

# DMS 54A: GYNECOLOGY

## 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 50A.
<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

- Describe normal size and pathology of the female reproductive system.
- Identify and describe reproductive anatomy and physiology.

## Description

Anatomy and physiology of the nongravid pelvis. Pathology, sonographic appearance, and clinical symptoms of the female patient. Sonographic protocols and measurements with correlations to accepted standards. One 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 embryological development of the female reproductive tract.
- identify and describe reproductive anatomy and physiology.
- list the pathology associated with the female reproductive system.
- describe normal size of the female reproductive system.
- recite the process to determine a proper clinical assessment of the female patient.
- discuss the technical, psychosocial, ethics, legal and cultural beliefs.
- discuss ethical dilemmas for health care personnel when in conflict with cultural, gender, and age populations.

## Course Content

- Gynecology
  - Embryonic development of the female reproductive tract
  - Lecture of this topic followed by lab exercise
- Anatomy and physiology
  - Vagina
  - Cervix
  - Uterus
  - Fallopian tubes
  - Ovaries
  - Lecture of this topic followed by lab exercise
- Pathology
  - Vagina
  - Cervix

- Uterus
- Fallopian tubes
- Ovaries
- Adjacent ligaments
- Adjacent muscles
- Adjacent bowel
- Nearby omentum
- Lecture of this topic followed by lab exercise
- Normal and abnormal size of the female reproductive tract
  - Neonate
  - Child
  - Post puberty
  - Adult
  - Postmenopausal
  - Lecture of this topic followed by lab exercise
- Clinical assessment of the gynecology patient
  - Obtaining clinical history
  - Lab results
  - Additional image exams and reports
  - Lecture of this topic followed by lab exercise
- Technical, psychosocial, ethics, legal and cultural beliefs
  - Following standards for technical factors
  - Following standards for patient interview
  - Complete assessment for vital signs
  - Discuss ethical dilemma
  - Discuss cultural beliefs and how this impacts the acquisition of the sonographic examination
- Internet research and report writing
  - One-half hour per week to research assigned topics

## Lab Content

- Participate in online assessments, testing and 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
- Patient case studies
- Midterms
- 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 in syllabus and tests.

## **Discipline(s)**

Diagnostic Medical Technology