

## MASTER SYLLABUS

### COURSE NO., HOURS AND TITLE:

RAD 409A -10, 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. Restricted to major or consent of school. Students must receive a grade of "B" or higher to advance within the Sonography Program.

### 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
  - 1<sup>st</sup> trimester gravid pelvis/limited OB
  - 2<sup>nd</sup> trimester complete OB
  - Thyroid or breast or scrotum or pylorus or appendix
  - Vascular

### MEANS OF STUDENT EVALUATION:

Clinical competencies	= 40%
Personal/Professional Assessment	= 35%
Assignments/Required paperwork	= 20%
Journal Entries	= <u>5%</u>
Total	= 100%

### Grading Scale:

93 - 100 = A — Exceptionally high achievement

85 - 92	= B — Satisfactory achievement
77 - 84	= C — Unsatisfactory achievement - removed from program
70 – 76	= D — Unsatisfactory achievement - removed from program
Below 70	= F — Unsatisfactory achievement - removed from program

**PREREQUISITE:** Restricted to major or consent of school

**TEXTBOOKS:**

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

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

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

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