

This course is an initial introduction to the clinical environment. It allows the student to familiarize themselves with the operational process and exam protocols of their clinic site.

Prerequisites: Completion of all DMSP courses with a grade of "C" or better.

Offered: Spring semester junior year.

DMSP 2111 Abdomen Ultrasound II (3-0-3)

This is an advanced course in abdominal sonography. The sonographic appearance of abdominal organ diseases and their processes will be examined. Normal and abnormal lab values will be discussed. The normal and abnormal Doppler signals of various organs will be evaluated. Special procedures of the abdomen will be included such as biopsies, paracentesis and various interventional procedures. Sterile technique is included.

Prerequisites: Completion of previous DMSP course with a grade of "C" or better.

Offered: Summer semester junior year.

DMSP 2112 Obstetrical Ultrasound II (3-0-3)

This course presents fetal development and abnormalities from the first trimester through the third trimester. The role of sonographers in performing interventional/invasive procedures. Multiple gestations, amniotic fluid index, congenital/genetic anomalies, viability, fetal monitoring, maternal factors, fetal therapy and the post partum mother will also be evaluated.

Prerequisites: Completion of all DMSP courses with a grade of "C" or better.

Offered: Summer semester junior year.

DMSP 2113 Clinical Observation and Practicum I (0-24-2)

This is an expansion of the clinical observations course DMSP 1105. Students will begin their hands-on experience by entering patient data, recording patient history, selecting the appropriate transducer for the exam, positioning the patient for the exam and practicing the art of scanning.

Prerequisites: Completion of all DMSP courses with a grade of "C" or better.

Offered: Summer semester junior year.

DMSP 2114 Pediatric Ultrasound (3-0-3)

This course is designed to introduce the DMSP student to the various stages and sonographic appearance of normal and abnormal brain development. The significance of abnormal findings. Various techniques of scanning the infant brain along with the particular care needed for scanning the neonate, newborn, and pediatric patient. Sonographic evaluation of the normal and abnormal infant spine is included. Abdominal and pelvic exams will also be discussed.

Prerequisites: Completion of all DMSP courses with a grade of "C" or better.

Offered: Fall semester senior year.

DMSP 2115 Superficial Structures and Invasive Procedures (3-3-4)

This course will discuss the various ultrasound techniques used while performing an exam on the following: thyroid, breast, scrotum, prostate, anterior abdominal wall, neck, non cardiac chest, gastrointestinal tract, and extremities. The student will learn to appraise the normal and abnormal sonographic findings of these areas as well as disease processes and laboratory values. Invasive procedures will also be evaluated.

Prerequisites: Completion of all DMSP courses with a grade of "C" or better.

Offered: Fall semester senior year.