

# DMSO 2341 Abdominopelvic Pathology 6A1

## CREDIT

3 Semester Credit Hours (3 hours lecture, 1 hours lab)

## MODE OF INSTRUCTION

Face to Face

## PREREQUISITE/CO-REQUISITE:

Completion of DMSO 1341 and DMSO 1355 with a C or better

## COURSE DESCRIPTION

Pathologies and disease states of the abdomen and pelvis 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 abnormal abdominal and pelvic structures
- Identify scanning techniques using standard protocol guidelines
- Evaluate patient history and laboratory data as it relates to abdominopelvic pathology
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## 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

1. *Abdomen and Superficial Structures*, Diane M. Kawamura and Tanya D. Nolan, 5<sup>th</sup> Edition
  - a. ISBN # 9781975217174
  - b. *You need Lippincott Connect for this book. It comes with an eBook. Use the access code 15UVH7VQDRC*
2. Webcam and computer for taking online tests if assigned at home

## ATTENDANCE POLICY

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



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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
1/21	Sonographic Characterization of Pathology	Chapter 2	Chapter 1 Chapter Proficiency Quiz & Workbook Quiz
1/23	Abdominal Wall and Diaphragm/Peritoneal Cavity	Chapters 4 & 5	Chapters 4 & 5 Chapter Proficiency Quizzes Video Quiz (Ch 4) Workbook Quizzes
1/28	Continue		
1/30	Vascular Structures	Chapter 6	Chapter 6 Chapter Proficiency Quiz, Video Quiz, and Workbook Quiz
2/4	Continue		
2/6	Adrenal Glands & Retroperitoneum	Chapter 15	Chapter 15 Chapter Proficiency Quiz & Workbook Quiz
2/11	Finish Vascular Structures		
All Unit I Quizzes are due by 2/12/2025 by 11:59 PM			
2/13	<b>Unit I Exam Day</b>		

2/18	Sterile Fields Lecture; practice		
2/20	Liver	Chapter 7	Chapter 7 Chapter Proficiency Quiz, Video Quiz, and Workbook Quiz
2/25	Liver		Sterile Fields competency test during lab
2/27	Liver		Sterile Fields competency test during lab
3/4	GB and Biliary Patho	Chapter 8	Chapter 8 Chapter Proficiency Quiz, Video Quiz, and Workbook Quiz
All Unit II Quizzes are due by 3/5/2025 by 11:59 PM			
3/6	<b>Unit II Exam Day</b>		
3/18	Pancreas	Chapter 9	Chapter 9 Chapter Proficiency Quiz, Video Quiz, and Workbook Quiz
3/20	Pancreas		
3/25	The Kidneys	Chapter 12	Chapter 12 Chapter Proficiency Quiz, Video Quiz, and Workbook Quiz
3/27	Continued		
4/1	Lower Urinary System	Chapter 13	Chapter 13 Chapter Proficiency Quiz, Video Quiz, and Workbook Quiz
All Unit III Quizzes are due by 4/2/2025			
4/3	<b>Unit III Exam Day</b>		
4/8	Case Study		
4/10	Spleen	Chapter 10	Chapter 13 Chapter Proficiency Quiz, Video Quiz, and Workbook Quiz
4/15	GI Tract	Chapter 11	Chapter 11

			Chapter Proficiency Quiz, Video Quiz, and Workbook Quiz
4/17	Thyroid/Parathyroid	Chapter 17	Chapter 17 Chapter Proficiency Quiz, Video Quiz, and Workbook Quiz
4/22	Finish Unit	Chapter 15	
All Unit IV Quizzes are due by 4/23/2025			
4/24	<b>Unit IV Exam Day</b>		
4/29	Prostate	Chapter 14	Chapter 14 Chapter Proficiency Quiz, Video Quiz, and Workbook Quiz
5/1	The Scrotum and Penis	Chapter 19	Chapter 19 Chapter Proficiency Quiz, Video Quiz, and Workbook Quiz
5/6	Complete Unit		
All Unit V Quizzes are due by 5/7/2025 by 11:59 PM			
5/8	<b>Exam Day</b>		

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

## COURSE EVALUATION

Final grades will be calculated according to the following criteria:

- 10% Case Study
- 5% Quizzes/Participation/HW Assignments
- 85% Exams

## GRADE SCALE

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

## Course Outline

- |   |   |
|---|---|
| <p>I. Vascular Pathology</p> <ul style="list-style-type: none"> <li>A. Abnormalities of the Portal System</li> <li>B. Diseases of Arteries</li> <li>C. Diseases of Veins</li> </ul> | <ul style="list-style-type: none"> <li>D. A-V Shunts</li> <li>E. Etiology</li> <li>F. Clinical Signs and Symptoms <ul style="list-style-type: none"> <li>i. Patient history</li> </ul> </li> <li>G. Sonographic Appearance</li> </ul> |
|---|---|

- H. Related imaging & Other testing
  - I. Labs
  - J. Differential Diagnosis
- II. Pathology of Retroperitoneal and Peritoneal Cavity, and Abdominal Wall**
  - A. Invasive Procedures**
    - i. Biopsy
    - ii. Aspirations
    - iii. Thoracentesis
    - iv. Paracentesis
  - B. Adenopathy**
  - C. Diseases of the Adrenal Glands**
    - i. Benign
    - ii. Malignant
  - D. Laboratory Values**
  - E. Abnormal Fluid Collections**
  - F. Etiology**
  - G. Clinical Signs and Symptoms**
    - i. Patient History
  - H. Sonographic Appearance**
  - I. Differential Diagnosis**
- III. Gastrointestinal Pathology**
  - A. Abnormal Bowel Signature**
  - B. Hypertrophic Pyloric Stenosis**
  - C. Infectious Diseases**
  - D. Benign Neoplasms**
  - E. Malignant Neoplasms**
  - F. Etiology**
  - G. Laboratory Values**
  - H. Clinical Signs and Symptoms**
    - i. Patient History
  - I. Sonographic Appearance**
  - J. Related imaging & other testing**
  - K. Differential Diagnosis**
- IV. Urinary System Pathology**
  - A. Benign Neoplasms**
  - B. Malignant Neoplasms**
  - C. Cystic Diseases**
  - D. Etiology**
  - E. Clinical Signs and Symptoms**
    - i. Patient history
  - F. Sonographic Appearance**
  - G. Related imaging & Other testing**
- H. Labs
  - I. Differential Diagnosis
- V. Liver Pathology**
  - A. Infectious Diseases**
  - B. Benign Neoplasms**
  - C. Malignant Neoplasms**
  - D. Vascular Abnormalities**
  - E. Trauma**
  - F. Etiology**
  - G. Clinical Signs and Symptoms**
    - i. Patient history
  - H. Sonographic Appearance**
  - I. Related imaging & Other testing**
  - J. Labs**
  - K. Differential Diagnosis**
- VI. Gallbladder and Biliary System**
  - A. Diseases of Gallbladder**
    - i. Benign
    - ii. Malignant
  - B. Bile Duct Abnormalities**
  - C. Etiology**
  - D. Clinical Signs and Symptoms**
    - i. Patient history
  - E. Sonographic Appearance**
  - F. Related imaging & Other testing**
  - G. Labs**
  - H. Differential Diagnosis**
- VII. Pancreas Pathology**
  - A. Infectious Diseases**
  - B. Benign Neoplasms**
  - C. Malignant Neoplasms**
  - D. Etiology**
  - E. Clinical Signs and Symptoms**
    - i. Patient history
  - F. Sonographic Appearance**
  - G. Related imaging & Other testing**
  - H. Labs**
  - I. Differential Diagnosis**
- VIII. Splenic Pathology**
  - A. Congenital Abnormalities**
  - B. Benign Neoplasms**
  - C. Malignant Neoplasms**
  - D. Infectious Diseases**

- E. Trauma
- F. Etiology
- G. Clinical Signs and Symptoms
- H. Laboratory Values
- I. Sonographic Appearance
- J. Infectious Diseases
- K. Parenchymal Disease
- L. Etiology
- M. Clinical Signs and Symptoms
  - i. Patient history
- N. Sonographic Appearance
- O. Related imaging & Other testing
- P. Labs
- Q. Differential Diagnosis
- IX. Superficial Structures
  - A. Thyroid/Parathyroid Gland Abnormalities
    - i. Functional
    - ii. Benign
    - iii. Malignant
  - B. Prostate
    - i. Benign

## TECHNICAL REQUIREMENTS

The latest technical requirements, including hardware, compatible browsers, operating systems, etc. can be online at <https://lit.edu/online-learning/online-learning-minimum-computer-requirements>. 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 \(lit.edu\)](#).

## 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](http://www.lit.edu). Please note that the online version of the *LIT Catalog and Student Handbook* supersedes all other versions of the same document.

## 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.

## **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.

## **ADDITIONAL COURSE POLICIES/INFORMATION**

- No food, drinks, or use of tobacco products in class.
- Cellphones and other electronic devices must be turned off during class.
- Do not bring children to class.
- All assignments are due at the beginning of class when stated on the addendum. Late assignments will have a 10-point deduction for every class day that the assignment is late. Missed in-class assignments receive a grade of zero.
- Exams will be on the dates specified unless the instructor makes a change. Exams will be in class unless the instructor changes the exam to online.
- If an exam is scheduled online and the exam is turned in past the due date, the student will have a 10-point reduction on his/her test score. The score will continue to drop 10 points for every day following the test. Also, if the student attends any sonography classes on test day, he/she must take the test that day or a zero will be given.
- It shall be considered a breach of academic integrity (cheating) to use or possess on your body any of the following devices during any examination unless it is required for that examination and approved by the instructor: Cell phone, smart watch/watch phone, laptop, tablet, electronic communication devices (including optical), and earphones connected to or used as electronic communication devices.
  - a. Cheating on any (lecture/lab) exam results in immediate dismissal from the program and an F for the course.
- 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.
- 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.
- Case Study Presentation- Abdominal or small parts pathology that has been approved by the instructor. Plagiarism will result in a zero for this assignment and removal from the Diagnostic Medical Sonography Program. Proper citing is vital to this assignment.
- Community Service – 4 hours of community service for a homework grade. It must be approved by me.