



HOUSTON COMMUNITY COLLEGE

**Coleman College for Health Sciences
Diagnostic Medical Sonography Program
Course Syllabus**

DMSO 2342 Sonography of High Risk Obstetrics

CRN 56199 - Summer 2015

Coleman Campus – Lecture Room 556

Monday: 10:00 am to 1:00 pm

3 Lecture/ 0 lab/ 48 Contact Hours

Hybrid Course

**Instructor contact
information (phone
number and email
address)**

Lucy Quinn, RDMS
713-718-7343
lucy.quinn@hccs.edu

**Office Location and
Hours**

Lucy Quinn
Room 528
Monday 1:00 am to 4:00 pm

Type of Instruction

Hybrid (50% in-person, 50% in face-to-face)

Course Description:

Maternal disease and fetal abnormalities. Includes scanning techniques, patient history and laboratory data, transducer selection, and scanning protocols.

**Course
Prerequisite(s)**

PREREQUISITE(S):

- DMSO 2405 with a minimum grade of C or better

FREQUENT REQUISITES

- Departmental approval
- College Level Reading
- College Level Mathematics
- College Level Writing

**Academic
Discipline/CTE
Program Learning
Outcomes**

1. Provide basic patient care and practices in general diagnostic medical sonography, including employ professional judgment, ethics and communication skills.
2. Recognize sonographic appearance and/or Doppler patterns of normal structures, disease processes, and pathologies.
3. Apply acoustic physics and Doppler ultrasound principles to operate the ultrasound machine.

Course Student Learning Outcomes (SLO): 4 to 7

4. Perform sonographic examinations according to protocols.
1. Identify normal and abnormal fetal and maternal structures.
2. Identify pertinent measurement techniques and scanning techniques using standard protocols.
3. Evaluate patient history and laboratory data as it relates to ultrasound.

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

Identify and differentiate normal and abnormal fetal and maternal structures.

- 1.1 Describe the maternal and fetal factors for a pregnancy that is normal
- 1.2 Describe the maternal and fetal factors for a pregnancy that is high risk

Demonstrate pertinent measurement techniques and scanning techniques using standard protocols.

- 2.1 List and describe imaging techniques and sonographic findings for the placenta, umbilical cord, and the amniotic fluid

Evaluate patient history and laboratory data as it relates to ultrasound.

- 3.1 describe the methods of genetic testing, including maternal serum markers, chorionic villus sampling, and amniocentesis

SCANS and/or Core Curriculum Competencies: If applicable

SCANS

Identify and differentiate normal and abnormal fetal and maternal structures.

- Foundation Skills - Basic -Listening
- Foundation Skills - Thinking -Seeing Things in the Mind's Eye

Demonstrate pertinent measurement techniques and scanning techniques using standard protocols.

- Foundation Skills - Basic -Reading

Evaluate patient history and laboratory data as it relates to ultrasound.

- Foundation Skills - Basic -Reading

Instructional Methods

- Hybrid:
- 50 % Web-enhanced
- 50 % Face to Face/In Person

Student Assignments

Identify and differentiate normal and abnormal fetal and maternal structures.

- Discussions
- Homework Exercises
- Readings

Demonstrate pertinent measurement techniques and scanning techniques using standard protocols.

- Discussions
- Homework Exercises
- Readings

Evaluate patient history and laboratory data as it relates to ultrasound.

- Discussions
- Homework Exercises
- Readings

**Student
Assessment(s)**

Identify and differentiate normal and abnormal fetal and maternal 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 pertinent measurement techniques and scanning techniques using standard protocols.

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

**Instructor's
Requirements**

- 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.
- Each student is responsible for any material missed during an absence.
- 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 are more than 30 minutes late, you will receive a zero for the day.
- 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.

**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

GRADE DETERMINATION:

Course Assignments	10 %
Quizzes	20 %
Tests (1,2 &3)	60 %
Class Participation	10%

GRADING SCALE

100-90	A
89-80	B
79-75	C
<74	F

No D's given in this course

**Instructional
Materials**

Hagen-Ansert, S. (2012). Textbook of Diagnostic Ultrasonography, 7th ed.
Missouri: Mosby. ISBN:978-0-323-07301-1

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 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 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.

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 Dr. Patricia Ugwu 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. Go to www.hccs.edu/egls3 for more information.

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](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>

The instructors reserve the right to modify this syllabus at any time.