

NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY DMS 204 – INTRODUCTION TO GENERAL SONOGRAPHY (3 CR.)

Course Description

Discusses the principles of abdominal, pelvic, and small parts sonography through the exploration of related anatomy, sonographic appearances, and common pathologies. Lecture 2 hours per week. Lab 2 hours per week.

General Course Purpose

The purpose of this course is to introduce abdominal sonography as cross-training for students studying a sonography specialty area other than general ultrasound. This will enable DMS students to function in clinical settings that practice multiple sonography specialties.

Course Prerequisites/Corequisites

The student must satisfactorily complete all previous sonography courses with a grade of “C” or better.

Course Objectives

Upon completing the course, the student will be able to:

The course objectives align with the National Education Curriculum for Sonography (NEC) provided by the Joint Review Committee on Education in Diagnostic Medical Sonography (JRCEDMS). <http://www.jrcdms.org/nec/>. At the end of this course, the student will be able to:

- a) Describe the normal anatomy, variants and function of abdominal, small parts, and pelvic organs.
- b) Describe appropriate sonographic technique and normal sonographic appearance of abdominal, small parts, and pelvic organs.
- c) Correlate clinical indication and laboratory values associated with diseases of the abdominal, small parts, and pelvic organs.
- d) Identify common pathology in terms of sonographic appearances.
- e) Identify normal and abnormal vascular flow characteristics and waveforms.

Major Topics to be Included

1. Normal anatomy, normal physiology, and common pathophysiology of the following structures:
 - a. Urinary System
 - b. Pelvis
 - c. Liver
 - d. Biliary System
 - e. Abdominal Vasculature
 - f. Thyroid

2. Sonographic appearances and vascular patterns for both normal and diseased states for the following structures:
 - a. Urinary System
 - b. Pelvis
 - c. Liver
 - d. Biliary System
 - e. Abdominal Vasculature
 - f. Thyroid