HSC311: Cardiovascular Physiology
A Diagnostic Medical Sonography Partnership Program Course in the Cardiac/Vascular Track

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

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

Carroll University Advisor:
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Course Description:
This course is designed to put into practice basic and advanced cardiovascular physiology concepts. The course will include the conduction system, circulation system, ECG pattern recognition and intracardiac pressures. CV physiology will also explore the heart at the cellular level. Student will learn about the cardiac action potential, coupling and uncoupling of myocardial sarcomeres and preload/afterload concepts. This course will include cardiac heart sounds and other clinical clues used in conjunction with echocardiographic evidence to determine a cardiac diagnosis.

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

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

Last Revised 2016
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/. 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.