



# LINCOLN UNIVERSITY

## DI 140 – OB/GYN Scanning (Lab)

### Course Syllabus

Academic Term: Fall 2013  
Course Number: DI 140  
Lab Instructor: Richard Yee, RDMS  
Contact: ryee@lincolnuca.edu, lzakasovskaya@lincolnuca.edu  
Credit: 3 units = 90 hours of lab  
Class Hours: Mondays & Tuesdays, 12:30-4:15 p.m. (08/26-12/10)  
Office Hours: OB/GYN Lab Appointments 510-238-9744

#### **Course Description:**

Scanning protocols and practice for the ultrasound examination in obstetrics and gynecology.  
(3 units) *Prerequisite: DI 130*

#### **Learning Objectives:**

- Ultrasound ergonomics
- Anatomy of the female pelvic in Obstetrics and Gynecology
- Basic anatomy images and protocols: Uterus, Ovaries, Fetus biometrics
- Broad understanding of B-mode, M-mode, Doppler, Color and Spectrum
- Recognize normal physiologic processes in female
- Differentiate between normal and abnormal sonographic findings
- Recognize sonographic normal fetal anatomy
- Describe physiology and pathology of the placenta and amnion
- Describe sonographic and fetal acquired, congenital and genetic diseases
- Demonstrate knowledge of presenting biometrics

#### **Instructional Methods:**

- Live demonstration ultrasound protocols in class
- Laboratory hands-on training with protocol handouts

#### **Ultrasound Hands-on Laboratory Examination:**

During the final ultrasound hands-on examination, students will have to demonstrate understanding of information presented primarily during the lectures and hands-on laboratory training, i.e. Protocols, Images and Time.

- Students need to be at the ultrasound lab, ready to start scanning at the exact time per scheduled.
- Arrive about 15 minutes prior to your scheduled exam time.

- If you are late for the scheduled exam time, your time CANNOT be changed and you will not get a full hour! If you are late, you will only have the remaining time left in your hour.
- On exam days you may come to class, but it is not mandatory until your scheduled exam time.
- Only one time RETEST will be given to students with a valid excuse: such as illness, family emergency, unforeseen heavy traffic or natural disaster.

**Attendance and Participation:**

- Students who are tardy, who arrive after roll is taken or leave before the end of class will receive only half-credit for attendance.
- **Students are not allowed to be more than 15 minutes late.**
- If you are late or absent, a valid excuse such as illness, family emergency, unforeseen heavy traffic or natural disaster is expected. Oversleeping, and working on films are not considered valid excuses.
- **No requirements to make up any work missed as a result of an absence. However, it is your responsibility to obtain notes from other class members regarding the class session you missed.**

**Grading:**

Lab	Performance of scanning protocols	30%
	Midterm	30%
	Final Exam	30%
	Lab Attendance	10%
Total		100%

% Achieved	Grades
100-93	A
92-89	A-
88-85	B+
84-81	B
80-77	B-
76-73	C+
72-69	C
68-65	C-
64-61	D+
60-50	D
49≤	F

## Classroom Protocol:

- All students are expected to display professionalism, in preparation for hospital work. That means arriving on time, remaining quiet when others are speaking, and paying attention to whoever has the floor in the classroom.
- Students are expected to attend and be prepared for all regularly scheduled classes. If a student knows in advance that he or she will need to leave early, the student should notify the instructor before the class period begins.
- Students are expected to treat faculty and fellow students with respect. For example, students must not disrupt class by leaving and reentering during class, must not distract class by making noise, and must be attentive to comments being made by the instructor and by peers.
- Never speak while the instructor is speaking.
- Always raise your hand to speak or to leave your seat, and wait for a response before speaking.
- **Disruptive behavior will not be tolerated**, including touching of other classmates or their belongings.
- Students engaging in disruptive behavior in class will be asked to leave and may be subject to other penalties if the behavior continues.
- No eating, sleeping or personal grooming is permitted during lecture and ultrasound laboratory classes.
- Drinks only in closed container.
- Please turn off your cell phones, and refrain from activities that disrupt the class (such as eating and walking in and out of the room while class is in session).
- If you use a computer in class, please use it only to take notes, to access course materials from the course webpage, or to locate information relevant to the class discussion. Do not use your computer to surf the web, check emails, or send/receive text messages, as these activities are distracting to those around you (and decrease your chances of getting the most out of your time in class).
- To encourage the free flow of conversation, no part of any class may be recorded on audio or video media without the permission of the instructor. You may record notes by hand or by typing into a mobile computer.
- The presence of guests to listen to any part of a class requires the consent of the instructor.

## Fall Semester 2013 Schedule: DI 140 (Lab)

Week #	Mon. & Tues.	Topics
Week 1	08/26-27/13	Clinical Protocols, GYN: Uterus
Week 2	09/03/13	Labor Day: No Lab on 09/02/13
Week 3	09/09-10/13	Endometrium / Ovaries / Adnexa
Week 4	09/16-17/13	Clinical Protocols, OB 1st Trimester, Biometrics
Week 5	09/23-24/13	Clinical Protocols 2nd and 3rd Trimesters, Biometrics
Week 6	10/30-10/1/13	2nd and 3rd Trimesters, Biometrics
Week 7	10/07-8/13	2nd and 3rd Trimesters, Biometrics
Week 8	10/14-15/13	2nd and 3rd Trimesters, Biometrics
Week 9	10/21-22/13	2nd and 3rd Trimesters, Biometrics
Week 10	10/28-29/13	2nd and 3rd Trimesters, Biometrics
Week 11	11/04-5/13	2nd and 3rd Trimesters, Biometrics
Week 12	11/11-12/13	2nd and 3rd Trimesters, Biometrics
Week 13	11/18-19/13	2nd and 3rd Trimesters, Biometrics
Week 14	11/25/13	11/26-30/2013 (Fall Recess): No Lab on Tuesday
Week 15	12/02-03/13	<b>Final Exam</b>
Week 16	12/09-10/13	<b>Final Exam</b>

### Recommended self-study:

- Review anatomy location, patient's position, images techniques, biometrics, and pathologies.
- Additional sources: Sonoworld.com, Ultrasoundpedia.com, Sonoaccess App.
- Exam Prep Diagnostic Ultrasound: Sanders/Dolk/Miner.  
ISBN-10: **0781717787**, ISBN-13: **978-0781717786**

### Note:

- Instructor may change this syllabus and course schedule at any time according to the judgment as to what is best for the class. Any changes will be declared ahead of time in class.
- Lab weekly schedule may adjust to the volume and trimesters of volunteer patients.
- Lab session is very dependent on OB volunteers for walk-ins or schedule appointments. Your assistance in recruitment of OB volunteers is necessary to insure real-time practice and your skills development. Please schedule appointments if you have OB volunteers with the Lab assistance.
- Lab. Phone for appointments: (510) 238-9744.

Syllabus update: 08/07/2013