HSC312: Cardiovascular Principles
A Diagnostic Medical Sonography Partnership Program Course in the Cardiac/Vascular Track

**Number of Credits:** 3 credit hours
**Day/Time:** See course schedule
**Prerequisites:** Admission to hospital partner program

**Instructor Information & Office Hours:**
Refer to the clinical program partner for detailed information

**Carroll University Advisor:**
Lucy Glaser, M.Ed
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**Course Description:**
The first half of the course focuses on structure, function and pathology of the cardiovascular system. Mechanisms of function of the cardiovascular system will be discussed. Cardiac structures and identification will be covered. The second portion of this course will provide the necessary skills and knowledge to perform a complete cardiac Doppler examination. The course will cover the introduction to cardiac Doppler assessment, Doppler hemodynamics, and color flow imaging. The student will learn how to perform Doppler assessment and quantification of severity of valvular stenosis and regurgitation. Students will also learn how to provide information for both systolic and diastolic Doppler assessments.

**Required & Recommended Texts:**
Refer to the clinical program partner for a more detailed syllabus copy

**Course Objectives:**
Refer to the clinical program partner for a more detailed syllabus copy

**Measurable Student Learning Objectives:**
Refer to the clinical program partner for a more detailed syllabus copy

**Description of How Course Fits in Broader Field:**
Refer to the clinical program partner for a more detailed syllabus copy

**Evaluation Tools:**
Refer to the clinical program partner for a more detailed syllabus copy

Last Revised 2016
**Attendance Policy & Student Responsibilities:**
Refer to the clinical program partner for a more detailed syllabus copy

The instructor and the University reserve the right to modify, amend or change the syllabus (course requirements, grading policy, etc.) as the curriculum and/or program require(s).

**Accommodations for Disabilities:** Students with disabilities who may need accommodations or any student considering obtaining documents should make an appointment with the Walter Young Center (262-524-7621) no later than the first week of class.

**Statement on Academic Integrity:** The Carroll University Academic Integrity Policy is located in the student handbook - [https://my.carrollu.edu/ICS/Departments/Student_Affairs/](https://my.carrollu.edu/ICS/Departments/Student_Affairs/). Please familiarize yourself with it. Carroll University emphasizes that students have an obligation to conduct their academic work with honesty and integrity. All acts of academic misconduct are serious. If you have any questions about appropriate citations, please ask.