**FIRAT UNIVERSITY FACULTY OF DENTISTRY COURSE SCHEDULE**

**Department : Physiology**

**Grade : 2nd Grade**

**Semester : 2024-2025 FALL/SPRING SEMESTER COURSES**

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| **Week** |  |  |
| **1st Semester** | Topic | Lecturer |
| 1.Week  25.09.2024 | 13.15-15.00 Introduction to Physiology: Cell and General Physiology  15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 2.Week  02.10.2024 | 13.15-15.00 Membrane Physiology  15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 3.Week  09.10.2024 | 13.15-15.00 Functional Classification of Muscles and Skeletal Muscle  15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 4.Week  16.10.2024 | 13.15-15.00 Functional Structure and Contraction Mechanism of Smooth Muscles  15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 5.Week  23.10.2024 | 13.15-15.00 General Functions of Blood, Properties and Erythrocytes  15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 6.Week  30.10.2024 | 13.15-15.00 Destruction of Erythrocytes, Blood Groups and Leukocytes  15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 7.Week  06.11.2024 | 13.15-15.00 Leukocyte Production, Platelets, Hemostasis and Coagulation  15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 8.Week  13.11.2024 | 13.15-15.00 Cardiovascular System. Gen. Specifics, Cardiac Muscle and Cyclicity  15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 9.Week  20.11.2024 | 13.15-15.00 Neural Control of Heart Functions and Electrocardiography  15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 10.Week  27.11.2024 | 13.15-15.00 Role of the Kidneys in Arterial Pressure and Hypertension  15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 11.Week  04.12.2024 | 13.15-15.00 Cardiovascular Changes in Exercise  15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 12.Week  11.12.2024 | **MIDTERM EXAM WEEK** | |
| 13.Week  18.12.2024 | **MIDTERM EXAM WEEK** | |
| 14.Week  25.12.2024 | 13.15-15.00 Lung Ventilation Mechanics, Volume and Capacities  15.15-17.00 General Physiology Laboratory | Doç. Dr. Emine KAÇAR |
| 15.Week  01.01.2025 | **Public Holiday** | **-** |
| 16.Week  08.01.2025 | 13.15-15.00 Diffusion of Gases in Respiratory Membranes  15.15-17.00 General Physiology Laboratory | Doç. Dr. Emine KAÇAR |
| 17.Week  15.01.2025 | 13.15-15.00 Oxygen Transport and Carbon Dioxide Transport in Blood  15.15-17.00 General Physiology Laboratory | Doç. Dr. Emine KAÇAR |
| **17.01.2025** | **END OF TERM** | |

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| **2.Dönem** | **Konu** | **Dersi veren öğretim üyesi** |
| 1.Week  05.02.2025 | 13.15-15.00 General Rules of Digestive System Motility and Enteric Nervous System  15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 2.Week  12.02.2025 | 13.15-15.00 Bile and Intestinal Secretions and Liver Physiology  15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 3.Week  19.02.2025 | 13.15-15.00 Functional Classification of the Nervous System and Nerve Cell  15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 4. Week  26.02.2025 | 13.15-15.00 Second Messenger Systems, Neurotransmitters  15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 5. Week  05.03.2025 | 13.15-15.00 Sensory Receptors, Properties of Senses and Somatic Senses  15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 6. Week  12.03.2025 | 13.15-15.00 Motor and Reflex Functions of the Spinal Cord and Motor Cortex  15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 7. Week  19.03.2025 | 13.15-15.00 Functions of the Motor Cortex and Corticospinal Pathway Brainstem Motor Function.  15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 8. Week  26.03.2025 | 13.15-15.00 Learning and Memory Functions, Limbic System and Autonomic Nervous System  15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 9. Week  02.04.2025 | 13.15-15.00 Urine Formation, Blood Flow and Control in the Kidneys  15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 10. Week  09.04.2025 | 13.15-15.00 Renal Regulation of K, Ca, PO4, Mg and Buffer Systems  15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 11. Week  16.04.2025 | **MIDTERM EXAM WEEK** | |
| 12. Week  23.04.2025 | **MIDTERM EXAM WEEK** | |
| 13. Week  30.04.2025 | 13.15-15.00 Introduction to Endocrinology and Hormonal Mechanisms of Action  15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 14. Week  07.05.2025 | 13.15-15.00 Growth Hormone and Its Effects, ADH, Oxytocin and Thyroid Hormones  15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 15. Week  14.05.2025 | 13.15-15.00 Calcium and Phosphate Metabolism, Vitamin D and Bone Building  15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 16. Week  21.05.2025 | 13.15-15.00 Male Reproductive System Functions, Sex Hormones and Testosterone  15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 17. Week  28.05.2025 | 13.15-15.00 Female Sexual Cycle, Development of Pregnancy and Functions of the Placenta  15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| **30.05.2025** | **END OF TERM** | |