HOUSTON COMMUNITY COLLEGE SYSTEM
Coleman College for Health Sciences
COURSE SYLLABUS

DMSO 2405 Sonography II
Sonography of Obstetrics / Gynecology

Day: F; Time: 8-12 lab: 12-1pm Room No.556 CRN#71792

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

COURSE DESCRIPTION
Detailed study of the pelvis and obstetrics/gynecology as related to scanning techniques, patient history and laboratory data, transducer selection, and scanning protocols

End-of-Course Outcomes: Identify the sonographic appearances of normal and abnormal female pelvis; identify normal and abnormal obstetrical findings; demonstrate appropriate scanning techniques using standard protocols; evaluate patient history and laboratory data as it relates to ultrasound; and select appropriate transducer for area of interest.

Prerequisite: DMSO 1355, and 1451

TEXTBOOK:
Sonography: Introduction to Normal Structure and Function, 2nd ed. Curry & Tempkin

RELATED MATERIALS
Ultrasound Review of Obstetrics and Gynecology, Hickey & Goldberg
MEDICAL DICTIONARY

GRADE DISTRIBUTION

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Exams</td>
<td>20%</td>
</tr>
<tr>
<td>Oral Presentation</td>
<td>10%</td>
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<tr>
<td>Annotated Journal Articles</td>
<td>20%</td>
</tr>
<tr>
<td>Mid-Term</td>
<td>25%</td>
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<tr>
<td>FINAL EXAM</td>
<td>25%</td>
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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.
WHILE TAKING TEST/EXAMS, THERE WILL BE POSITIVELY NO TALKING OR CHEATING.
FAILURE TO OBSERVE THIS POLICY WILL RESULT IN DISMISSAL FROM THE CLASS
IMMEDIATELY.

GRADE CALCULATION

Grades will be calculated to tenths place. Hundredths, thousandths etc will be dropped. Grades of 0.5 and above
will be rounded up to the next whole number below 0.5 will be rounded down. {i.e.: 83.5 will be rounded up to 84,
83.4 will be rounded down to 83}

EXAMINATION POLICY

All exams will have time periods designated. (If the class is given 30 minutes for an exam/quiz and you arrive 15
minutes late you will have 15 minutes to do the assignment) There will be no make-up exams. Missed exams will
be given a grade of zero. Exams will be given at the instructor’s discretion.
Students absent for an exam (other than final exam) will have no make-up exam.

Final examination is comprehensive and must be taken on the date and time listed in the syllabus.

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 occur 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. This 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/department head on the day of a missed final
examination they will be given a zero for the final examination grade. If documented evidence is not provide a
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.

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

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.
**ATTENDANCE**
Attendance will be checked regularly by the instructor. It is the responsibility of the student to obtain information dispersed during their absence. Students who miss more than 2 class periods will be withdrawn from the course without notification.

**COURSE REQUIREMENTS:** Reading assignments should be completed prior to scheduled class time.

**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:**

**Speaking:** Speaks clearly and communicates a message; understands and responds to listener feedback; and ask questions when needed *(F6)* Students are given an oral presentation relative to a journal article in which each student will analyze and present components of the analysis each week orally. By semester's end each student would have given a full oral presentation graded by the instructor in compliance with a prepared criteria format for grading. After the presentation a question and answering period is provided.

**Interpersonal:**

**Exercises Leadership:** Establishing credibility through competence and integrity; and taking minority viewpoints into consideration *(C12)* Students are encouraged to develop tutorials for one another. Study groups are developed along with group assignments for journal articles. Semester oral presentation is given individually with a Q&A session also directed by the presenter. Grades are given through a scoring system by instructor based criterion.

**Works with Cultural Diversity:** Understanding concerns of members of other ethnic and gender groups *(C14)* the student has to consider cultural diversity in the administering of medical assistance to patients in the facilities that are articulated with the program. Procedures are identified in the reading assignments that may or may not have an affect on individuals whose cultural background or beliefs may prohibit performance of certain procedures. Par-test questions and Turning-Point questions are use as a means of measuring the students understanding.
## Sonography II 2405 (ANATOMY II) Spring Schedule

<table>
<thead>
<tr>
<th>DATE</th>
<th>TOPIC</th>
<th>ASSIGNMENT</th>
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<tbody>
<tr>
<td>1/21/11</td>
<td>First Trimester OB /Normal</td>
<td>Chapter: 43</td>
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<tr>
<td>1/28/11</td>
<td>First Trimester OB/ Abnormal</td>
<td>Chapter: 44</td>
</tr>
<tr>
<td>2/04/11</td>
<td><strong>Guidelines to Obstetrical</strong>...</td>
<td>Chapter: 12</td>
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<tr>
<td>2/11/11</td>
<td>Congenital Abnormalities</td>
<td>Chapter: 49</td>
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<tr>
<td>2/18/11</td>
<td></td>
<td><strong>Exam 1</strong></td>
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<tr>
<td>2/25/11</td>
<td>Second &amp; Third Trimester OB</td>
<td>Chapter 45</td>
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<tr>
<td>3/04/11</td>
<td>Second &amp;… Continued</td>
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<tr>
<td>3/11/11</td>
<td></td>
<td>Mid-Term Exam</td>
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<tr>
<td>3/14/11 - 3/20/11</td>
<td>SPRING BREAK</td>
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<tr>
<td>3/25/11</td>
<td>Placenta &amp; Abnormal Findings</td>
<td>Chapter 51</td>
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<tr>
<td>4/01/11</td>
<td>High Risk OB</td>
<td>Chapter 48</td>
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<tr>
<td>4/08/11</td>
<td>High Risk continued</td>
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<tr>
<td>4/15/11</td>
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<td><strong>Exam 2</strong></td>
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<tr>
<td>4/22/11</td>
<td><strong>Spring Holiday</strong></td>
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<tr>
<td>4/29/11</td>
<td><strong>Review</strong></td>
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<tr>
<td>5/6 /11</td>
<td><strong>Review</strong></td>
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<tr>
<td>5/13/11</td>
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<td><strong>Final Exam</strong></td>
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Note: schedule may be amended at the instructor’s discretion
Journal Assignments / Oral Presentations

1. Subject Title: Sonographic Evaluation of Interstitial (Cornual) Ectopic Pregnancy: Chelsey N. Wright, BS-MIRS
   Assigned to: Tomyka Wimberley / February 11, 2011

2. Subject Title: Sonographic Detection of the Ovarian Hyperreactio Luteinalis in Pregnancy: Frantisek Grochal, MD
   Assigned to: Aisha Adil / February 11, 2011

3. Subject Title: Serial Transvaginal Sonographic Findings of Cervical Ectopic Pregnancy Treated With High-Dose Methotrexate: Mi Song MD.
   Assigned to: Kin Tse / February 18, 2011

4. Subject Title: Extra-Amniotic Pregnancy With Fetal Gastrochisis and Clubfoot: Diana Baca, MD.
   Assigned to: Roshini Babu / February 18, 2011

5. Subject Title: Unusual Prenatal Sonographic Findings of Epidermolysis Bullosa Mimicking an Amniotic Band Constriction Ring: Eldad Katoza, MD.
   Assigned to: Baotram Tran / February 25, 2011

6. Subject Title: A Thai Reference for Normal Fetal Nasal Bone Length at 15 to 23 Weeks’ Gestation: Suchin Sutthibenjakul, MD.
   Assigned to: Darya Bushuev / February 25, 2011

7. Subject Title: Antenatal Diagnosis and Treatment of a Dyshormonogenetic Fetal Goiter
   Assigned to: Courtney Thearle / March 4, 2011

8. Subject Title: Prenatal Diagnosis of Holoprosencephaly with Cyclopia
   Assigned to: Ashka Contractor / March 4, 2011

9. Subject Title: First-Trimester Screening for Trisomies 21 and 18
   Assigned to: Jenny Nguyen / March 11, 2011

10. Subject Title: Sonographic Measurements of the Thymus in Male and Female Fetuses: Juan De Leon-Luis, MD, PhD
    Assigned to: Shirin Etemadi / March 11, 2011

11. Subject Title: Sonographic Findings in Trisomy 9
    Assigned to: Melissa McCain / March 25, 2011

12. Subject Title: Supratentorial Abnormalities in the Chiari II Malformation, II: Tectal Morphologic Changes: Andrew Callen
    Assigned to: Farid Fozi-Abivard / March 25, 2011

13. Subject Title: Rare Presentation of Twin Gestation With Acardiac Parabiotic Twin: Ajit Mahale
    Assigned to: Thub Le / April 1, 2011

14. Subject Title: Sonographic Appearance of Early Complete Molar Pregnancies
    Assigned to: Cynthia Hayes / April 1, 2011

15. Subject Title: Spina Bifida: A Review of the Importance of Sonography’s Role in Its Detection: Elke Wingate
    Assigned to: An Le / April 8, 2011

    Assigned to: Nora Iskandar / April 8, 2011