

## ECHO2105 - Adult Echocardiography Lab III

Credits:	2 (0/2/0)
Description:	Students will continue to build on the ultrasound scanning skills learned in ECHO1105 and ECHO1115. Content includes continued skill enhancement of a full adult transthoracic echocardiography scanning protocol. In addition, students will continue to master the content of the required measurements to determine the severity of cardiovascular disease.
Prerequisites:	• ECHO1100 • ECHO1110 • ECHO1115 • ECHO1120 • ECHO1125
Corequisites:	• ECHO2100
Pre/Corequisites*:	
Competencies:	<ol> <li>Evaluate patient information that is obtained prior to performing an echocardiogram.</li> <li>Perform proper body mechanics and ergonomics during an ultrasound exam.</li> <li>Practice the two-dimensional (2D) views required for a complete echocardiogram.</li> <li>Interpret measurements of heart size and function using 2D imaging.</li> <li>Produce the echocardiographic views required to assess ischemic disease.</li> <li>Interpret Doppler waveforms for an assessment of diastolic function.</li> <li>Understand and show the echocardiographic views required for pericardial disease assessment.</li> <li>Apply Doppler principles to ultrasound images.</li> <li>Interpret Color Doppler for the assessment of valvular disease.</li> <li>Assess Doppler waveforms in valvular stenosis.</li> <li>Demonstrate the use of M-mode for an assessment of heart structure.</li> <li>Demonstrate a systematic approach to a 2D and Doppler exam.</li> <li>Acquire the imaging protocol for a complete echocardiographic examination.</li> </ol>
MnTC goal areas:	None

<sup>\*</sup>Can be taking as a Prerequisite or Corequisite.