

MASTER SYLLABUS

COURSE NUMBER AND TITLE:

RAD 349 -3, Fundamentals of Sonography

COURSE DESCRIPTION:

This course is designed to introduce the profession of Diagnostic Medical Ultrasonography. Topics of study include historical perspectives; medical ethics and law; patient care and communication; exam related documentation; work related musculoskeletal disorders, and terminology. Restricted to major or consent of school. Students must receive a grade of "C" or higher to advance within the Sonography Program.

COURSE OBJECTIVES:

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

1. Discuss the legal process and types of law, as relates to sonography
2. Describe best practices to avoid legal consequences.
3. Discuss the Patient Care Partnership and compliance regulations to patient privacy and confidentiality.
4. Describe the healthcare coding and reimbursement system as relates to sonography
5. Demonstrate knowledge of the foundations of clinical patient care pertinent to sonography.
6. Demonstrate ability to identify clinical signs and symptoms requiring emergency action and describe associated emergency medical procedure(s).
7. Define ultrasound terminology to include anatomic, diagnostic and symptomatic terms and descriptions.
8. Demonstrate knowledge of and prevention of work-related musculoskeletal disorders.

COURSE

OUTLINE:

	PERCENTAGE:
1. Medical ethics and law.	20%
2. Patient care.	30%
3. Work Related Musculoskeletal Disorders.	20%
4. Terminology.	30%

MEANS OF STUDENT EVALUATION:

All students are expected to attend class and come prepared to discuss the topic(s) assigned. No make-up opportunities for missed daily quizzes or assignments will be offered.

Types of assignments include, but are not limited to, readings, oral and written exercises. Additional assignments and assessments can be added at any time deemed necessary by instructor.

*Tests will cover text, lecture and handouts. No make-up tests will be given except for instructor approved absences, and may be subject to point penalty. Course assignments, quizzes, tests and final exam are weighted as listed below. Grades are determined by the percentages and point values as follows:

• Final Exam	40%
• Unit Tests	35%
• Quizzes & Assignments	<u>25%</u>
	100%

Grading scale	A = 93 -100%
	B = 85 - 92%
	C = 77 - 84%
	D = 70 - 76%
	F = < 70%

PREREQUISITES: Instructor approval.

TEXTBOOK: Penny, S (2015) Introduction to Sonography and PatientCare 1st ed.,
Wolters Kluwer Health