

MASTER SYLLABUS

COURSE NO., HOURS AND TITLE:

RAD 409B -8, Clinical Practicum IV

COURSE DESCRIPTION:

The student is assigned to a clinical education center(s) to practice and perfect sonography skills. The student will be supervised by qualified sonographers and directed in specific experiences designed to meet course objectives. Prerequisite: RAD 409-a

COURSE OBJECTIVES:

Upon completion of this practicum, the student will be able to:

1. Demonstrate professional interaction/communication skills with the patient; clinical supervisor; department personnel; and radiologist(s)/ physician(s).
2. Obtain a thorough and accurate patient history
3. Demonstrate accurate image acquisition and analysis
4. Demonstrate clinical safety and decision making

COURSE OUTLINE:

1. Assimilate and appropriately respond to clinical instruction from clinical mentors
2. Communicate effectively with patients, families and other health care professionals, reflecting respect, politeness, tact, collaboration, teamwork and discretion
3. Demonstrate appropriate responses to the critically ill, medical emergencies and death
4. Prioritize and manage multiple tasks simultaneously
5. Under direct/indirect supervision, demonstrate basic sonography imaging competency in the following organs:
 - Gallbladder
 - Liver
 - Pancreas
 - Spleen
 - Kidney
 - Aorta
 - Transabdominal non-gravid pelvis
 - 1st trimester gravid pelvis/limited OB
 - 2nd trimester complete OB
 - Thyroid or breast or scrotum or pylorus or appendix
 - Vascular

PREREQUISITE: Restricted to major or consent of school

TEXTBOOKS:

Penny, S (2015) Introduction to Sonography and PatientCare 1st ed.,
Wolters Kluwer Health

Tempkin B. (2009) Ultrasound Scanning 3rd ed. W.B. Sanuders, Philadelphia, PA.

Hagen-Ansert, S (2017) Textbook of Diagnostic Ultrasonography 8th ed.,
Mosby, St. Louis, MO

Edelman, S. (2012) Understanding Ultrasound Physics 4th ed, Woodlands, Texas
ESP,INC.