Springfield Technical Community College
School of Health & Patient Simulation

DMS-224 Sonography Scan 3

Spring 2026

Professor:	Eun Soo Lee, M.Ed., R.D.M.S., R.V.T.
Office Location:	Office: 20/302E, Lab: 20/328
Office Phone:	413.755.4915
Email Address:	elee@stcc.edu

Semester Credits:	1
Meeting days and times:	Tuesdays and Thursdays 11 am – 12 pm
Office Hours:	Tuesdays and Thursdays 11:50 am – 12:50 pm

Required Textbook

Diagnostic Medical Sonography: Abdomen and Superficial Structures (Diagnostic Medical Sonography Series) by Tonya Nolan and Diane Kawamura (2023)
ISBN: 9781975217174

Diagnostic Medical Sonography: Obstetrics & Gynecology (Diagnostic Medical Sonography Series) by Susan Raatz Stephenson M.Ed., BSRT-U, RDMS, RVT (2023)
ISBN: 978-1-4963-9937-3

Reference Textbook

Examination review for Ultrasound by Steven M. Penny (2022)
ISBN: 9781975185503

Reference Websites

www.ARDMS.org
www.SDMS.org
www.AIUM.org

Course Description

A continuation of Clinical Practicum 2. Application of classroom and laboratory study to sonographic examination in the specialties of Abdomen Ext., OB/Gyn and Vascular ultrasound.

Course Number:	DMS-224-D01
Semester Credits:	1
Credit Hour Distribution:	Lab: 2
Pre-requisite:	Clinical Practicum 2
Co-requisites:	DMS-221, DMS-222, and DMS-223

Teaching methods

Hands-on scanning of volunteer patients and laboratory exercises

Learning Outcomes

At the end of this course, the student should be able to do the following for abdominal, obstetric, and gynecologic sonography (as relevant):

1. Perform basic normal ultrasound examinations
2. Participate in the daily operation of a simulated classroom laboratory
3. Apply pertinent policies related to patients
4. Apply basic patient care methods to patient care
5. Solicit, locate, and use volunteer patient history data
6. Accurately summarize, explain, and present the findings of completed ultrasound examinations
7. Perform (with assistance) ultrasound examinations that demonstrate pathology

Course Expectations

Each student is expected to participate in and contribute to all activities related to the course. In particular, each assignment, ultrasound exam, worksheet submission, self-evaluation, and case presentation must be completed by the announced date in class.

Grading

A course grade will be assigned on the basis of how the student scores on periodic evaluations from their scanning lab. 25% from an Abdomen Complete ultrasound exam, 25% from Pelvic ultrasound exam, 20% from Thyroid ultrasound exam, and 30% other lab practices.
Students must be able to apply the practical skills required to perform an ultrasound examination. If the student is unable to obtain a final course grade of C, the student will be removed (dropped) from the Program. Please see the Program Policy and Procedures Manual for specifics.

Grading Scale

The STCC grade scale can be found in the STCC catalog grading system
Quantitative estimate = letter grade

93.00 to 100.0 = A
90.00 to 92.99 = A-
87.00 to 89.99 = B+
83.00 to 86.99 = B
80.00 to 82.99 = B-
77.00 to 79.99 = C+
73.00 to 76.99 = C
70.00 to 72.99 = C-
67.00 to 69.99 = D+
63.00 to 66.99 = D
60.00 to 62.99 = D-
Less than 60.00 = F

Attendance

Because of the importance of this course and the volume of material covered, students are expected to follow the course schedule and attend every class and be on time. The student is required to contact the Professor in the event of an unavoidable absence at least one hour prior to the scheduled class start time.

Tardy

- Arrival 10 minutes or more after the designated start time for a lecture or laboratory Student will be allowed into the classroom.
- 3 events of tardiness will be counted as an absence.

Leaving Class Early

- Leaving greater than 10 minutes before the designated end of class time for a lecture or laboratory.
- 3 events of leaving class early will be counted as an absence.

Absence

- Not arriving at all for a lecture or laboratory

More than ***3 absences*** from lecture and/ or lab for a full semester course will result in punitive action ranging from, but not limited to, reduction of course grade to withdrawal from the course. In the case of extenuating circumstances, please contact the instructor directly. Each situation will be evaluated on an individual basis.

Make up missed work/examinations

- It is the students' responsibility to make up all missed work and must be done so at a time convenient to both student and instructor.
- It is the students' responsibility to make up missed examinations and must be done so at a time convenient to both student and instructor. Missed examinations must be made up within 1 week.

Competencies and minimum case requirements:

The following competencies are required for program completion. They may be signed off on **by any sonographer credentialed in that specialty**. It is the student's responsibility to obtain competency sign-offs and maintain the original Competency Signoff log throughout their time in the Program. A copy of any partially signed-off competencies should be given to the Program Director within **one week** of obtaining the signature during each semester. **They are required to be completed by the end of your summer semester.**

Liver
Gallbladder/Biliary Tree
Pancreas

Spleen
Renal
Aorta
Vascular landmarks of the abdomen
Pleural space
Thyroid
Miscellaneous small parts (superficial masses, scrotum, etc.)
1st trimester general (Does not include nuchal translucency)
2nd trimester anatomic survey
3rd trimester (growth or follow-up)
3rd trimester (BPP)
Uterus (Transabdominal)
Uterus (Endovaginal)
Ovaries (Transabdominal)
Ovaries (Endovaginal)

College / Department Policies

Springfield Technical Community College is an institution that is committed to offering students the best possible education. The education environment is compromised when individuals infringe on the rights of others to succeed in learning. Therefore, the following policies and procedures are intended to serve as guidelines for acceptable behavior at STCC. Conduct which could subject a student to disciplinary action includes, but is not limited to:
Acts of dishonesty, disruption or obstruction of teaching or research, physical abuse, verbal abuse, threats, intimidation, harassment, coercion, other conduct which threatens or endangers the health and safety of any member of the campus, attempted or actual theft of and/or damage to property of the college of property of a member of the college, hazing, failure to comply with directions of college officials or law enforcement officials, unauthorized possession, duplication or use of keys to any College premises or unauthorized entrance, violations of published College policies, rules or regulations, violation of federal, state, or local laws on College premises, use, possession or distribution of narcotics or other controlled substances, use, possession or distribution of alcoholic beverages, illegal or unauthorized possession of firearms, explosives, other weapons or dangerous chemicals, conduct which is disorderly, lewd, or indecent. For a more complete listing, refer to your college catalog.

Veterans

Veterans and active duty military personnel with special circumstances and/or concerns are welcome and encouraged to communicate these, in advance if possible, to the instructor.

Students with disabilities

In compliance with Springfield Technical Community College's policy and equal access laws, disability-related accommodations are discussed and determined through an interactive process with the student. Students who are interested in discussing disability-related accommodations can begin the process by registering with STCC's Office of Disability Services (ODS) at: https://www.stcc.edu/resources/academic-support/ods/register/. Once registered, an ODS Counselor will review the disability documentation and reach out via a students STCC email to schedule an intake appointment to discuss any accessibility concerns in the educational setting, along with accommodation requests. For additional information, please contact ODS at 413-755-4785 or via email at disability_services@stcc.edu.

Documentation can be sent:
Email: disability_services@stcc.edu.
Fax: (413) 755-6323
Mail: STCC, Attn: Disability Services, One Armory Square, Springfield, MA 01105
Please see additional information on registering with the Office of Disability Services or contact ODS at 413-755-4785 or via email at disability_services@stcc.edu.

Office hours

Students who wish to communicate with me for whatever reason may do so during posted office hours. Office hours are 9 am to 10 am on Monday /Wednesday and 11:50 am to 12:50 pm on Tuesday /Thursday. Appointments are suggested. I may also be available outside of posted office hours by prior arrangement.

Springfield Technical Community College
School of Health & Patient Simulation

Semester calendar

(Like everything else in science, subject to change over time)
Read the chapter(s) in the text accompanying each topic.
Note: Alternative lab practice w/ OB phantom, OB Simulator, or AB Simulator available

Week (Dates)	**Topic**
1 (1/20-)	**Abdomen Complete US** (Time management)
2 (1/27-)	Pelvic Ultrasound
3 (2/3-)	Pelvic Ultrasound
4 (2/10-)	Pelvic Ultrasound Exam
5 (2/17-)	Thyroid US
6 (2/24-)	Neck US
7 (3/3-)	Thyroid /Neck US Exam
(3/10-)	
8 (3/17-)	Second tri. Anatomy Scan
9 (3/24-)	Abdomen Complete Exam
10 (3/31-)	Appendix US
11 (4/7-)	TV exam (simulator)
12 (4/14-)	Second tri. Anatomy Scan Exam (Simulator / Phantom)
13 (4/21-)	Second tri. Anatomy Scan Exam (Simulator / Phantom)

14 (4/28)	Review
15 (5/5-)	Scan exam