

MASTER SYLLABUS

COURSE NO., HOURS AND TITLE:

RAD 489 - 3, Neurosonography (Pediatric Sonography)

COURSE DESCRIPTION:

A study of neonatal and pediatric head, spine, hip, abdomen, and urinary systems anatomy, physiology, and pathophysiology. Topics will include patient care, integration of data, and imaging protocol. 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 demonstrate knowledge either orally, in writing or by demonstration of the following:

- Explain and discuss the indications and applications associated neonatal disorders discussed in class
- Recognize and discuss normal vs. abnormal sonographic appearance of topics covered in class
- Interpretation of appropriate laboratory tests and related clinical signs and symptoms of course content
- Increase knowledge and diagnostic confidence in the performance and or interpretation of pediatric ultrasound exams and appropriate patient preparation, scanning technique and imaging protocol

COURSE OUTLINE:

Percentages:

1.	Neonatal and Pediatric Abdomen	20%
2.	Neonatal and Pediatric Adrenal and Urinary System	20%
3.	Neonatal and Infant Head	20%
4.	Infant and Pediatric Hip	20%
5.	Neonatal and Infant Spine	20%

MEANS OF STUDENT EVALUATION:

- | | |
|-------------------------|--------------|
| • Test Performance | = 50% |
| • Quizzes & Assignments | = <u>50%</u> |
| | 100% |

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

PREREQUISITES: Instructor approval

TEXTBOOK:

Hagen-Ansert, S (2017) Textbook of Diagnostic Ultrasonography 8th ed.,
Mosby, St. Louis, MO