**2. Class Title Credits**

DMS  130   General  Sonography  I   2

This course includes a brief review of the anatomy, physiology and sectional anatomy of the human abdomen, superficial structures and non-cardiac chest. Pathology and pathophysiology specific to the general concentration will be presented. Recognition of the normal and abnormal sonographic appearances of the human thoracic, abdominal and superficial anatomy will be taught. Best practice examination methods utilizing ultrasound technology are presented. Basic exam protocols will be discussed

**Objectives:**

**Upon completion of this course, the student should be able to do the following:**

1. Identify ultrasound image orientation
2. Identify cross sectional anatomy
3. Demonstrate patient positioning for a given ultrasound procedure
4. Define and use related medical terminology
5. Identify anatomy of the liver and surrounding structures
6. Recognize laboratory values associated with the liver and pathologies of the liver
7. Identify the anatomy of the extrahepatic biliary system
8. List common gallbladder disease signs and symptoms
9. Identify common neoplasms of the gallbladder
10. Identify the anatomy of the pancreas and the vascular landmarks
11. Identify anatomy of the gastrointestional tract and common pathologies

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