Houston Community College
COURSE SYLLABUS
FOR

Introduction to Sonography
DMSO 1210

Dates: M- lecture 1: 00 pm-2: pm-Room No.:556 -CRN# 58246
Lab: 2: pm-4: pm

Instructor Information

INSTRUCTOR: William W. Richardson, MPA, RDMS
Office #: 528
Phone #: 713- 718-7343
E-mail: william.richardson@hccs.edu

Course Description

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.

Prerequisites

N/A

Course Goals

Course Student Learning Outcomes

End-of-Course Outcomes: Describe the historical development of ultrasound; list related professional organizations; identify registry and lab accreditation requirements and process; discuss clinical practice guidelines for sonographers; and explain medical, legal, and ethical aspects of the profession.

Learning Objectives

1.1 Describe the historical development of ultrasound
2.1 List related professional organizations
3.1 Identify registry and lab accreditation requirements and process
4.1 Discuss clinical practice guidelines for sonographers
5.1 Explain medical, legal, and ethical aspects of the profession
SCANS or Core Curriculum Statement

**SCANS**: A study was conducted for the Department of Labor by the American Society for Training and Development which identified seven skills U.S. employers want most in entry level employees. These skills are motivation to learn basic skills, communication, teamwork, critical thinking, career development and leadership. This course includes the following:

**Basic Skills-** **Writing**: Communicates thoughts, ideas, information, and messages in writing; composes and creates documents such as report (F2)
This writing skill is demonstrated by submissions of Unit summaries on Blackboard. These summaries are graded and recorded by use of the Blackboard program for measuring student outcomes.

**Thinking Skills-** **Knowing how to learn**: Recognizes and can use learning techniques to apply and adapt new knowledge and skills in both familiar and changing situations and is aware of learning tools such as personal learning styles (visual). (F11)
The reading assignments in this course introduce the students to methods of learning, testing and listening. Unit 3 consists of learning dynamics, testing, educational curricula, and programs of study. Classroom activities are use to gauge the application of these skills.

**Reasoning**: Discovers a rule or principle underlying the relationship between two or more objects and applies it in solving a problem (F12) Unit two of this course introduces the students to the role of the sonographer, aptitudes, abilities, and skills, which are considered desirable attributes of a sonographer. The standards and guidelines, which are applied in this profession, are provided through resource organizations associated with the sonographic community in which the student is also introduced to in their reading assignments. Comprehensive test is given as a measuring instrument.

Course Calendar

**-DMSO 1210**   **Fall-2010**

**Introduction-To-Sonography**

<table>
<thead>
<tr>
<th>Dates</th>
<th>Subject</th>
<th>Exam, Lab</th>
<th>Terms</th>
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</thead>
<tbody>
<tr>
<td>08/30</td>
<td>Chapter 1 The Origins and Evolution of Diagnostic Medical Sonography</td>
<td>Study-terms (A)</td>
<td></td>
</tr>
<tr>
<td>09/13</td>
<td>Chapter 1</td>
<td>Terms Test 1(A terms)</td>
<td>Study-terms (B, C, D)</td>
</tr>
<tr>
<td>09/20</td>
<td>Chapter 2 Sonographer Development:</td>
<td>Terms Test 2 (B, C, D)</td>
<td>Physical-Therapy Depart Catherine Hatfield 87388 Study-terms (E, F, G.)</td>
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<tr>
<td>09/22</td>
<td>Chapter 2</td>
<td>Terms Test 3(E, F, G)</td>
<td>Study-terms (H, I, J, K)</td>
</tr>
<tr>
<td>10/04</td>
<td>Chapter 3</td>
<td>Terms Test 4(H, I, J, K)</td>
<td>Study-terms (L, M, N)</td>
</tr>
</tbody>
</table>
The Sonographer as a Student (Sterile Techniques) Surgical Tech. Depart. Michelle Muhammad 87363

10/11 Chapter 4 Terms Test 5(L, M, N) Donna Westmoreland 87381 (Oxygen Therapy Lab) Study-terms (O, P, Q)

Sonographer Safety Issues

10/18 Chapter 5 Terms Test 6(O, P, Q) Study-terms (R, S, T)

10/25 Chapter 6 Terms Test 7(R, S, T) Deborah Johnson (Nursing Practices) LVN Depart. 87332

Communications

11/01 Basic Medical Techniques Terms Test 8 (U, V, Z) Betty Brown- Rm.371


11/15 Chapter 8 Medico-Legal Aspects Pre Final Exam

11/22 Chapter 9 Ethics & Professionalism Clinical Affiliate

11/29 Chapter 10 Sound Futures Clinical Affiliate

12/06 Chapter 11 Professional Development & Leadership

12/13 Final Exam (Comprehensive)

Note: Changes are made at the discretion of the Instructor

Instructional Methods

Student Assignments:

Instructional Materials

TEXTBOOK

RELATED MATERIALS
Mosby’s Medical, Nursing, & Allied Health Dictionary Blackboard Vista (Computer)

HCC Policy Statement: ADA
ADA Considerations: 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. Faculty are authorized to provide only accommodations requested by the Disability Support Services Office. Qualifying individuals under the Americans with Disabilities Act (ADA) guidelines who require reasonable accommodations should report to the ADA counselor. John B. Coleman College of Health Sciences, 1900 Pressler: Dr. Raj Gupta: 713-7187631

HCC Policy Statement: Academic Honesty
WHILE TAKING TESTS/EXAMS; THERE WILL BE POSITIVELY NO TALKING OR CHEATING. FAILURE TO OBSERVE THIS POLICY WILL RESULT IN DISMISSAL FROM THE CLASS IMMEDIATELY.

HCC Policy Statement: Student Attendance, 3-Peaters, Withdrawal deadline

Attendance
Attendance will be checked regularly by instructor. Students who are late are responsible for contacting their instructor at the end of class to prevent being marked absent. Students absent for more than 2 class periods will be administratively withdrawn from the class without notification.
It is the responsibility of the student to obtain information during their absence.

HCC Student Services Information

Early Alert Syllabus Statement
The Houston Community College Early Alert program has been established to assist in the overall effort to retain students who are at risk of failing, or dropping a course. This process requires instructional faculty and student support staff to identify students who are performing poorly as early as possible and provide relevant support services to help students overcome their deficiencies. A student is identified when an instructor notices academic or personal difficulties that affect student’s academic performance. The possible problem(s) could be tardiness, missed/failed test scores, excessive absences, or a number of other circumstances. Once a referral is made counselors will then contact students to discuss the issues and possible solutions to their academic difficulties.

Instructor requirements

EXAMINATION POLICY
All exams will have time periods designated. All test papers will be turned in by the end of that time period. (If the class is given 30 minutes for an exam/quiz and you arrive 15 minutes late you will have 15 minutes to complete the assignment.)
There will be no make-up work accepted.
Students absent at the time of a quiz or exam will have no make-up examination. This also includes the student who comes to class late. Students will not be allowed to take exams/ quizzes at a later time during the class.
EXAMS:
Any student absent from the classroom for a midterm examination will have the percent value of that exam added to the percent value of the Final Exam.

**FINAL EXAMINATION POLICY:**
Final examinations must be taken on the day and time designated by the instructor unless there is a personal illness, accident or death in the immediate family (parent, child, brother, sister, spouse or grandparent). In the event any of these occurrences, the student must call and speak personally with the instructor or department head on the day of the examination.
The student must provide documented evidence of the reason for missing the examination; acceptable documentation is as follows: a doctor's statement in case of personal illness, an accident report in the case of an accident, an obituary or funeral program in the case of death in the immediate family. Documentation must be provided prior to taking a make-up final examination. The make-up final must be taken within 7 working days from the original test date or at the instructor’s discretion. In the case of severe injury or illness the student will be given an "I" (incomplete) until the final examination is taken. Student must have completed all course requirements except the final examination to receive an "I". An "I" will automatically turn into an "F" if the student does not take the examination by the end of the following term (excluding summer). A student may not register for the next semester's sonography courses if they have an incomplete in any of their sonography courses.
If the student does not make notification of the involved instructor on the day of a missed final examination, they will be given a zero for the final examination grade. If documented evidence is not provided, the student will receive a 0 for their final exam grade and the course's final grade will be calculated as described in the individual course syllabi. Reading assignments should be completed prior to class. Homework is due at the beginning of the class period (submitted on Blackboard Vista). Quizzes are given at the discretion of the Instructor. Quizzes may cover reading assignments, lecture material, class discussions and any audiovisual material presented.
GRADE DISTRIBUTION
Terminology Test ...................................................................................................................................... 25%
Pre Final ...................................................................................................................................... 25%
Final Exam ...................................................................................................................................... 25%
Skills Lab ...................................................................................................................................... 25%

Letter Grades are assigned as follow:

A = 90-100        Excellent
B = 89-80         Good
C = 79-70         Fair
F = below 70      Failed

NO GRADE OF A, B, C shall be obtained if all the required assignments have not been completed.