**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.Week25.09.2024 | 13.15-15.00 Introduction to Physiology: Cell and General Physiology15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 2.Week02.10.2024 | 13.15-15.00 Membrane Physiology15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT  |
| 3.Week09.10.2024 | 13.15-15.00 Functional Classification of Muscles and Skeletal Muscle15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 4.Week16.10.2024 | 13.15-15.00 Functional Structure and Contraction Mechanism of Smooth Muscles15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 5.Week23.10.2024 | 13.15-15.00 General Functions of Blood, Properties and Erythrocytes15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 6.Week30.10.2024 | 13.15-15.00 Destruction of Erythrocytes, Blood Groups and Leukocytes15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 7.Week06.11.2024 | 13.15-15.00 Leukocyte Production, Platelets, Hemostasis and Coagulation15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 8.Week13.11.2024 | 13.15-15.00 Cardiovascular System. Gen. Specifics, Cardiac Muscle and Cyclicity15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT  |
| 9.Week20.11.2024 | 13.15-15.00 Neural Control of Heart Functions and Electrocardiography15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT  |
| 10.Week27.11.2024 | 13.15-15.00 Role of the Kidneys in Arterial Pressure and Hypertension15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT  |
| 11.Week04.12.2024 | 13.15-15.00 Cardiovascular Changes in Exercise15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT  |
| 12.Week11.12.2024 | **MIDTERM EXAM WEEK** |
| 13.Week18.12.2024 | **MIDTERM EXAM WEEK** |
| 14.Week25.12.2024 | 13.15-15.00 Lung Ventilation Mechanics, Volume and Capacities15.15-17.00 General Physiology Laboratory | Doç. Dr. Emine KAÇAR |
| 15.Week01.01.2025 | **Public Holiday** | **-** |
| 16.Week08.01.2025 | 13.15-15.00 Diffusion of Gases in Respiratory Membranes15.15-17.00 General Physiology Laboratory | Doç. Dr. Emine KAÇAR |
| 17.Week15.01.2025 | 13.15-15.00 Oxygen Transport and Carbon Dioxide Transport in Blood15.15-17.00 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.Week05.02.2025 | 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.Week12.02.2025 | 13.15-15.00 Bile and Intestinal Secretions and Liver Physiology15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 3.Week19.02.2025 | 13.15-15.00 Functional Classification of the Nervous System and Nerve Cell15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 4. Week26.02.2025 | 13.15-15.00 Second Messenger Systems, Neurotransmitters 15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 5. Week05.03.2025 | 13.15-15.00 Sensory Receptors, Properties of Senses and Somatic Senses 15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 6. Week12.03.2025 | 13.15-15.00 Motor and Reflex Functions of the Spinal Cord and Motor Cortex15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 7. Week19.03.2025 | 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. Week26.03.2025 | 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. Week02.04.2025 | 13.15-15.00 Urine Formation, Blood Flow and Control in the Kidneys15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 10. Week09.04.2025 | 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. Week16.04.2025 | **MIDTERM EXAM WEEK** |
| 12. Week23.04.2025 | **MIDTERM EXAM WEEK** |
| 13. Week30.04.2025 | 13.15-15.00 Introduction to Endocrinology and Hormonal Mechanisms of Action 15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 14. Week07.05.2025 | 13.15-15.00 Growth Hormone and Its Effects, ADH, Oxytocin and Thyroid Hormones15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 15. Week14.05.2025 | 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. Week21.05.2025 | 13.15-15.00 Male Reproductive System Functions, Sex Hormones and Testosterone 15.15-17.00 General Physiology Laboratory | Prof. Dr. Sinan CANPOLAT |
| 17. Week28.05.2025 | 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** |