

CLASS SYLLABUS



COURSE TITLE: PRAC 295: GEN & OB Sonography Competency
CLASS SECTION: DX01
TERM: W2023
COURSE CREDITS: 3
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](#).

<https://camosun.ca/about/covid-19-updates>

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: Bridget Mavity
EMAIL: MavityB@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

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.

PREREQUISITE(S): n/a
CO-REQUISITE(S): n/a
PRE/CO-REQUISITE(S): COM in PRAC 290 or one of: Current certification in Diagnostic Medical Sonography or Diploma in Diagnostic Medical Sonography

COURSE DELIVERY

ACTIVITY	HOURS / WEEK	# OF WEEKS	ACTIVITY HOURS
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Lecture			
Seminar			
Lab / Collaborative Learning			
Supervised Field Practice	15	16	240
Workplace Integrated Learning			
Online	2	16	32
	TOTAL HOURS		272

COURSE LEARNING OUTCOMES

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

- a) demonstrate professionalism in a variety of settings by adhering to sonography best practices, workplace protocols and procedures, and all school policies and guidelines.
- b) 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.
- c) 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.
- d) 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.
- e) recognize appropriate learning opportunities within the clinical practice setting to expand on and maintain clinical competence through reflective practice.

COURSE OBJECTIVES AND MAPPED PROFESSIONAL COMPETENCIES

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

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, 3 rd	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

REQUIRED MATERIALS & RECOMMENDED PREPARATION / INFORMATION

Required Documents

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.

PRAC 295 Commences on Monday January 9th, 2023 and finishes on Friday April 28th, 2023

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 this and their Capstone course.

Weeks 1-15 are mandatory.

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 the Canadian Clinical Skills Assessments (CCSA) for the General Sonography Competency. 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 and will be unable to sit the Sonography Canada certification exams until such time as all required CCSA competencies are complete. 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	January 9-15	Orientation 1.1 Clinical Site Orientation Assignment 1.1 a) Locate Safety Equipment (fire extinguishers, exits, crash carts, Site Disaster Plan etc.) 1.2 Complete Student Acknowledgement Form on Monday January 9th and submit to D2L	a, b, c, d, e	6.1b, 6.1c, 6.1d
2	January 16-22	2.1 Submit Portfolio Reflection to D2L 2.2 Submit Technologist Feedback to D2L		5.4g
3	January 23-29	3.1 Complete CCSA Goals Assignment CCSA Competencies		<i>Appendix A:</i> 16, 17, 18, 19, 20, 21, 22, 23, 25, 26, 27, 28, 29, 30, 32, 33, 34, 35, 37, 38, 39, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 93, 94, 95, 96, 97
4	January 30-February 5	4.1 Submit Portfolio Reflection to D2L 4.2 Submit Technologist Feedback to D2L 4.3 Clinical Liaison Visit		
5	February 6-12	5.1 Submit Formative Evaluation to D2L CCSA Competencies		
6	February 13-19	6.1 Submit Portfolio Reflection to D2L 6.2 Submit Technologist Feedback to D2L		
7	February 20-26	CCSA Competencies		
8	February 27-March 5	8.1 Submit Portfolio Reflection to D2L 8.2 Submit Technologist Feedback to D2L 8.3 Clinical Liaison Visit		
9	March 6-12	9.1 Submit Formative Evaluation to D2L		

		CCSA Competencies		<i>Appendix B: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33</i> <i>Appendix C: 4, 5, 6, 8, 10</i> <i>Appendix D: 14, 15, 16, 17, 18, 19</i>
10	March 13-19	10.1 Submit Portfolio Reflection to D2L 10.2 Submit Technologist Feedback to D2L		
11	March 20-26	CCSA Competencies		
12	March 27- April 2	12.1 Submit Portfolio Reflection to D2L 12.2 Submit Technologist Feedback to D2L 12.3 Clinical Liaison Visit		
13	April 3-April 9	13.1 Submit Formative Evaluation to D2L CCSA Competencies		
14	April 10-16	14.1 Submit Portfolio Reflection to D2L 14.2 Submit Technologist Feedback to D2L		
15	April 17-23	15.1 Submit Summative Evaluation to D2L Finalize CCSA Competencies Hand in Portfolio, VIHA ID Badge, Proxy Card		
16	April 24-30	Extra Clinical Exposure/Remediation Weeks: Remediation <i>Required</i> If: <ol style="list-style-type: none"> I. More than 2 days absent from clinical accumulated II. At the end of week 15, the minimum Portfolio requirements have not been met and/or CCSA's have not been completed III. Not maintaining reasonable level of completion and/or progress 		

Selecting Cases for CCSA Assessment

Required Case Types	
General	12 cases: 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 1 st Trimester Case 2nd & 3rd Trimester: 2 detailed 2 nd Trimester cases (normal or abnormal) 3rd Trimester: 1 case (normal or abnormal) Lower Extremity Venous: 2 cases that are either technically difficult or abnormal

NOTE: For all case types, an abnormal case can be used in place of a required normal case.

The following chart provides a list of common findings that will be not considered abnormal.

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 • Phrygian cap
Lower Extremity Venous	<ul style="list-style-type: none"> • Normal variants (giacomini vein, duplications)
Gynecology	<ul style="list-style-type: none"> • Ovarian follicles • Nabothian cysts • Physiological amount of free fluid • Retroverted/retroflexed uterus

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 scan 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

Students must receive a Complete in the following activities in order to pass this course:

DESCRIPTION	WEIGHTING
Orientation Assignment	COM
CCSA Goals Assignment	COM
Portfolio Reflections	COM
Technologist Feedback Forms	COM
Formative & Summative Assessment Forms	COM
CCSA Competency Completion	COM
TOTAL	COM

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>

COURSE GUIDELINES & EXPECTATIONS

TBD by Instructor

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.

COLLEGE-WIDE POLICIES, PROCEDURES, REQUIREMENTS, AND STANDARDS

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](http://camosun.ca/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.