

DMSG - Diagnostic Medical Sonography-General Imaging

Courses

DMSG 110 Sterile Techniques

2 Credits. 1 Lecture Hour. 2 Lab Hours.

A course on fundamental surgical skills and surgical room set-up procedures. Topics include: rules and regulations for sterile environments, sterile trays and other equipment, technician behavior in sterile environments, infection risk control, surgical asepsis, anesthesia, and specimen care.

Prerequisites: Admitted to the DMS program through the selective enrollment process, and instructor consent

Instructor Consent Required

DMSG 120 General Imaging Sonography

3 Credits. 3 Lecture Hours. 0 Lab Hour.

A course on general imaging scanning techniques and the operation of ultrasound systems. Topics include: professional standards and behaviors, basic ultrasound machine controls, scan planes, demonstration of appropriate imaging techniques, and use of descriptive terminology associated with abdomen, obstetrics, and gynecological studies.

Prerequisites: Instructor consent

Corequisites: DMSG 121: General Imaging Sonography Scan Lab 1
Instructor Consent Required

DMSG 121 General Imaging Sonography Scan Lab 1

2 Credits. 0 Lecture Hour. 6 Lab Hours.

A course on developing skills in the scanning techniques and protocols related to abdominal, superficial parts, obstetrics, and gynecological structures and physiology.

Prerequisites: Instructor consent

Corequisites: DMSG 120: General Imaging Sonography DMS 111 : Sonographic Principles and Instrumentation 1 DMSG 110 : Sterile Techniques

Instructor Consent Required

DMSG 122 General Imaging Sonography Scan Lab 2

2 Credits. 0 Lecture Hour. 6 Lab Hours.

A continuation of DMSG 121, emphasizing increased experience using scanning techniques and protocols related to abdominal, superficial parts, obstetrics, and gynecological structures and physiology.

Prerequisites: DMSG 121 (minimum grade C)

Corequisites: DMSG 131 : Abdominal Sonography 1 DMSG 141 : Obstetrics and Gynecology Sonography 1 DMS 112 : Sonographic Principles and Instrumentation 2

DMSG 131 Abdominal Sonography 1

3 Credits. 3 Lecture Hours. 0 Lab Hour.

A course on theory and principles of abdominal and superficial parts sonography. Topics include: normal and abnormal etiology, diagnostic techniques and correlation with clinical tests, scanning techniques and protocols, and detection of abnormalities and pathologies.

Prerequisites: DMSG 120 and DMSG 121 (minimum grade C for both)

Corequisites: DMSG 141 : Obstetrics and Gynecology Sonography

1 DMSG 122 : General Imaging Sonography Scan Lab 2 DMS 112 : Sonographic Principles and Instrumentation 2

DMSG 141 Obstetrics and Gynecology Sonography 1

3 Credits. 3 Lecture Hours. 0 Lab Hour.

A course on theory and principles of obstetrical and gynecological sonography. Topics include: normal and abnormal etiology; diagnostic techniques related to gynecology and fetal development; scanning techniques and protocols; and detecting abnormalities, pathologies, and other deviations from normal development.

Prerequisites: DMSG 120 and DMSG 121 (minimum grade C for both)

Corequisites: DMSG 131 : Abdominal Sonography 1 DMSG 122 :

General Imaging Sonography Scan Lab 2 DMS 112 : Sonographic Principles and Instrumentation 2

DMSG 223 General Imaging Sonography Scan Lab 3

1 Credit. 0 Lecture Hour. 3 Lab Hours.

A continuation of DMSG 122, emphasizing increased experience using scanning techniques and protocols related to abdominal, superficial parts, obstetrics, and gynecological structures and physiology.

Prerequisites: DMSG 122 (minimum grade C)

DMSG 224 General Imaging Sonography Scan Lab 4

2 Credits. 0 Lecture Hour. 4 Lab Hours.

Students demonstrate required sonography competencies and proficiencies prior to completion of the program.

Prerequisites: DMSG 223

DMSG 232 Abdominal Sonography 2

2 Credits. 2 Lecture Hours. 0 Lab Hour.

A continuation of DMSG 131, with additional information on theory and principles of abdominal and superficial parts sonography.

Prerequisites: DMSG 131 (minimum grade C)

DMSG 242 Obstetrics and Gynecology Sonography 2

2 Credits. 2 Lecture Hours. 0 Lab Hour.

A continuation of DMSG 141, with additional information on theory and principles of obstetrical and gynecological sonography.

Prerequisites: DMSG 141 (minimum grade C)

DMSG 245 General Imaging Specialties

2 Credits. 1 Lecture Hour. 2 Lab Hours.

A course on advanced procedures and emerging technologies in the field of general imaging ultrasound.

Prerequisites: DMSG 232, DMSG 242 (minimum grade C for both)

DMSG 250 General Imaging Seminar

2 Credits. 1 Lecture Hour. 2 Lab Hours.

A course on integration of concepts and clinical applications in general sonography. Topics include: current trends and advanced sonographic procedures and technologies, transition to an entry-level general imaging sonography position, mock registry examinations, and preparation for national credentialing examinations. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: DMSG 224, DMSG 232 and DMSG 242 (Minimum grade C for all)

DMSG 281 General Imaging Internship 1

1 Credit. 0 Lecture Hour. 24 Lab Hours.

Students participate in supervised practice of general imaging and obstetrical diagnostic ultrasound procedures in hospitals, clinics, and private physician offices. Students are evaluated on professional behavior and performance, and clinical competency.

Prerequisites: DMSG 122 and DMSG 131 and DMSG 141 (minimum grade C for all)

Corequisites: DMSG 223 : General Imaging Sonography Scan Lab 3

DMSG 282 General Imaging Internship 2

1 Credit. 0 Lecture Hour. 24 Lab Hours.

A continuation of DMSG 281. Students participate in supervised practice of general imaging and obstetrical diagnostic ultrasound procedures in hospitals, clinics, and private physician offices.

Prerequisites: DMSG 281

Corequisites: DMSG 232 : Abdominal Sonography 2 DMSG 242 : Obstetrics and Gynecology Sonography 2

DMSG 283 General Imaging Internship 3

2 Credits. 0 Lecture Hour. 32 Lab Hours.

A continuation of DMSG 282. Students participate in supervised practice of general imaging and obstetrical diagnostic ultrasound procedures in hospitals, clinics, and private physician offices.

Prerequisites: DMSG 282

Corequisites: DMSG 250 : General Imaging Seminar