

# DMSO 2405 Sonography of Obstetrics and Gynecology 3A1

## CREDIT

4 Semester Credit Hours (3 hours lecture, 2 hours lab)

## MODE OF INSTRUCTION

Face to Face

## PREREQUISITE/CO-REQUISITE:

## COURSE DESCRIPTION

Detailed study of the pelvis and obstetrics/gynecology as related to scanning techniques, patient history and laboratory data, transducer selection, and scanning protocols.

## COURSE OBJECTIVES

- Upon completion of this course, the student will be able to
  - Identify the sonographic appearances of normal and abnormal female pelvis
  - Identify the normal and abnormal obstetrical findings
  - Demonstrate ergonomic scanning techniques using standard protocols
  - Evaluate patient history and laboratory data as it relates to sonography

## INSTRUCTOR CONTACT INFORMATION

Instructor: Lacey Stinebrickner, BGS, RDMS

Email: [lfstinebrickner@lit.edu](mailto:lfstinebrickner@lit.edu)

Office Phone: 409-257-0061

Office Location: Gateway

Office Hours: Please see Starfish to schedule an appointment

## REQUIRED TEXTBOOK AND MATERIALS

- *Diagnostic Medical Sonography: Obstetrics and Gynecology*; by Susan Raatz Stephenson 5<sup>th</sup> edition
- Webcam and computer for taking online tests if assigned at home

## ATTENDANCE POLICY



**LAMAR INSTITUTE  
OF TECHNOLOGY**

Students are expected to be in class unless prior arrangements have been made. Absences must be limited to serious illness and/or immediate family emergencies; unexcused absences are not allowed. Three (3) absences will result in a letter grade reduction. Excessive tardiness (more than 10 minutes/class or more than 2 consecutive classes) will result in an absence being awarded. **This includes lab!**

- The terminology excused or not excused absence does not apply to this class. All absences are equal. Therefore, no matter the circumstances involved in the student's absence it will be counted towards the total for the semester.
- The sign-in sheet will be taken up 15 minutes after class starts. If you are more than 15 minutes late to class you will be counted absent. Also, if you leave the classroom for more than 15 minutes you will be counted absent.
- When absent, the student is required to contact the instructor to obtain make-up assignment for missed class. It is the student's responsibility to make up lab assignments or a grade of zero will be given

## DROP POLICY

If you wish to drop a course, you are responsible for initiating and completing the drop process. If you stop coming to class and fail to drop the course, you will earn an "F" in the course.

## COURSE CALENDAR

DATE	TOPIC	READINGS (Due on this Date)	ASSIGNMENTS (Due on this Date)
1/20	Syllabus; Orientation and Labeling in OB/GYN Imaging	Chapter 1	
1/22	Principles of Scanning Techniques in OB/GYN U/S	Chapter 3	
1/27	Normal Anatomy of the Female Pelvis	Chapter 9	
1/29	Embryonic Dev & Congenital Anomalies of the Female Pelvis.	Chapter 6 & 7	
2/3	The Female Cycle	Chapter 8	
2/5	Doppler Evaluation of the Pelvis (Online Lecture) – Complete the Trophon Training and upload the certificates into Blackboard <b>Ford Park Recruitment participation required</b>	Chapter 10	
Unit I Quizzes for Chapters 1, 3, 6, 7, 8, 9, & 10 & Labeling Quizzes are due by 2/5/26 by 11:59 pm; The Transvaginal Pelvic Ultrasound Quiz is due at that time			
2/10	<b>Unit I Exam</b>		
2/12	Imaging the IUCD	Chapter 16	

2/17	Assisted Reproductive Technologies	Chapter 37	
2/19	The Use of Ultrasound in the 1 <sup>st</sup> Trimester	Chapter 17	
2/24	Assessment of the Fetal Age and Size in the Second & Third Trimester	Chapter 20	
2/26	Assessment of the Fetal Age and Size in the Second & Third Trimester		
Unit II Quiz 16, 17, 20, & 37 on Connect and Labeling Quizzes are due by 2/26/26 by 11:59 pm			
3/3	<b>Unit II Exam</b>		
3/5	Normal Placenta and Umbilical Cord	Chapter 21	
3/17	Sonographic Assessment of the Fetal Head (Normal)	Chapter 23	
3/19	Sonographic Assessment of the Fetal Neck and Spine (Normal)	Chapter 24	
3/24	Sonographic Assessment of the Fetal Chest; Sonographic Assessment of the Fetal Abdomen (Normal)	Chapters 26 & 27	
3/26	Sonographic Assessment of the Fetal Genitourinary System (Normal)	Chapter 28	
Unit III Quiz for Chapter 21 and Labeling Assignment on Blackboard Due 3/26/26 by 11:59 PM			
3/31	<b>Unit III Exam Day</b>		
4/2	Fetal Echocardiography	Chapter 25	
4/7	Continued		
4/9	The BPP; 3D/4D Imaging in OB/GYN	Chapters 30 & 39	
4/14	Multiple Gestations	31	
Unit IV Quiz for Chapters 30 & 39 and Labeling Quizzes due by 4/14/26 by 11:59 pm			
4/16	<b>Unit IV Exam</b>		
4/21	Benign Disease of the Female Pelvis	Chapter 12	
4/23	Malignant Disease of the UT & CX	Chapter 13	
4/28	Malignant Disease of the Ovary	Chapter 14	

4/30	PID & Endometriosis; Post-Partum Uterus	Chapter 15; Chapter 35	
Unit V Quiz for Chapters 12, 13, 14, 15, & 35 Due 4/30/26 by 11:59 pm			
5/5	<b>Final Exam</b> SUBJECT TO CHANGE!!		

\* This schedule is subject to change at the discretion of the instructor.

Please note that all students will attend lab on the following dates:

January 20<sup>th</sup>, January 22<sup>nd</sup>, January 27<sup>th</sup>, January 29<sup>th</sup>

## COURSE EVALUATION

Final grades will be calculated according to the following criteria:

Lecture is 85% of Grade	Lab is 15% of Grade
5% Quizzes/Participation/HW Assignments	85% Lab Protocols/Assignments
95% Exams	15% Participation

## GRADE SCALE

- 93-100    A
- 85-92     B
- 77-84     C
- 69-76     D
- 0-68      F

## TECHNICAL REQUIREMENTS

For the latest technical requirements, including hardware, compatible browsers, operating systems, etc., review the Minimum Computer and Equipment Requirements on the [LIT Online Experience](#) page. A functional broadband internet connection, such as DSL, cable, or WiFi is necessary to maximize the use of online technology and resources.

## DISABILITIES STATEMENT

The Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. LIT provides reasonable accommodations as defined in the Rehabilitation Act of 1973, Section 504 and the Americans with Disabilities Act of 1990, to students with a diagnosed disability. The Special Populations Office is located in the Eagles' Nest Room 129 and helps foster a supportive and inclusive educational environment by maintaining partnerships with faculty and staff, as well as promoting awareness among all members of the Lamar Institute of Technology community. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409)-951-5708 or email [specialpopulations@lit.edu](mailto:specialpopulations@lit.edu). You may

also visit the online resource at [Special Populations - Lamar Institute of Technology \(lit.edu\)](https://www.lit.edu/special-populations).

## **STUDENT CODE OF CONDUCT STATEMENT**

It is the responsibility of all registered Lamar Institute of Technology students to access, read, understand and abide by all published policies, regulations, and procedures listed in the *LIT Catalog and Student Handbook*. The *LIT Catalog and Student Handbook* may be accessed at [www.lit.edu](https://www.lit.edu). Please note that the online version of the *LIT Catalog and Student Handbook* supersedes all other versions of the same document.

### **AI Statement**

Lamar Institute of Technology (LIT) recognizes the recent advances in Artificial Intelligence (AI), such as ChatGPT, have changed the landscape of many career disciplines and will impact many students in and out of the classroom. To prepare students for their selected careers, LIT desires to guide students in the ethical use of these technologies and incorporate AI into classroom instruction and assignments appropriately. Appropriate use of these technologies is at the discretion of the instructor. Students are reminded that all submitted work must be their own original work unless otherwise specified. Students should contact their instructor with any questions as to the acceptable use of AI / ChatGPT in their courses.

### **STARFISH**

LIT utilizes an early alert system called Starfish. Throughout the semester, you may receive emails from Starfish regarding your course grades, attendance, or academic performance. Faculty members record student attendance, raise flags and kudos to express concern or give praise, and you can make an appointment with faculty and staff all through the Starfish home page. You can also login to Blackboard or MyLIT and click on the Starfish link to view academic alerts and detailed information. It is the responsibility of the student to pay attention to these emails and information in Starfish and consider taking the recommended actions. Starfish is used to help you be a successful student at LIT.

## **ADDITIONAL COURSE POLICIES/INFORMATION**

- In the case that your exam is online. You will be using LockDown Browser with Webcam Monitoring if the exam is done at home. The rules for the tests are:

Disable all notifications on your computer. This is how LockDown Browser is used to take a test.

- Locate the “LockDown Browser” shortcut on the desktop and double-click it. (For Mac users, launch “LockDown Browser” from the Applications folder.)
- If prompted to close a blocked program (e.g. screen capture, instant messaging) choose Yes.
- Log into the course, navigate to the test, and select it.

- A Startup Sequence will guide the student through a webcam check and other items required by the instructor.
- The test will then start.

20-point deductions for each occurrence:

- Where you are taking your exam must be well lit. If it is not well lit, you will have 20 points deducted from your test.
  - Your face must be visible the entire length of the test. If your face cannot be seen even for a few seconds you will have 20 points deducted from your test.
  - No music should be playing nor should a TV/radio/video be on in the background.
  - You may not read the questions out loud. If you do so, you automatically receive a 20-point deduction.
  - You may not wear sunglasses, hats, hoodies, earbuds, headphones, etc. during the exam. Your ears must be fully visible the entire exam, failure to comply with this will be a 20-point deduction. If you do this on another exam it will turn into a 50-point deduction

50-point reduction or a zero on the entire test

- You must be in a private location. If another person is seen or heard while you are taking your test this could be misconstrued as cheating resulting in a 50-point reduction or a zero. That is up to the situation and your instructor.
- All phones, notes, books, and other papers must be removed from the testing location. If these items are seen during your exam, you receive an automatic zero on the exam.
- Do NOT leave the exam room for any reason, if you do, it is an automatic 50-point deduction.
- Any suspicious activity that appears to be cheating will result in a zero.
- If you do not take your test in front of a mirror, it will be a 50-point deduction.
- Testing Tips
  1. You must use Google Chrome browser.
    - You must have a webcam and a microphone attached to your computer
    - Be prepared to scan the room with a camera, if you cannot move your computer, you will need to have a mirror available to assist with scanning the room.
  2. It is the student's responsibility to ensure that ALL of the above requirements are met. By completing the verify signature portion of the exam, you are accepting responsibility for your actions during the exam. Failure to follow the requirements will result in deductions from your exam grade when reviewed by your instructor.
- There is no extra credit given for this course.
- You will have the length of the class to finish an exam. No extra time will be given.
- You will have 8 lab assignments. This is 85% of your lab grade. You will be encouraged to bring 4 OB patients. You must complete (3) OB limited protocols on a live patient and (1) measurements on the practice baby in the lab. The other assignments will be (1) 1<sup>st</sup>

trimester transvaginal ultrasound on the simulator, (1) transabdominal pelvic and (1) thyroid ultrasound, (1) RUQ Abdominal Ultrasound. These images are to be put into Blackboard under the correct assignment for the protocol. Insert the images into the provided Microsoft PowerPoint template under the protocol assignment.

a. The rules are:

- i. The entire exam needs to be done at one time during your scan time in lab.
  1. Therefore, all images must be on the same machine with the same date and time. Images that are missing the date and time is cheating (refer to the Sonography lab rules for more information).

**2. Worksheets are required for each protocol.**

- ii. Four of the exams are due by March 26<sup>th</sup> – you can decide which ones you want to turn in first.
  - iii. The other 4 assignments are due by April 30<sup>th</sup> by midnight – Please submit these exams as you do them. **DO NOT WAIT UNTIL APRIL 30<sup>TH</sup>** to turn in all of your OB exams. You will get a 10-point deduction from your grade if all of your OBs are turned in at the same time!!!!
  - iv. If your patient can only come on the other lab day, get with me and I will be sure to allow you to switch with one other student on that day. Please be aware that you cannot come to more labs than you are scheduled for.
- The other portion of this grade will be determined by participation. (15%)
    - a. You will begin with 100
    - b. 20 points will be taken for missing lab unless it is made up
    - c. 10 points will be taken for every lab that you do not scan
    - d. 5 points will be deducted for not helping clean the lab every lab