

## Course Number and Title: DMS 241 Clinical Internship II

**Campus Location:**

Georgetown

**Effective Date:**

2021-51

**Prerequisite:**

DMS 240

**Co-Requisites:**

none

**Course Credits and Hours:**

6.00 credits

0.00 lecture hours/week

32.00 lab hours/week

**Course Description:**

This course, the second in a series, provides the student with clinical exposure necessary to be successful in the field of sonography with emphasis on the comfort and safety of the patient while maintaining quality performance in diagnostic medical sonographic procedures.

**Required Text(s):**

Obtain current textbook information by viewing the [campus bookstore - https://www.dtcc.edu/bookstores](https://www.dtcc.edu/bookstores) online or visit a campus bookstore. Check your course schedule for the course number and section.

**Additional Materials:**

Diagnostic Medical Sonography Program Student Handbook

Separate instructor handouts and assignments

**Schedule Type:**

Classroom Course

**Disclaimer:**

None

**Core Course Performance Objectives (CCPOs):**

1. Integrate didactic and laboratory principles in the clinical setting. (CCC 1, 2, 3, 4, 5, 6; PGC 1, 2, 3, 4)
2. Operate with proficiency the ultrasound instrumentation and other equipment necessary for sonographic procedures. (CCC 2, 4, 5, 6; PGC 1)
3. Demonstrate proper pre-examination preparation and acquisition of pertinent patient medical information. (CCC 1, 3, 4, 5; PGC 2, 3, 4)
4. Demonstrate and perform diagnostic medical sonographic procedures within the plan of care and scope of responsibility. (CCC 1, 2, 3, 4, 5, 6; PGC 1, 2, 3, 4)
5. Perform with competency sonographic examinations of the abdomen, superficial structures, and the gravid and non-gravid pelvis using real-time ultrasound equipment. (CCC 1, 2, 3, 4, 5, 6; PGC 1, 2, 3, 4)

See Core Curriculum Competencies and Program Graduate Competencies at the end of the syllabus. CCPOs are linked to every competency they develop.

**Measurable Performance Objectives (MPOs):**

Upon completion of this course, the student will:

1. Integrate didactic and laboratory principles in the clinical setting.
  1. Perform sonographic procedures under direct and indirect supervision of staff sonographers.
  2. Apply college, program, and clinical affiliates' policies, including maintaining attendance record and clinical log record.
  3. Demonstrate professional behaviors in all matters relating to patient, family, and other healthcare members.
  4. Adhere to professional standards and abide by guidelines as outlined by the Society of Diagnostic Medical Sonography (SDMS).
2. Operate with proficiency the ultrasound instrumentation and other equipment necessary for sonographic procedures.
  1. Explain the function of the basic generic instrumentation controls on a duplex ultrasound system and other equipment necessary for sonographic procedures.
  2. Select the appropriate transducer according to the procedure requested and patient body habitus.
  3. Demonstrate the correct usage of the controls for optimal two-dimensional (2D), color, and Doppler imaging.
  4. Modify the controls to enhance the image quality.
  5. Explain the system components for documentation of the ultrasound study.
3. Demonstrate proper pre-examination preparation and acquisition of pertinent patient medical information.
  1. Explain and perform pre-examination preparation by selecting correct instrumentation, obtaining optimum machine setting, obtaining patient history and identifying clinical signs and symptoms, using proper patient positioning, and safely assisting the patient for the procedure.
  2. Properly prepare and maintain the patient area within the clinical site.
4. Demonstrate and perform diagnostic medical sonographic procedures within the plan of care and scope of responsibility.
  1. Select pertinent information from medical chart and patient report for documentation.
  2. Document significant clinical information and historical facts from the patient and the medical records that may impact the diagnostic information.
  3. Explain exam protocols and criteria necessary for interpreting diagnostic medical sonographic study.
  4. Describe problem states, and clearly explain known solutions.
5. Perform with competency sonographic examinations of the abdomen, superficial structures, and the gravid and non-gravid pelvis using real-time ultrasound equipment.
  1. Select appropriate transducer and instrument settings appropriate to the requested part and body habitus.
  2. Perform required competency to include sonographic examinations of the abdomen, superficial structures, and the gravid and non-gravid pelvis.
  3. Document properly annotated diagnostic images of the pertinent normal and abnormal anatomy in all the appropriate scan planes of the abdomen and superficial structures, including pancreas, liver, gall bladder/biliary system, spleen, great vessels, kidneys/urinary tract, thyroid, and breasts.
  4. Document properly annotated diagnostic images and measurements of the pertinent normal and abnormal anatomy in all the appropriate scan planes of the gravid and non-gravid pelvis, including transabdominal and transvaginal scanning of uterus, ovaries, adnexal structures, and first, second/third trimester pregnancies.
  5. Document observation and/or participation of scrotum/testicles and prostate as well as invasive procedures such as aspirations and biopsies.

**Evaluation Criteria/Policies:**

The grade will be determined using the Delaware Tech grading system:

90	-	100	=	A
80	-	89	=	B
70	-	79	=	C
0	-	69	=	F

Students should refer to the [Student Handbook - https://www.dtcc.edu/handbook](https://www.dtcc.edu/handbook) for information on the Academic Standing Policy, the Academic Integrity Policy, Student Rights and Responsibilities, and other policies relevant to their academic progress.

**Core Curriculum Competencies (CCCs are the competencies every graduate will develop):**

1. Apply clear and effective communication skills.
2. Use critical thinking to solve problems.
3. Collaborate to achieve a common goal.
4. Demonstrate professional and ethical conduct.
5. Use information literacy for effective vocational and/or academic research.
6. Apply quantitative reasoning and/or scientific inquiry to solve practical problems.

**Program Graduate Competencies (PGCs are the competencies every graduate will develop specific to his or her major):**

1. Graduates will demonstrate clinical competence by performing a full range of diagnostic medical sonography procedures on all patient populations pertaining to their learning concentration.
2. Graduates will professionally utilize verbal, nonverbal, and written communication skills in patient care, procedure intervention, and professional relationships.
3. Graduates will demonstrate professional growth and development by acting in a professional and ethical manner and comply with the professional scope of practice.
4. Graduates will integrate critical thinking and problem solving skills as expected of a healthcare professional.

**Disabilities Support Statement:**

The College is committed to providing reasonable accommodations for students with disabilities. Students are encouraged to schedule an appointment with the campus Disabilities Support Counselor to request an accommodation needed due to a disability. A listing of campus Disabilities Support Counselors and contact information can be found at the [disabilities services - https://www.dtcc.edu/disabilitysupport](https://www.dtcc.edu/disabilitysupport) web page or visit the campus Advising Center.