



### **Course Description**

#### **SON2834 | Clinic 4 | 2.00 credits**

This is the fourth in a series of six (6) clinics in which the student is assigned to a medical facility. The student is afforded hands-on experience in sonography under the supervision of a clinical instructor, sonographer or physician. Prerequisite: SON1824.

### **Course Competencies**

**Competency 1:** The student will demonstrate knowledge and application of image optimization in 2D and Doppler studies by:

1. Evaluating images and applying proper techniques
2. Identifying and comparing gain and power
3. Identifying preset
4. Identifying Zoom
5. Identifying focus
6. Identifying aliasing

**Competency 2:** The student will demonstrate knowledge and application of ergonomics by:

1. Demonstrating proper body mechanics when scanning a patient
2. Demonstrating proper body mechanics when moving a patient
3. Demonstrating proper body mechanics when moving machines

**Competency 3:** The student will identify pathology on ultrasound exams by:

1. Describing pathology using sonographic terms
2. Identifying basic views within the scanning protocol
3. Identifying all structures within each protocol view
4. Discussing average measurements within the protocol
5. Describing abnormal findings
6. Discussing differential diagnosis

**Competency 4:** The student will demonstrate the ability to assist in ultrasound studies and demonstrate the basic skills of a sonographer by:

1. Assisting with the ultrasound exam by providing basic images. a. Listing and discussing protocols for each exam
2. Preparing patients for the ultrasound exam
3. Preparing rooms for the ultrasound exam
4. Identifying image storage techniques
5. Demonstrating basic patient care skills
6. Demonstrating attention to patient safety
7. Demonstrate preparation to start an exam and prepare an ultrasound machine and room
8. Demonstrating basic skills for the prevention of infection
9. Locating emergency equipment and supplies

**Competency 5:** The student will demonstrate clinic preparedness by:

1. Participating in the daily activities of the sonography department
2. Demonstrating professional and ethical conduct and adherence to rules and regulations of the school and clinical site
3. Communicating with patients, medical staff, and physicians professionally

### **Learning Outcomes:**

- Communicate effectively using listening, speaking, reading, and writing skills
- Formulate strategies to locate, evaluate, and apply information