

# DMS 54B: GYNECOLOGY & OBSTETRICS

## 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 54A.
<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

- Identify and describe reproductive anatomy and physiology.
- Describe normal size and pathology of the female reproductive system.
- Describe embryology, normal and abnormalities in the first trimester

## Description

Anatomy and physiology of the nongravid pelvis and first trimester pregnancy. Pathology, sonographic appearance, and clinical symptoms of the female patient. Sonographic protocols and measurements with correlations to accepted standards. 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:

- identify and describe reproductive anatomy and physiology.
- describe normal size and pathology of the female reproductive system.
- describe embryology, normal and abnormalities in the first trimester.
- discuss ethical dilemmas for health care personnel when in conflict with cultural, gender, and age populations.

## Course Content

- Identify and describe reproductive anatomy and physiology
  - Embryonic development of the developing pregnancy
  - Anatomy of first trimester pregnancy and embryo to fetus
  - Physiological development of the first trimester pregnancy
- Pathology
  - The abnormal first trimester pregnancy
  - Loss of the first trimester pregnancy
  - Ectopic pregnancy
- Describe embryology, normal and abnormalities in the first trimester
  - Lab tests
  - Clinical and physical symptoms of normal pregnancy
  - Clinical and physical symptoms of abnormal pregnancy
  - Physical symptoms
  - Size of the normal first trimester pregnant uterus/ovaries

- Abnormal uterine development
  - Abnormal ovary during pregnancy
- Technical, psychosocial, ethics, legal and cultural beliefs
    - Standards for use of technical factors
    - Understanding the pregnant patient
    - Patient bonding
    - Legal issues with first trimester pregnancy
    - Psychology and the emotional state of the pregnant patient
    - Pregnancy as it relates to cultural differences

## Lab Content

- 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
- Patient case studies
- Midterms
- 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

- Weekly reading of texts - estimated at 30 pages per week.
- Complete written sections in syllabus and tests.

## Discipline(s)

Diagnostic Medical Technology