

Semester 2 – Physiology Curricula for Cardiovascular Physiology

Lectures are scheduled on Thursdays, from 18:00 to 20:00 (G.E. Palade Amphitheatre)

Assoc. Prof. Ana-Maria Zăgrean

Lecture 1

Organization of the cardiovascular system (Boron, Ch. 17, p. 410-412)

Cardiac electrophysiology (Boron, Ch. 21, p. 483-493)

Lecture 2

The electrocardiogram (Boron, Ch. 21 – p. 493-506)

Lecture 3

The heart as a pump – the cardiac cycle and cardiac dynamics (Boron, Ch. 22, p. 507-522)

Lecture 4

Cardiac contractility (Boron, Ch. 22, p. 522-532)

Special circulations – general aspects, circulation of the heart, heart metabolism (Boron, Ch. 24, p. 556-557, p. 560-562)

Lecture 5

Hemodynamics (Boron, Ch. 17, p. 412-423)

Arteries and veins (Boron, Ch. 19, p. 447-460)

Lecture 6

Microcirculation (Ch. 20, p. 461-482)

Lecture 7

Regulation of arterial pressure and cardiac output (Ch. 23, p. 533-555)

Lecture 8

Integrated control of the cardiovascular system (Ch. 25, p. 572-587)