

DMS 55B: OBSTETRICS II

Foothill College Course Outline of Record

Heading	Value
Units:	2
Hours:	2 lecture, .5 laboratory per week (30 total per quarter) Laboratory meets every other week (1 hour per laboratory meeting).
Prerequisite:	DMS 55A.
Degree & Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Student Learning Outcomes

- Recognize clinical and sonographic signs of the abnormal pregnancy.
- Describe the sonographic findings of the fetus affected by maternal complications.

Description

Advanced obstetrical sonography. Abnormal second and third trimester fetal growth and sonographic measurements with correlations to accepted standards. Abnormalities, pathology and maternal complications. One-half hour per week will be spent in completing online exams and working on patient case studies. Intended for students in the Diagnostic Medical Sonography Program; enrollment is limited to students accepted in the program.

Course Objectives

The student will be able to:

- recognize clinical and sonographic signs of the abnormal pregnancy.
- recognize fetal abnormalities of the various organs and systems of the fetus.
- understand maternal complications.
- recognize complications of the postpartum pregnancy.
- define the components of a quality complete study.
- discuss ethical dilemmas for health care personnel when in conflict with cultural, gender, and age-related populations.

Course Content

- The abnormal pregnancy with the emphasis on the second and third trimester fetus
 - classifications of the high risk pregnancy and its impact on fetal and maternal well-being
 - contrast clinical symptoms
 - contrast history and physical examination findings
 - lecture of this topic followed by lab exercise
- Fetal abnormalities in the second and third trimester pregnancy
 - fetal head and brain
 - fetal thorax
 - fetal chest
 - fetal abdomen
 - fetal skeletal system
 - lecture of this topic followed by lab exercise

- Maternal complications in the second and third trimesters
 - cardiac complications
 - urinary tract complications
 - digestive tract complications
 - nutritional compromises
 - lecture of this topic followed by lab exercise
- The postpartum uterus
 - complications of infection
 - complications for deep vein thrombosis
 - lecture of this topic followed by lab exercise
- Image quality recognition for interpretation, presentation, and technical quality
 - assessing and obtaining pertinent clinical information
 - components of the clinical report
 - assessing relevant from non-relevant data
 - produce quality studies for the physician to interpret
 - contrast diagnostic quality of examinations from suboptimal studies
 - Artifacts - determine useful artifacts from other types of artifacts
 - lecture of this topic followed by lab exercise
 - internet research to develop the case review and presentation
 - internet research for the differential diagnosis
- Technical and psychosocial topics in obstetrical sonography
 - role of the sonographer and patients who carry an abnormal fetus with respect to cultural beliefs
 - communication using profession specific nomenclature
 - applying described techniques to patients from diverse cultural, emotional, and socioeconomic status with sensitivity to their rights and comforts

Lab Content

- Participate in online assessments
- Testing
- Case analysis

Special Facilities and/or Equipment

- DVD/TV, computer, monitor, viewboxes.
- When taught via Foothill Global Access, on-going access to computer with email software and hardware; email address.

Method(s) of Evaluation

- Demonstration of mastery of lecture material
- Written quizzes
- Midterm
- Comprehensive final exam

Method(s) of Instruction

- Lecture presentations
- Classroom discussions
- Canvas assignments

Representative Text(s) and Other Materials

Stephenson, S., and J. Dmitrieva. Diagnostic Medical Sonography: Obstetrics and Gynecology. 4th ed. Philadelphia, PA: Wolters Kluwer, MD, 2018.

Hall-Terracciano, B., and S. Stephenson. Workbook for Diagnostic Medical Sonography: A Guide to Clinical Practice, Obstetrics and Gynecology. 4th ed. Philadelphia, PA: Wolters Kluwer, MD, 2018.

Types and/or Examples of Required Reading, Writing, and Outside of Class Assignments

A. Weekly reading of texts - estimated at 30 pages

B. Complete written sections of the syllabus

Discipline(s)

Diagnostic Medical Technology