

Course Title: Clinical Biochemistry (1) Ph.D

Field and Level of Study: Ph.D in Clinical Biochemistry

Faculty: Medicine

Academic Year: 2024-2025 (1404-1403 Persian Calendar)

Prerequisite: —

Number of Credits: 2

Semester: Bahman

Teaching Staff: Dr. Mohammadi / Dr. Babaahmadi / Dr. Taghavi / Dr. Vosoughi / Internal Medicine Group / Dr. Rashidi / Dr. Mohammadi / Dr. Sabtenia / Dr. Ijder / Dr. Ghasemian

Class Day and Time: Sundays, 10:00 AM - 12:00 PM

Session	Date	Course Topics (Concepts Expected to be Taught)	Learner Activities	Teaching Method	Instructor
First	1403/11/28	Physiology, Pathophysiology of Heart Diseases and Cardiac Biomarkers			Dr. Mohammadi
Second	1403/12/05	Physiology, Pathophysiology of Heart Diseases and Cardiac Biomarkers			Dr. Mohammadi
Third	1403/12/12	Molecular Mechanism of Atherosclerosis			Dr. Babaahmadi
Fourth	1403/12/19	Laboratory Methods and Diagnosis of Metabolic Disorders of Lipids, Lipoproteins, and Cardiac Biomarkers			Dr. Babaahmadi
Fifth	1404/01/17	Blood Diseases including White Blood Cell, Red Blood Cell, and Platelet Disorders Related to Clinical Biochemistry			Dr. Vosoughi
Sixth	1404/01/24	Blood Diseases including White Blood Cell, Red Blood Cell, and Platelet Disorders Related to Clinical Biochemistry			Dr. Vosoughi
Seventh	1404/01/31	Anatomy and Function of the Lungs along with Related Diseases and Diagnostic Tests			Internal Medicine Group
Eighth	1404/02/07	Anatomy and Function of the Lungs along with Related Diseases and Diagnostic Tests			Internal Medicine Group
Ninth	1404/02/14	Biochemical Evaluation of Pulmonary Diseases and Tests			Dr. Babaahmadi
Tenth	1404/02/21	Pathophysiology of Kidney Diseases and Diagnostic Tests			Dr. Sabtenia
Eleventh	1404/02/28	Pathophysiology of Kidney Diseases and Diagnostic Tests			Dr. Sabtenia
Twelfth	1404/03/04	Tests for Evaluating Kidney Function along with their Interpretation			Dr. Salehipour
Thirteenth	1404/03/11	Tests for Evaluating Kidney Function along with their Interpretation			Dr. Salehipour
Fourteenth	1404/03/18	Complete Urinalysis, Types of Urinary Stones, Their Causes and Diagnosis			Dr. Ijder
Fifteenth	1404/03/25	Measurement of Electrolytes, Acid-Base Disorders, and Blood Gases along with Interpretation			Dr. Ghasemian
Sixteenth	1404/04/01	Laboratory Methods for Diagnosis of Drugs and Toxins			Dr. Rashidi
Seventeenth	1404/04/08	Importance of Semen in Diagnosis and Physiopathological Changes			Dr. Rashidi