



Course Number and Title: DMS 104 Intro to Clinical Internship

Campus Location:

Georgetown

Effective Date:

2018-51

Prerequisite:

MAT 153, BIO 120, PHY 111, ENG 101, SSC 100 or concurrent

Co-Requisites:

none

Course Credits and Hours:

1.00 credits

0.00 lecture hours/week

7.00 lab hours/week

Course Description:

This course is an introductory clinical course that provides orientation experiences in the clinical setting for application of didactic principles.

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 Student Handbook

Trajecsys Registration

Separate Instructor Handouts

Schedule Type:

Classroom Course

Disclaimer:

None

Core Course Performance Objectives (CCPOs):

1. Apply basic didactic and lab principles in the clinical setting. (CCC 1, 2, 3, 4, 5, 6; PGC 1, 2, 3, 4)
2. Comply with College and clinical affiliate department policies and procedures. (CCC 1, 2, 3, 4; PGC 2, 4)
3. Demonstrate professional behaviors in all matters relating to the patient, family, and other healthcare members. (CCC 3, 4; PGC 3)
4. Identify and discuss ultrasound instrumentation and other equipment necessary for sonographic procedures. (CCC 1, 2, 5, 6; PGC 1, 2, 4)
5. Describe proper pre-examination preparation and acquisition of pertinent patient medical information. (CCC 1, 2, 5; PGC 2, 4)
6. List sonographic examination protocols and required images related to the field of study. (CCC 1, 2, 5, 6; PGC 1, 2, 3, 4)
7. Initiate and participate in 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)

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. Apply basic didactic and lab principles in the clinical setting.
 1. Apply techniques and skills for performing basic 2D sonography and physiological tests in the clinical setting.
2. Comply with College and clinical affiliate department policies and procedures.
 1. Discuss and comply with college policies including Diagnostic Medical Sonography program policies.
 2. Comply with clinical affiliate department policies and procedures.
 3. Maintain student clinical records.
3. Demonstrate professional behaviors in all matters relating to patient, family, and other healthcare members.
 1. Practice appropriate interaction skills with physicians, staff, patient, family, and other healthcare members in the clinical setting.
 2. Demonstrate professional behavior including appropriate attire.
 3. Define and maintain confidentiality in verbal and written communication.
4. Identify and discuss ultrasound instrumentation and other equipment necessary for sonographic procedures.
 1. List sonographic instruments used at the clinical affiliate.
 2. Identify and describe the function of the basic, generic instrumentation controls on a duplex ultrasound system, and other equipment necessary for sonographic procedures.
 3. Discuss the appropriate transducer according to the procedure requested and patient body habitus.
 4. Describe the correct usage of the controls for optimal study results and image quality.
 5. Describe the system components for documentation of the ultrasound study.
5. Describe proper pre-examination preparation and acquisition of pertinent patient medical information.
 1. Describe and practice pre-examination preparation by
 1. Identifying correct instrumentation.
 2. Practicing optimum machine setting.
 3. Accessing patient history and identifying clinical signs and symptoms.
 4. Describing proper patient positioning and safely assisting the patient for the procedure.
 2. Properly arrange and maintain the patient area within the clinical site.
6. List sonographic examination protocols and required images related to the field of study.
 1. List protocol and required images of an observed examination.
7. Initiate and participate in diagnostic medical sonographic procedures within the plan of care and scope of responsibility.
 1. Practice selecting pertinent information from a medical chart and a patient report for documentation.
 2. Assess significant clinical information and historical facts from the patient and the medical records that may impact the diagnostic information.
 3. Describe exam protocols and criteria necessary for interpreting sonographic studies.

Evaluation Criteria/Policies:

Students must demonstrate proficiency on all CCPOs at a minimal 75 percent level to successfully complete the course. The grade will be determined using the Delaware Tech grading system:

92	-	100	=	A
83	-	91	=	B
75	-	82	=	C
0	-	74	=	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. Perform competently a full range of diagnostic medical sonographic procedures pertaining to their learning concentration.
2. Utilize professional verbal, nonverbal, and written communication skills in patient care, procedure intervention, and professional relationships.
3. Act in a professional and ethical manner and comply with professional scope of practice.
4. 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.