

Course Objectives/Course Outline
Spokane Community College

Course Title: Cardiovascular Physiology

Prefix and Course Number: ICT 138

Course Learning Outcomes:

By the end of this course, a student should be able to:

- Describe the physical factors which effect blood circulation
- Review electrophysiology and how it relates to the ECG
- Explain and solve problems relating to the hemodynamics of blood flow
- Relate the physical principles of the heart as a pump
- Describe the physical principles related to arterial blood flow
- Describe the regulation of blood flow, cardiac output and neurologic effects

Course Outline:

- I. The Circuitry
- II. Electrophysiology
- III. Cardiac Pump
- IV. Regulation of Heartbeat
- V. Hemodynamic
- VI. Arterial System
- VII. Microcirculation
- VIII. Peripheral Circulation
- IX. Cardiac Output
- X. Coronary Circulation
- XI. Special Circulations