

## LABETTE COMMUNITY COLLEGE BRIEF SYLLABUS

### **SPECIAL NOTE:**

This brief syllabus is not intended to be a legal contract. A full syllabus will be distributed to students at the first class session.

### **TEXT AND SUPPLEMENTARY MATERIALS USED IN THE COURSE (if any):**

Please check with the LCC bookstore <http://www.labette.edu/bookstore> for the required texts for this class.

<b><u>COURSE NUMBER:</u></b>	DMS 218
<b><u>COURSE TITLE:</u></b>	GENERAL & ABDOMINAL SONOGRAPHY LAB
<b><u>SEMESTER CREDIT HOURS:</u></b>	3
<b><u>DEPARTMENT:</u></b>	Diagnostic Medical Sonography
<b><u>DIVISION:</u></b>	Health Science
<b><u>PREREQUISITES:</u></b>	Acceptance into the Sonography program

### **COURSE DESCRIPTION:**

This course will present beginning scanning procedures, and protocols for the Sonography procedures of the abdomen and small anatomical parts. Sonographic technique and normal and abnormal appearance of the anatomy will also be covered.

### **COURSE OUTCOMES AND COMPETENCIES:**

**Students who successfully complete this course will be able to:**

1. Describe the normal function of the organs and systems in the upper abdomen.
  - Describe the normal anatomy, function, Sonographic technique, and appearance of the biliary system.
  - Correlate clinical indications and laboratory values associated with biliary disease.
  - Identify normal and abnormal biliary flow characteristics and waveforms.
  - Identify the normal anatomy and variants, function, Sonographic technique, and normal Sonographic appearances of the liver.
  - Differentiate clinical indications and laboratory values associated with hepatic disease.
  - Identify normal and abnormal liver flow characteristics and waveforms.
  - Analyze current diagnostic Doppler criteria.
  - Describe the normal anatomy, function, Sonographic technique, and appearance of the pancreas.
  - Correlate clinical indications and laboratory values associated with pancreatic disease.
  - To prepare competent entry-level general abdominal and small part scanning under certified supervision.

2. Identify the normal function of the renal and lower urinary tract.

- Describe the normal anatomy and variants, function, Sonographic technique, and normal Sonographic appearances of the kidneys and lower urinary tract.
- Correlate clinical indications and laboratory values associated with urinary tract disease.
- Identify normal and abnormal urinary tract flow characteristics and waveforms.
- Analyze current diagnostic Doppler criteria.
- Describe positioning and Sonographic signs of renal transplantation.

3. Evaluate the normal function of the spleen, aorta, IVC, and adrenal glands, breast, thyroid, and scrotum.

- Describe the normal anatomy and variants, function, Sonographic technique, and normal Sonographic appearances of the spleen.
- Correlate clinical indications and laboratory values associated with splenic disease.
- Identify normal and abnormal splenic flow characteristics and waveforms.
- Locate and identify the aorta and inferior vena cava.
- Demonstrate correct anatomy and pathology of breast, thyroid, and scrotum.
- Analyze current diagnostic Doppler criteria of the major vessels.
- Describe the normal anatomy and variants, function, Sonographic technique, and normal Sonographic appearances of the adrenal glands.
- Analyze clinical indications and laboratory values associated with adrenal pathology.

4. Explain the normal function of the gastrointestinal tract and the abdominopelvic wall and cavities.

- Identify the normal anatomy and variants, function, Sonographic technique, and normal Sonographic appearances of the gastrointestinal tract.
- Correlate clinical indications and laboratory values associated with GI tract disease.
- Discuss the normal anatomy and variants, function, Sonographic technique, and normal Sonographic appearances of the abdominopelvic wall and cavities.
- Recognize clinical indications and laboratory values associated with abdominopelvic wall and cavities disease.