

**LANCASTER GENERAL COLLEGE OF NURSING AND HEALTH SCIENCES
DIAGNOSTIC MEDICAL SONOGRAPHY PROGRAM**

SYLLABUS

- I. Title: DMS 213 – ULTRASOUND SEMINAR
- II. Course Description: This course will prepare the student for clinical practice and the registry exams. The student will hear lectures given by experienced sonographers and physicians on ultrasound-related topics. The student will review a series of ultrasound procedures, testing clinical diagnostic skills for a wide range of abnormalities. Each student will take a series of registry-like exams in each major area of study.
- III. Prerequisite: DMS 200, DMS 201, DMS 202, DMS 203
- IV. Placement: Year II - Semester II
- V. Time Allotment: Theory 45 hours
 Clinical Laboratory 0 hours
- VI. Faculty: Robert M. Hess, BS, RDMS
 Brent A. Miles, RDMS, RVT
- VII. Credits: 3
- VIII. Evaluation: 3 Mock Registry Exams 300 Points
 5 Quizzes 230 Points
 3 Assignments 120 Points
- Total Theory Points 650 Points
- *A grade of "C" (2.0) is required to pass the theory portion of the course.**
- IX. Textbooks: None
- X. Course Objectives: At the completion of Ultrasound Seminar, the student will demonstrate that he/she has the knowledge to:
1. Utilize critical thinking in the analysis of the diagnostic imaging protocol.
 2. Demonstrate effective communication and presentation techniques.
 3. Relate knowledge of ultrasound physics to clinical practice.
 4. Demonstrate understanding in all specialties within general sonography.
 5. Promote continued professional development and responsibility to the community by completing designated portfolio of activities.

- XI. School Policies: Students are held accountable for all policies in the Student Handbook and any revisions made to those policies during the academic year.
- XII. Class:
- A. Importance of Attending Class
- Education comprises more than just private reading and passing of exams. Students should recognize that active and informed participation in class is essential to the development of their intellectual abilities and scholarly growth. Students must also recognize the importance, for both the present and the future, of achieving an academic record that reflects their intellectual ability. Such records are seldom achieved without regular attendance and participation in class activities. Attendance will be taken.
- B. Student Responsibility for Missed Material
- Students are responsible for all material presented and announcements made in class, regardless of attendance. It is the student's responsibility to obtain materials and assignments if absent.
- C. Unit Examinations
- Examinations should only be missed in extenuating circumstances. A student who misses an examination will be required to make up the examination on the next day of lecture. Contact the Course Faculty prior to the next lecture day to make arrangements to take the exam.
- A student who misses an examination, regardless of the reason, will have ten percent (10%) deducted from the grade achieved on the exam.
Example: The exam is worth sixty (60) points, the student takes the exam and achieves a grade of 52/60. The score of 52 is then decreased by ten percent (10%) or five (5) points, thus the grade on the exam will be 47/60. An alternate examination may be given for the make-up examination.
- D. Class Behavior
- Once class has started, the instructor has the prerogative not to admit students into lecture. Students will be dismissed from class for any inappropriate behavior.
- E. Written Assignments:
- All submitted written work must follow the College of Nursing and Allied Health Writing Guidelines.

XIII. Other:

A. Academic Dishonesty and Plagiarism

Academic dishonesty violates the spirit and purpose of an academic community, and is therefore subject to disciplinary action. Academic dishonesty includes cheating on examinations, unauthorized duplicated submission of work, and/or unauthorized possession of exams.

Plagiarism is an act of academic dishonesty. Any work submitted that is not your own is an act of plagiarism. In preparing assignments, you must acknowledge in writing, any use of outside sources or any assistance you received in preparing an assignment.

If an instructor believes that a student has committed an act of academic dishonesty or has plagiarized material, the instructor will award a failing grade for that assignment to the student. If the occurrence is during an examination, the student will receive a zero for that portion of their grade and must leave the room.

If the student disagrees with this decision, the student may follow the grievance procedure.

XIV.

CONTENT	HOURS	STUDENT ACTIVITIES	COURSE OBJECTIVE
PHYSICS REVIEW:			
I. Physics & Instrumentation Principles Propagation Transducers	3	Homework Assignment	1,3,4
II. Physics & Instrumentation Memory & Display Artifacts Quality Assurance & Bioeffects	3	Homework	4
III. Guest Lecture Physics & Instrumentation Doppler	4		3,4
IV. Physics Mock Registry Exam	(3)		
OB/GYN REVIEW:			
I. Case Review Uterus Adnexa Quiz	4 4 1	Review sonograms from teaching file	1,4
II. OB/GYN Mock Registry Exam	(3)		
CONTENT	HOURS	STUDENT ACTIVITIES	COURSE OBJECTIVE

ABDOMEN REVIEW:			
I. Case Review Retroperitoneum Urinary System Quiz Biliary Tract Liver Disease Quiz	3 4 1 4 4 1	Review sonograms from teaching file	1,4
II. Guest Lecture Urinary System Liver/Biliary/Pancreas	1 2		4
III. Abdomen Mock Registry	(3)		
STUDENT ACTIVITIES:			
I. Ultrasound Paper/Presentation II. Portfolio – Exemplar Presentation	3 hrs 3 hrs		2,5