

DIAGNOSTIC MEDICAL SONOGRAPHY ABDOMINAL SONOGRAPHY

Year I, Session V

201030

SON 1112C

4 Credit Hours

Time: **Monday** Lecture 12:00 am - 3:00 pm (Classroom AHS/246)
 Monday **Scanning Lab** 4:00pm – 6:00 pm (Lab AHS 241)
 6:00 pm – 8:00 pm

Prerequisites: BSC 2094C, SON 1001C, SON 1804

Corequisites: SON 1614, SON 1814

Instructor: Barbara Ball, BA, RT(R), RDMS
 Office Building AHS/247
 Office (407) 582-1191

Course Description: This course is an in-depth study in the sonographic imaging of the abdominal viscera and the pathological processes that affect this area of the body. This course also includes correlation of the ultrasound findings with clinical laboratory tests. Included in this course will be a hands-on lab.

Text:

Hagen-Ansert, Sandra. **Textbook of Diagnostic Ultrasonography**, 6th Edition, Mosby, 2006.

Hagen-Ansert, Sandra. **Textbook of Diagnostic Ultrasonography Workbook**, 6th Edition, Mosby, 2006.

Henningsen, Charlotte. **Clinical Guide to Ultrasonography**, Mosby, 2004.

Additional References:

Ahuja, Anil. **Diagnostic Imaging Ultrasound**, Elsevier, 2007

Bates, Jane. **Abdominal Ultrasound, How, Why and When**, 2nd Edition, Churchill Livingstone, 2004.

Gill, Kathryn A. **Abdominal Ultrasound, A Practitioner's Guide**, W.B. Saunders Company, 2001.

ABDOMINAL SONOGRAPHY SON 1112C

Grading Scale:

A	93 – 100	***Articles and assignments <u>will not</u> be accepted after the end of class on the date they are due. (A “zero” will be given for that work.)
B	92 - 85	
C	84 - 76	
D	Unacceptable	

Quizzes	20%	**Quizzes will NOT be announced**
Assignments/Lab/ Community Service	20%	
Tests	40%	* Articles due: 1 st article - May 23, 2011 2 nd article - June 27, 2011 3 rd article - July 18, 2011
Final (Comprehensive)	20%	

*Article Review- A total of 3 article reviews will be required for this semester. These articles are to come from the Journals and/or the Internet. The articles are to pertain to abdominal structures and pathology **only**. It is your responsibility to turn them on due date.

*Pathology Chart – student will prepare a chart listing the characteristics of different pathologies.

*Community Service: Pass/Fail

- 4 hours of community service/professional service in the field of health are required.
- Must be pre-approved by the instructor
- Proof of attendance is required to receive credit
- Community service does not count as a clinical day and must be scheduled around other clinical activities

*Case Presentation - This may be held on Tuesday, Wednesday, or Thursday depending upon Radiologist availability. You will be responsible to present a pathology case throughout the semester. (Will go over in detail during class)

*It will also be a requirement for students to attend the local Central Florida Society of Diagnostic Sonographers meetings. Time and date will be announced. \$5.00 fee per meeting.

*You will be required to join the SDMS – student dues \$40.00
Money will be due on May 18, 2011

ABDOMINAL SONOGRAPHY (CONT.)
SON1112C

COURSE OBJECTIVES: The student will be able to demonstrate the following:

1. Identify cross-sectional abdominal anatomy on ultrasound and CT images.
2. Demonstrate proficiency in the correct use of all technical and medical terms which are necessary for a complete discussion of abdominal sonographic procedures.
3. Demonstrate proficiency in determining the normal vs abnormal abdominal images.
4. Describe the pathological process of disease involving the abdominal organs.
5. Identify the structures contained within the retroperitoneum.
6. Identify the disease processes that affect the liver, gallbladder, pancreas, spleen, renals, adrenal glands, and urinary bladder.
7. Identify the different types of aneurysms and their sonographic appearance and their significance.
8. Identify various fluid collections within the abdominal cavities and their sonographic significance.
9. Identify the different lab values to pertain to disease processes.

*****IT IS YOUR RESPONSIBILITY TO BE READY FOR CLASS*****

Vocabulary Words - Be sure you know them.

Test will be after each Chapter and will be announced.

Chapter Questions will be discussed and turned in.

Workbooks are due on day of tests.

Review Articles are due on the dates in syllabus. It is your responsibility to turn them in.

Can be emailed or on day of class.

Assignments **will not** be accepted after due date. A “zero” will be given.

Attendance: (See attached Attendance Policy)

The student is expected to attend all scheduled classes, seminars, labs and clinicals.

Excessive absences may result in disciplinary action.

Notify the Program Director if you are going to be tardy or absent.

Valencia Student Core Competencies:

The **Valencia Student Core Competencies** (Think, Value, Act, Communicate) are an established component of the College’s curriculum development and review process. A detailed overview can be found in the current *Valencia Catalog*, pp.13-14, or on the Valencia Website ~ HYPERLINK "http://www.valenciacc.edu/competencies/default.asp"

~<http://www.valenciacc.edu/competencies/default.asp>~.

Students with Disabilities:

Students with disabilities who qualify for academic accommodations must provide a letter from the Office for Students with Disabilities (OSD) and discuss specific needs with the professor, preferably during the first two week of class. The Office for Students with Disabilities determines accommodations based on appropriate documentation of disabilities.

Students who are eligible for educational accommodations should present you with a **Notice to Instructor** form signed by an OSD advisor or coordinator. We recommend students do this at the beginning of the term but anytime it is provided it needs to be accepted and accommodations need to be provided. The OSD home page at www.valenciacc.edu/osd has information for faculty and students that can be of interest. If you have any concerns regarding the accommodations please do not hesitate to send me an email at atrujillo@valenciacc.edu or call me at 407-582-1318.

Withdrawal Policy:

Per Valencia Policy 4-07 (Academic Progress, Course Attendance and Grades, and Withdrawals), a student who withdraws from class before the withdrawal deadline of July 1, 2011 will receive a grade of "W." A student is not permitted to withdraw after the withdrawal deadline. A faculty member MAY withdraw a student up to the beginning of the final exam period for violation of the class attendance policy. A student who is withdrawn by faculty for violation of the class attendance policy will receive a grade of "W." Any student who withdraws or is withdrawn from a class during a third or subsequent attempt in the same course will be assigned a grade of "F." For a complete policy and procedure overview on Valencia Policy 4-07 please go to: <http://valenciaccc.edu/generalcounsel/policydetail.cfm?RecordID=75>

DISCLAIMER

Changes in the syllabus and/or schedule may be made at any time during the term by announcement of the professor. A revised syllabus may be issued at the discretion of the professor.

ATTENDANCE

REV. 3/09

Attendance is **required** at all sessions of classes, including clinical, for which the student is duly registered. **In the event of absence (or tardiness), the student must contact the faculty member whose class is missed before class start time to indicate the reason and obtain necessary information to make up the loss.**

In clinical absences or tardiness, the student must also call the clinical site immediately. Failure to call the clinical site and the VCC Clinical Coordinator will result in an automatic five-point deduction from your final clinical grade (in addition to being recorded as one absence). Clinical modules are scheduled on weekdays but may include evening and weekend rotations. **Make-up time must be done in eight-hour increments for each full day of absence. Make-up time must be done at the clinical site where absence was incurred. If make-up time is arranged and not completed on the day it is scheduled, it will be considered as another absence. Volunteer time may not be used as make-up time for absences. You may NOT make up time on off-shifts, weekends, or holiday weeks unless special permission granted.**

In didactic absences, student must contact that class instructor as stated above (paragraph one). **Failure to do so will result in a three-point deduction from final grade.** The possibility also exists that you will receive a zero on any quiz or test given that day. Didactic lectures are scheduled on weekdays only, excluding holidays.

Attendance and punctuality are important employment characteristics that students must demonstrate. Accumulation of 3 absences or 3 tardies will lower a sonography course grade by a letter. Accumulation of 6 absences or tardies will lower a sonography course

grade by two letters and may result in dismissal from the program. **THIS POLICY APPLIES TO ANY ABSENCE FROM CLINIC, LAB, OR CLASS.**

Exceptions to this policy are bereavement leave or an extended illness which requires appropriate documentation (physician's orders, stating illness and release to return to school) for which make-up arrangements will be made on an individual basis. "Extended illness" is any illness that keeps one from attending school for three or more consecutive days. This applies ONLY to illness of the student. If bereavement leave involves **consecutive** absences for an out-of-town funeral, it will also be considered as one absence.

All doctor, dental and other appointments should be made outside of scheduled school time. If for some reason this is not possible, the student must submit their name, date, time of appointment and reason, to the Program Director no later than the day before the scheduled appointment. The student must provide written confirmation that he/she kept the doctor's appointment.

SCHEDULED TIME OFF

See Program Manual for policy on extended scheduled time off.

I HAVE READ AND UNDERSTOOD THE ENTIRE ATTENDANCE POLICY.

STUDENT

SIGNATURE: _____ **DATE:** _____

PRINT NAME: _____

I HAVE READ AND UNDERSTOOD THE ENTIRE SYLLABUS.

STUDENT

SIGNATURE: _____ **DATE:** _____

PRINT NAME: _____