

MASTER SYLLABUS

COURSE NUMBER AND TITLE:

RAD 359A-3 Obstetric & Gynecology Sonography I

COURSE DESCRIPTION:

A study of gynecologic and obstetric/fetal anatomy; physiology; patient care; and imaging/interventional techniques. Emphasis will be placed on normal and abnormal gynecologic anatomy, normal and abnormal first trimester obstetric ultrasound, physiology, sonographic patterns, clinical history, physical assessment, and appropriate exam 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:

1. Explain and describe patient care, exam preparation & technique
2. Demonstrate the significance of clinical history; ethics (basic student-technologist and patient rapport).
3. Describe the normal anatomy and physiology of the non-gravid female pelvis including pediatric; infertility; post-menopausal appearance and scanning techniques.
4. Describe clinical symptoms, pathologic/physiologic and sonographic findings related to: pelvic pathologies and congenital anomalies.
5. Discuss indications for obstetric sonography and the use of sonography as a diagnostic and screening test.
6. Understand clinical ethics for obstetric sonography.
7. Explain the appropriate indications and protocols for first-trimester obstetrics ultrasound.
8. Evaluate for first-trimester complications and abnormalities.
9. Assess fetal parameter measurements, proportions, and fetal growth.
10. Discuss the multiple fetal parameters and calculated ages used to assess the fetal somatic proportions and growth.

COURSE OUTLINE:

PERCENTAGES:

1. Pelvic Anatomy & Physiology	20%
2. Pelvic Pathology	20%
3. Role of Sonography in Obstetrics	5%
4. 1 st Trimester Obstetrics	15%
5. 1 st Trimester Complications	15%
6. OB measurements & gestational age	15%
7. Fetal Growth Assessment	10%

MEANS OF STUDENT EVALUATION:

Tests	70%
Assignments	<u>30%</u>
	100%

Grading Scale

93 - 100 =A

85 - 92 =B

77 - 84 =C

70 - 76 =D

0 - 69 =F

PREREQUISITES: Instructor Approval.

TEXTBOOK:

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