

2nd YEARS

RESPIRATION- CIRCULATION COMMITTEE

Interdisciplinary Sciences and Biophysics	Dr. N. Seyhan	2 Hr
Forces on active erythrocytes Stoke's Law	Dr. A. Canseven Kurşun	2 Hr
Pressure in Circulation System: Bernoulli Law	Dr. A. Canseven Kurşun	2 Hr
Velocity and Flow in internal frictional flowing : Poiseulli Law	Dr. A. Canseven Kurşun	2 Hr
Training	Dr. A. Canseven Kurşun	2 Hr
Changes in Pressure-velocity and Kinetic Energy due to Pathological contraction of arteries	Dr. A. Canseven Kurşun	2 Hr
Laplace Law and auto regulation of pressure	Dr. A. Canseven Kurşun	2 Hr

DIGESTION AND METABOLISM COMMITTEE

System: Energy and metabolic rate in biological systems	Dr. B. Sırav	2 Hr
Thermodynamic systems, Enthalpy and Entropy: Open, Close and Isolated systems	Dr. B. Sırav	2 Hr
Heat Regulation and Transfer Mechanisms: Heat Transfer by Transmission, Convection and Radiation	Dr. B. Sırav	2 Hr
Fourier and Newton Heat Transmission Laws	Dr. B. Sırav	2 Hr
Natural potentials and electrical activities of tissues	Dr. B. Sırav	2 Hr
Helmholtz Resonance Theory	Dr. B. Sırav	2 Hr