

# DMS 55B: OBSTETRICS II

## Foothill College Course Outline of Record

Heading	Value
<b>Units:</b>	2
<b>Hours:</b>	2 lecture, .5 laboratory per week (30 total per quarter) Laboratory meets every other week (1 hour per laboratory meeting).
<b>Prerequisite:</b>	DMS 55A.
<b>Degree &amp; Credit Status:</b>	Degree-Applicable Credit Course
<b>Foothill GE:</b>	Non-GE
<b>Transferable:</b>	CSU
<b>Grade Type:</b>	Letter Grade Only
<b>Repeatability:</b>	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

Methods of Evaluation may include but are not limited to the following:

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

## Method(s) of Instruction

Methods of Instruction may include but are not limited to the following:

- 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