

COURSE OUTLINE

FALL 2009

08/25/09- 11/19/09

NAME: JAHAN ORAZOVA, MD, PHD, RVT, RDMS

CONTACT INFORMATION: email: jahanorazova@yahoo.com

COURSE TITLE: ULTRASOUND PRINCIPLES AND PROTOCOLS

COURSE CODE: DI 110

CREDIT HOURS: 3 units lecture, 1 unit lab

TEACHING HOURS: 9:00 am – 11:45 am, T & Th

COURSE DESCRIPTION

This course included introduction to abdomen and small parts, ob/gyn, vascular and echo.

PREREQUISITES:

SCI 31- Human Biology.

DI 20 - Medical Terminologies.

DI 30 - Anatomy & Physiology.

DI 120 – Physical Principles of Ultrasound

TEXTBOOKS AND OTHER ASSIGNED INSTRUCTIONAL MATERIALS

Ultrasound Scanning: Principles & Protocols

by Betty Bates Templin

Recommended:

1. Reva A. Carry, Betty Bates Temkin, 1st ed. Ultrasonography: an introductory and functional anatomy. Volume 1, 5th ed.

7. Appleton & Lange Review for the Ultrasonography Examination (Appleton & Lange Review Book Series) by Carol A. Krebs, Charles S. Odwin, Arthur C. Fleischer, 3 edition (April 2, 2004)

DI 110 ULTRASOUND PRINCIPLES AND PROTOCOLS

Weeks#	Date	Lecture	
Week 1	08/25/09 08/27/09	Abdominal scanning protocols. General Principles. Scanning planes and scanning methods. Pathology scanning protocol. Abdominal aorta; Inferior vena cava	lecture/lab
Week 2	09/01/09 09/03/09	Abdominal scanning protocols: the Liver;	lecture/lab
Week 3	09/08/09	The Gallbladder and Billiary Tract	lecture/lab
Week 4	09/15/09 09/17/09	Abdominal scanning protocols: The Pancreas	lecture/lab
Week 5	09/22/09 09/24/09	Abdominal scanning protocols: The Kidneys & Adrenal Glands	lecture/lab
Week 6	09/29/09 10/01/09	Abdominal scanning protocols: the Spleen	lecture/lab
Week 7	10/06/09 10/08/09	MIDTERM LAB- PRESENTATION	Exam

Week 8	10/13/09 10/15/09	Small parts scanning protocols Brest Sonography.	lecture/lab
Week 9	10/20/09	Small parts scanning protocols: The Thyroid And Parathyroid Glands. The Lymph Nodes.	lecture/lab
Week 10	10/22/09	Small parts scanning protocols: The Scrotum.	lecture/lab
Week 11	10/27/09 10/29/09	Pelvic scanning protocols: Male and Female pelvic. Prostate gland and surrounding Structures	lecture/lab
Week 12	11/03/09 11/05/09	Pelvic Sonography. Obstetrics Sonography. 1 st , 2 nd , and 3 rd trimesters	lecture/lab
Week 13	11/10/09 11/12/09	Review.	Class discussions Lab
Week 14	11/17/09 11/19/09	Final Exam – Written Final Lab – Hands-on Ultrasound Image	Exam