

# **A&P; II Cardiac Conduction Study Sheet: ECG Basics, Blood Flow Order, Valves, and Heart Sounds**

University of Michigan  
Anatomy and Physiology II (HLTH 202) | Study Guide

## **Overview**

An anatomy and physiology II study sheet for students reviewing cardiac conduction, ECG wave basics, blood flow sequence, valve timing, and heart sounds before cardiovascular quizzes. This note helps students review SA node AV node bundle branches and Purkinje fibers, P wave QRS complex and T wave meaning, blood flow through chambers valves lungs and body with clear examples and study prompts.

## **Key Topics**

- SA node AV node bundle branches and Purkinje fibers
- P wave QRS complex and T wave meaning
- blood flow through chambers valves lungs and body
- lub dub valve closure timing
- cardiac cycle vocabulary for short answers

## **Suggested Study Tasks**

- label the conduction pathway in order
- match ECG waves to electrical events
- trace blood flow through 18 checkpoints
- connect valve closure to heart sounds
- build a one-page cardiac cycle review map

## **Common Mistakes**

- mixing electrical events with mechanical contraction
- placing valves in the wrong blood flow order
- calling every ECG deflection a heartbeat
- forgetting pulmonary versus systemic circulation
- memorizing sounds without valve timing