Coleman College for Health Sciences
Diagnostic Medical Sonography
Course Syllabus

DMSO 2253 – Sonography of Superficial Structures
CRN 12913, 12917 and 12918 – Summer 2017
Coleman Campus – Lecture Room 577 Lab Room 556
Lecture: Friday 8:00 am to 9:30 am
Lab: Wednesday 1:00 to 3:50, Thursday 8:00 am to 10:50 and 1:00 pm to 3:50 pm
1 lecture/ 2 lab/ 48 hours per semester
11 weeks/ Face - to - Face Instruction

Instructor: Lucy Quinn, B.A. Ed., RDMS

Instructor Contact Information: 713-718-7343 lucy.quinn@hccs.edu

Office location and hours: *Room 528 Friday 12:00 pm to 4:00 pm*
Please feel free to contact me concerning any problems that you are experiencing in this course. You do not need to wait until you have received a poor grade before asking for my assistance. *Your performance in my class is very important to me. I am available to hear your concerns and just to discuss course topics. Feel free to come by my office anytime during these hours*.

Course Description
DMSO 2253 is a detailed study of normal and pathological superficial structures as related to scanning techniques, patient history and laboratory data, transducer selection and scanning protocols.

Prerequisites
DMSO 2405

Course Goal
Educate our students in a detailed study of normal and pathological superficial structures as related to scanning techniques, patient history and laboratory data, transducer selection and scanning protocols.

Student Learning Outcomes
The student will be able to:
1. Identify sonographic appearance of normal and abnormal superficial structures.

2. Identify appropriate scanning technique using standard protocol guidelines.
3. Evaluate patient history and laboratory data as it relates to sonography.

Learning Objectives
Students will:
1.1 Identify sonographic appearance of normal and abnormal superficial structures.
Describe the methods of identifying and labeling scrotal anatomy and masses.
1.2 Identify appropriate scanning technique using standard protocol guidelines
Recognize the correct technique for imaging the breast using ultrasound.
1.3 Evaluate patient history and laboratory data as it relates to ultrasound.
Be familiar with laboratory tests specific to the thyroid and what the results may indicate**.**

SCANS or Core Curriculum Statement and Other Standards
Credit: 3 (1 lecture, 2 Lab)
Identify sonographic appearance of normal and abnormal superficial structures.
Foundation Skills - Thinking -Seeing Things in the Mind's Eye
Identify appropriate scanning technique using standard protocol guidelines
Foundation Skills - Basic -Reading
Evaluate patient history and laboratory data as it relates to ultrasound.
Foundation Skills - Basic -Listening

11 WEEK CALENDAR

WEEK ONE

Syllabus and Calendar Review

WEEK TWO

Lecture: Chapter 20 Carotid Sonography
Lab: Carotid Scanning

WEEK THREE

Lecture: Carotid Power Point Pathology quiz and Upper Extremity Venous
Lab: Carotid scanning

WEEK FOUR

Lecture: Upper Extremity Venous Doppler Scanning
Lab: Carotid Scanning

WEEK FIVE

Lecture: **No class**
Lab: **Midterm Practicum Exam – Carotid Doppler 45 minutes**
Upper Extremity Images due

WEEK SIX

Lecture: Chapter 17 Breast and Breast Power Point Pathology Quiz
Lab: Breast Scanning

WEEK SEVEN

Lecture: No Class
Lab: Open lab

WEEK EIGHT

Lecture: Chapter 16 Thyroid scanning and Thyroid Power Point Pathology Quiz
Breast Images Due
Lab: Thyroid

WEEK NINE

Lecture: Lower Extremity Venous Doppler and Lower Extremity Venous Doppler power point quiz
Thyroid images due
Lab: Lower Extremity Venous Doppler

WEEK TEN

Lecture: Musculoskeletal video and worksheet and Thyroid images due
Lab: Lower Extremity Venous Doppler

WEEK ELEVEN

Final Practicum Exam – Lower Extremity Venous Doppler 45 minutes

Instructional Methods
DMSO 2253 is a required course in the Sonography Program.
Web-enhanced (49% or less) Face to Face, In Person
As an instructor, I want my students to be successful. I feel that it is my responsibility to provide you with knowledge concerning the field of education, modeling good teaching strategies, and organizing and monitoring the field experience that allows you to connect the information that you learn in this course to the real world of education.

Student Assignments
Assignments have been developed that will enhance your learning. To better understand a topic, you will be given assignments on key information that you will need to remember for your success in your career as an educator. Students will be required to successfully complete the following:

Identify sonographic appearance of normal and abnormal superficial structures.
In class quiz's
Identify appropriate scanning technique using standard protocol guidelines
Practicum tests
Evaluate patient history and laboratory data as it relates to ultrasound.
Case studies

Assessments
Identify and differentiate abnormal superficial structures.
Various assigned readings from textbooks
In-class discussions
Quizzes/Tests which may include: definitions, matching, multiple choice, true/false, short answer, brief essay

Demonstrate appropriate scanning techniques using standard protocol guidelines.
Various assigned readings from textbooks
In-class discussions
Quizzes/Tests which may include: definitions, matching, multiple choice, true/false, short answer, brief essay

Evaluate patient history and laboratory data as it relates to ultrasound.
Various assigned readings from textbooks
In-class discussions
Quizzes/Tests which may include: definitions, matching, multiple choice, true/false, short answer, brief essay

Select appropriate transducer for area of interest.
Various assigned readings from textbooks
In-class discussions

Quizzes/Tests which may include: definitions, matching, multiple choice, true/false, short answer, brief essay

Instructor Requirements

As your Instructor, it is my responsibility to**:**

- Provide the grading scale and detailed grading formula explaining how student grades are to be derived
- Facilitate an effective learning environment through class activities, discussions, and lectures
- Description of any special projects or assignments
- Inform students of policies such as attendance, withdrawal, tardiness and make up
- Provide the course outline and class calendar which will include a description of any special projects or assignments

To be successful in this class, it is the student's responsibility to**:**

- Attend class and participate in class discussions and activities
- Read and comprehend the textbook and Power Point Presentations
- Complete the required assignments and exams
- Ask for help when there is a question or problem
- Keep copies of all paperwork, including this syllabus, handouts and all assignments
- Complete the field study with an 80% passing score
- Any student that answers their cell phone during a quiz, test, or scanning test is automatically given a zero for that exam.
- All assignments will have a specific due date and must be turned in at the beginning of class.
- No late work will be accepted under any condition unless a catastrophic event occurs
- Students are required to read the assignments outlined in the class calendar prior to coming to lecture and laboratory and be able to discuss and answer questions concerning the material during class.
- Quiz and test questions will be taken from the reading material, and lectures.
- If you are caught cheating during an exam or quiz you will be dismissed from the program immediately.
- Each class you will receive a class participation grade. If you are in class, you will receive a 100 for the day. If you are absent you will receive a 0.
- If you miss a quiz or a test you will receive a zero. If you have a doctor's note you can make up the quiz/test only if you communicate with the instructor prior to the class.
- Students are required to bring 3 hand towels and a twin-size bed sheet to use during lab time.
- Equipment in lab must be left in the conditions that were found.
- Lab monitor must refill gel bottles, clean all equipment, empty the trash can at every station, and make sure that equipment is

turned on and off appropriately. Lab monitor needs to inform the faculty when the supplies are low.

- Practical exams are given throughout the semester to assure students can perform protocols for superficial structures.
- Students who are selected randomly as patients in each lab for the exams will be announced the day before the test.
- Students who are selected as patients must cooperate and follow the scanner's instruction.

Program/Discipline Requirements

Students are expected to conduct themselves while in the classroom/lab, in the same professional manner that they are expected to display in the clinic environment. The following policies must be followed. Any exceptions to these policies will be considered a major infraction.

- Students are expected to comply with all program regulations during this course, both in the classroom and the lab.
- Weapons, cell phones, and pagers that sound will not be tolerated.
- Students may not use abusive or foul language.
- Students may not fight, physical or verbally, on college property.
- Students may not steal program or college property.

HCC Grading Scale

A = 100 – 90;……4 points per semester hour
B = 89 – 80: ……3 points per semester hour
C = 79 – 70: ……2 points per semester hour
D = 69 – 60: ……1 point per semester hour
59 and below = F……..0 points per semester hour
IP (In Progress) ……0 points per semester hour
W(Withdrawn)……0 points per semester hour
I (Incomplete)…… 0 points per semester hour
AUD (Audit) …… 0 points per semester hour

IP (In Progress) is given only in certain developmental courses. The student must re-enroll to receive credit. COM (Completed) is given in non-credit and continuing education courses. To compute grade point average (GPA), divide the total grade points by the total number of semester hours attempted. The grades “IP,” “COM” and “I” do not affect GPA.

Grading Criteria

Your instructor will conduct quizzes, exams, and assessments that you can use to determine how successful you are at achieving the course learning outcomes (mastery of course content and skills) outlined in the syllabus. If you find you are not mastering the material and skills, you are encouraged to reflect on how you study and prepare for each class. Your instructor welcomes a dialogue on what you discover and may be able to assist you in finding resources on campus that will improve your performance. Students must earn an overall grade of 80 or higher to pass this course; anything below an 80 is considered a failing grade (F). A grade of C is not given in this course.

A = 100- 90

B = 89 - 80

F = 79 – 0

Health Sciences Programs Grading Scales may differ from the approved HCC Grading Scale. For Health Sciences Programs Grading Scales, see the "Program Discipline Requirements" section of the Program's syllabi.

Scan Assignment's	20%
Classroom Quiz's	30%
Classroom/lab participation	10%
Scanning Midterm	20%
Scanning Final	20%

Instructional Materials

TEXT**:** Betty Bates Tempkin, Third edition

HCC Policy Statements

ATTENDANCE

Research has shown that the single most important factor in student success is attendance! Therefore, attendance and punctuality are mandatory. HCCS policy states that students absent from this course for more than 12.5% of the total hours of instruction will be administratively dropped. This class has 48 contact hours. A student may be dropped after 6 hours of absence from lab and lecture combined.
Any student is absent from the class for more than 25% on one class session will be counted absent for the day. (30 minutes for lecture and 90 minutes for lab)

Poor attendance records tend to correlate with poor grades. If you miss any class, you are responsible for all material missed. It is good idea to find a friend or a buddy in class who would be willing to share class notes or discussion or be able to hand in paper if you unavoidable miss a class.

3-PEATERS

The State of Texas encourages students to complete college without having to repeat failed classes. To increase student success, students who repeat the same course more than twice, are required to pay extra tuition. The purpose of this extra tuition fee is to encourage students

to pass their courses and to graduate. Effective fall 2006, HCC has been charging a higher tuition rate to students registering the third or subsequent time for a course. If you are considering course withdrawal because you are not earning passing grades, confer with your instructor/counselor as early as possible about your study habits, reading and writing homework, test taking skills, attendance, course participation, and opportunities for tutoring or other assistance that might be available.

WITHDRAWAL
If you feel that you cannot complete this course, you will need to withdraw from the course prior to the final dare of withdrawal. Before you withdraw from your course, please take time to meet with the instructor to discuss why you feel it is necessary to do so. The instructor may be able to provide you with suggestions that would enable you to complete the course. Your success is very important. Beginning in fall 2007, the Texas Legislature passed a law limiting first time entering freshmen to no more than SIX total course withdrawals throughout their educational career in obtaining a certificate and/or degree.

COUNSELING AND GUIDANCE
HCCS maintains a staff of professional counselors to assist students. Specific counseling and guidance services are detailed in the HCCS Student Handbook. The Sonography program students may visit the counseling department on the first floor of the Coleman College for Health Sciences.

ADA INFORMATION
Any student with a documented disability (e.g. physical, learning, psychiatric, vision, hearing, etc.) who needs to arrange reasonable accommodations must contact the Disability Services Office at the respective college at the beginning of each semester. Faculties are authorized to provide only the accommodations requested by the Disability Support Services Office. If you have any questions, please contact the disability counselor, Hope Pamplin, at 713-718-7082.

Early Alert
To help students avoid having to drop//withdraw from any class, HCC has instituted an Early Alert process by which your professor may "alert" you and HCC counselors that you might fail a class because of excessive absences and/or poor academic performance. It is your responsibility to visit with your professor or a counselor to learn about what, if any, HCC interventions might be available to assist you- online tutoring, child care, financial aid, job placement, etc. – to stay in class and improve your academic performance.

Peer tutoring may be available. Contact the program office for further information.
Access Student Services Policies on their Web site: http://hccs.edu/student-rights

EGLS3 -- Evaluation for Greater Learning Student Survey System
At Houston Community College, professors believe that thoughtful student feedback is necessary to improve teaching and learning. During a designated time near the end of the term, you will be asked to answer a short online survey of research-based questions related to instruction. The anonymous results of the survey will be made available to your professors and department chairs for continual improvement of instruction. Look for the survey as part of the Houston Community College Student System online near the end of the term.

Distance Education and/or Continuing Education Policies

Access DE Policies on their Web site:

http://de.hccs.edu/Distance_Ed/DE_Home/faculty_resources/PDFs/DE_Syllabus.pd

Access CE Policies on their Web site:

http://hccs.edu/CE-student-guidelines