single Pocket Evaluation

86 2nd, 3rd Amniotic fluid index

87 1st, 2nd, 3rd Chorionicity

88 2nd, 3rd Cervical length

89 2nd, 3rd Fetal lie

90 2nd, 3rd Fetal presentation

91 1st, 2nd, 3rd Number of Fetuses

93 3rd Cord Doppler

94 3rd Amniotic fluid

95 3rd Breathing

96 3rd Fetal movement

Appendix B:

1 Abdominal aorta

2 Abdominal Wall

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

31 Hepatic veins

32 Hepatic artery

33 Portal veins

Appendix C:

4 Scrotum

5 Lymph nodes

6 Popliteal fossa

10 Thyroid

Appendix D:

14 Iliac veins

15 Common femoral vein

16 Femoral vein

17 Popliteal vein

18 Sapheno-Femoral Junction

19 Sapheno-Popliteal Junction

Course Materials - Required

Access to Camosun's D2L page for 2025W PRAC 295.

Course Schedule, Topics, and Associated Preparation / Activity

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

Week	Date	Lesson	Learning Outcomes	Sonography Canada Competencies
1	January 6-12	Orientation 1.1 Clinical Site Orientation Assignment Locate Safety Equipment (fire extinguishers, exits, crash carts, Site Disaster Plan etc.) 1.2 Complete Student Acknowledgement Form on CompTracker on Monday January 6th		1. b, 6.1c, 6.1d
2	January 13-19	2.1 Complete Self-Reflection in CompTracker 2.2 Complete Formative Evaluation in CompTracker		5.4g Appendix A: 16, 17, 18, 19, 20,
3	January 20-26	3.1 Complete Clinical Competency Goals Assignment		
4	January 27 - February 2	4.1 Complete Self-Reflection in CompTracker		21, 22, 23, 25, 26,

		4.2 Complete Formative Evaluation in CompTracker	1-7	27, 28, 29, 30, 32,
		4.3 Clinical Liaison Visit		33, 34, 35, 37, 38,
		4.4 Sign Clinical Liaison Meeting Summary in CompTracker		39, 41, 42, 43, 44,
5	February 3-9	5.1 Clinical Competencies		45, 46, 47, 48, 49,
6	February 10-16	6.1 Complete Self-Reflection in CompTracker		50, 52, 53, 54, 55,
		6.2 Complete Formative Evaluation in CompTracker		56, 57, 58, 59, 60,
		6.3 Clinical Competencies		61, 62, 63, 64, 65,
7	February 17-23	7.1 CCSA Competencies		66, 67, 68, 69, 70,
8	February 24 - March 2	8.1 Complete Self-Reflection in CompTracker		72, 73, 74, 75, 76,
		8.2 Complete Formative Evaluation in CompTracker		77, 78, 79, 80, 81,
		8.3 Clinical Competencies		82, 83, 84, 85, 86,
		8.4 Clinical Liaison Visit		87, 88, 89, 90, 91,
		8.5 Sign Clinical Liaison Meeting Summary in CompTracker		93, 94, 95, 96, 97
9	March 3-9	9.1 CCSA Competencies		
10	March 10-16	10.1 Complete Self-Reflection in CompTracker		
		10.2 Complete Formative Evaluation in CompTracker		
		10.3 Clinical Competencies		
11	March 17-23	11.1 CCSA Competencies		
12	March 24-30	12.1 Complete Self-Reflection in CompTracker		
		12.2 Complete Formative Evaluation in CompTracker		
		12.3 Clinical Competencies		

		12.4 Clinical Liaison Visit		
		12.5 Sign Clinical Liaison Meeting Summary in CompTracker		
13	March 31 - April 6	13.1 CCSA Competencies		
14	April 7-13	14.1 Complete Self-Reflection in CompTracker 14.2 Complete Formative Evaluation in CompTracker 14.3 Clinical Competencies		
15	April 14-20	15.1 Complete Summative Evaluation in CompTracker 15.2 Clinical Competencies 15.3 Finalize Clinical Competencies 15.4 Return Island Health Proxy Card		
16	April 21-27	Extra Clinical Exposure/Remediation Weeks: Remediation Required If: 1. More than 4 days absent from clinical accumulated 2. At the end of week 15, the minimum requirements have not been met and/or clinical competencies (CCSA + carotid) have not been completed 3. Not maintaining reasonable level of completion and/or progress		

Evaluation of Learning: Weighted

DESCRIPTION	WEIGHTING
Orientation Assignment(s)	COM
Clinical Competency Goals Assignment	COM
Self-Reflections	COM
TOTAL:	COM

DESCRIPTION	WEIGHTING
Formative & Summative Assessment Forms	COM
Clinical Liaison Meeting Summary Forms	COM
Carotid Competency	COM
CCSA Competency Completion	COM
TOTAL:	COM

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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COM	COMPLETE: The student has met the goals, criteria, or competencies established for this course, practicum, or field placement.
NC	NOT COMPLETE: The student has not met 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

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

Students are expected to be on site 30 hours per week (7.5 hrs/day x 4 days). Day 5 is considered an academic day and students are encouraged to use this day to complete learning activities encountered in PRAC 295, 290 and AHLT 288.

Weeks 1-15 are mandatory.

A base schedule with each student's specific shift rotation will be provided to the student via the site preceptor and/or supervisor.

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 the Canadian Clinical Skills Assessments (CCSA) for the General Sonography Competency. In addition to the required CCSA's, students are also required to complete a carotid competency, which mirrors the CCSA format. Students who are unable to achieve the required number of clinical competencies need to have a plan for completion in place with the Clinical Liaison. They may not be eligible for a COM mark and will be unable to write the Sonography Canada certification exam until such time as all required CCSA competencies are complete.

Students whom have demonstrated non-professional or unsafe behaviours 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 and/or by email. It is the student's responsibility to set up their notifications and check the course News Feed and/or their email on a daily basis.

Selecting Cases for CCSA's

<p>12 cases:</p> <ul style="list-style-type: none"> • Abdomen: 2 Abnormal Cases (1 technically difficult) Thyroid: 1 Abnormal • Scrotum: 1 Normal or Abnormal • Gynecology: 2 abnormal pelvis (must include EV and TA scanning on both patients) • 1st Trimester: 1 1st Trimester Case • 2nd & 3rd Trimester: 2 detailed 2nd Trimester cases (normal or abnormal) • 3rd Trimester: 1 case (normal or abnormal) • Lower Extremity Venous: 2 cases that are either technically difficult or abnormal <p>NOTE: For all case types, an abnormal case can be used in place of a required normal case.</p> <p>The following chart provides a list of common findings that will be not considered abnormal.</p>	
Exam Type	Common Findings Not Considered as Abnormal
Abdomen	<ul style="list-style-type: none"> • Extra Renal Pelvis • Coulmn of Bertin • Fetal Lobulations • Accessory Spleen • Accessory hepatic artery • Riedel's lobe • GB junctional fold • Phyrgian cap
Lower Extremity Venous	<ul style="list-style-type: none"> • Normal variants (giacomini vein, duplications)
Gynecology	<ul style="list-style-type: none"> • Ovarian follicles

- | | |
|--|---|
| | <ul style="list-style-type: none"> • Nabothian cysts • Physiological amount of free fluid • Retroverted/retroflexed uterus |
|--|---|

Additional Information

***Do not book travel or flights until the final examination schedule has been published by the registrar.**

School or Departmental Information

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

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

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 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

Services are free and available to all students.

Academic Supports	Enrollment Supports
Centre for Accessible Learning	Academic Advising
English, Math and Science Help Centres	Financial Aid and Awards
Library	Registration
Writing Centre & Learning Skills	Tuition and Fees
Health and Wellness	Applied learning
Counseling	Co-operative Education and Career Services
Fitness and Recreation	Makerspace
Office of Student Support	

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

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.