



**Diagnostic Medical Sonography
Course Syllabus
Introduction to Sonography
DMSO 1210
Fall 2012**

Semester with Course Reference Number (CRN)	Fall 2012 RT 27822
Instructor contact information (phone number and email address)	Lucy Quinn 713-718-7343 Lucy.quinn@hccs.edu
Office Location and Hours	528 Monday 11:00 am to 3:00 pm
Course Location/Times	Coleman College Room 367 Monday 8:00 am to 11:00 am
Course Semester Credit Hours (SCH) (lecture, lab) If applicable	Credit Hours: 2 Lecture Hours: 1 Laboratory Hours: 2 External Hours:
Total Course Contact Hours	48.00
Course Length (number of weeks)	16 weeks
Type of Instruction	Lecture/Lab
Course Description:	An introduction to the profession of sonography and the role of the sonographer. Emphasis on medical terminology, ethical/legal aspects, written and verbal communication, and professional issues relating to registry, accreditation, professional organizations and history of the profession.
Course Prerequisite(s)	PREREQUISITE(S):

- Admission to Program.

FREQUENT REQUISITES

- Departmental approval
- Admission to the Program
- College Level Reading
- College Level Mathematics
- College Level Writing

Academic Discipline/CTE Program Learning Outcomes

1. Identify sonographic patterns and/or Doppler patterns to rule out disease processes and pathologies.
2. Provide basic patient care and practices in general diagnostic medical sonography.
3. Employ professional judgments and ethics.
4. Apply the principles of acoustic physics and Doppler concepts on an ultrasound machine.
5. Recognize sonographic appearance of normal and abnormal anatomical structures.

Course Student Learning Outcomes (SLO): 4 to 7

1. Describe the historical development of ultrasound.
2. List professional organizations associated with diagnostic medical sonography.
3. Identify registry and lab accreditation requirements and process.
4. Discuss clinical practice guidelines for sonographers.
5. Explain medical, legal, and ethical aspects of the profession of diagnostic medical sonography.

Learning Objectives (Numbering system should be linked to SLO - e.g., 1.1, 1.2, 1.3, etc.)

At the conclusion of the course, students will:

- 1.1 List the developmental history of diagnostic ultrasound.
 - 1.2 Identify the principle innovators who developed the technology of ultrasound and link their names to their accomplishments.
 - 2.1 Name the benefits of membership in a professional organization.
 - 2.2 Define and contrast between accreditation, certification and registration.
 - 3.1 Describe the three separate certification programs available through the American Registry of Radiologic Technologists.
 - 3.2 List the requirements to sit for their registry.
- At the conclusion of this course the student will be able to demonstrate the transition from a classroom setting to a clinical setting.
- 4.1 Demonstrate the transition from a classroom setting to a clinical setting.
 - 4.2 Identify competencies frequently assessed in clinical education
 - 5.1 Recognize the sonographer's role in medical law and the reproductions of failing to protect the needs of patients.
 - 5.2 Compare and contrast how different cultural backgrounds can affect a sonographer's decision making.

SCANS and/or Core

SCANS

Curriculum Competencies: If applicable	<p>Describe the historical development of ultrasound. List professional organizations associated with diagnostic medical sonography. Foundation Skills - Thinking -Reasoning</p> <p>Identify registry and lab accreditation requirements and process. Discuss clinical practice guidelines for sonographers. Foundation Skills - Thinking -Knowing How to Learn</p> <p>Explain medical, legal, and ethical aspects of the profession of diagnostic medical sonography. Foundation Skills - Basic -Writing</p>
Instructional Methods	<p>Web-enhanced (49% or less) Face to Face In Person</p>
Student Assignments	<p>Describe the historical development of ultrasound. Discussions Homework Exercises Readings</p> <p>List professional organizations associated with diagnostic medical sonography. Discussions Homework Exercises Readings</p> <p>Identify registry and lab accreditation requirements and process. Discussions Homework Exercises Readings</p> <p>Discuss clinical practice guidelines for sonographers. Discussions Lab Exercises Homework Exercises Readings</p> <p>Explain medical, legal, and ethical aspects of the profession of diagnostic medical sonography. Discussions Homework Exercises Readings</p>
Student Assessment(s)	<p>Describe the historical development of ultrasound. Various assigned readings from textbooks In-class discussions Quizzes/Tests which may include: definitions, matching, multiple choice, true/false, short answer, brief essay</p> <p>List professional organizations associated with diagnostic medical sonography. Various assigned readings from textbooks In-class discussions Quizzes/Tests which may include: definitions, matching, multiple choice, true/false, short answer, brief essay</p> <p>Identify registry and lab accreditation requirements and process. Various assigned readings from textbooks In-class discussions Quizzes/Tests which may include: definitions, matching, multiple choice, true/false, short answer, brief essay</p>

Discuss clinical practice guidelines for sonographers.

Various assigned readings from textbooks

In-class discussions

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

Competency skill check-offs.

Explain medical, legal, and ethical aspects of the profession of diagnostic medical sonography.

Various assigned readings from textbooks

In-class discussions

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

Instructor's Requirements

In the Classroom:

- 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.
- Assignments may be given by the instructor for writing activities to be carried out either in the classroom or outside the classroom setting.
- All assignments will have a specific due date and must be turned in at the beginning of class. Assignment will be accepted after that time.
- If there is a documented catastrophic event, an extension may be granted. Under no circumstances will the extension be granted for more than one (1) class day following the student's return to class.
- Examination questions will be taken from the reading material, lectures, handouts and audiovisual presentations.
- Students may not leave the classroom once the exam started.
- While taking tests/exam, there will be no talking or cheating.
- All phones must be silenced when entering the classroom and turned off during quizzes and tests.
- If you have an emergency and your phone needs to be left on during a quiz or exam, you may leave your phone with me.
- If your phone rings during a quiz or an exam 10 points will be taken from your grade. If you answer the phone 20 points will be taken from your grade
- It is the responsibility of the student to get any handouts, material, or course supplements that were handed out/posted to the Internet during his/her absence.

Program/Discipline Requirements: If applicable

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
	FX (Failure due to non-attendance)	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.

FINAL GRADE OF FX: Students who stop attending class and do not withdraw themselves prior to the withdrawal deadline may either be dropped by their professor for excessive absences or be assigned the final grade of "FX" at the end of the semester. Students who stop attending classes will receive a grade of "FX", compared to an earned grade of "F" which is due to poor performance. Logging into a DE course without active participation is seen as non-attending. Please note that HCC will not disperse financial aid funding for students who have never attended class.

Students who receive financial aid but fail to attend class will be reported to the Department of Education and may have to pay back their aid. A grade of "FX" is treated exactly the same as a grade of "F" in terms of GPA, probation, suspension, and satisfactory academic progress.

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.

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.

Instructor Grading Criteria	Quizzes'	20%
	Assignments	30%
	Midterm	30%
	Final	30%
	A – Excellent	90%-100%
	B – Above average	80%-89%
	C – Average	75%-79%
	F – Failure	0%-75%

This grading scale will be used, not the HCC grading scale.

Instructional Materials Essentials of Sonography and Patient Care Second edition Marveen Craig

HCC Policy Statement:

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 512 contact hours. A student may be dropped after 64 hours of absence.

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 date 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.

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.

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 in room 144 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 at your college at 713-718-6164 or 713-718-7685.

EARLY ALERT

HCC has instituted an Early Alert process by which your professor will “alert” you through counselors of concerns that you might fail a class because of excessive absences and/or poor 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.pdf

Access CE Policies on their Web site:

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