

2025-2026 ACADEMIC YEAR PHASE I
MED 102 Cell Sciences II

Committee start date : 24 November 2025

Committee end date : 23 January 2026

Classroom: Grand Library Hall 3

| | Lecture | Lab | Total |
|----------------------|------------|----------|------------|
| Biostatistics | 16 | - | 16 |
| Medical Biochemistry | 28 | 4 | 32 |
| Medical Biology | 24 | - | 24 |
| Microbiology | 28 | 4 | 32 |
| Organic Chemistry | 12 | - | 12 |
| TOTAL | 108 | 8 | 116 |

Dean

Professor Gamze MOCAN, MD

Vice Deans

Professor Selda ÖNDERÖĞLU, PhD

Coordinator

Professor Aysel KÜKNER, MD, PhD

Assistant Coordinators

Professor Özlem DALMIZRAK, PhD

Professor Umut GAZİ, PhD

Assistant Professor Gizem SÖYLER, PhD

ACADEMIC STAFF

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Department of Medical Biochemistry

Professor Umut GAZİ

Department of Medical and Clinical Microbiology

Professor Emrah RUH

Department of Medical and Clinical Microbiology

Professor Selma YILMAZ

Department of Medical Biology

Associate Professor Süleyman AŞIR

Department of Organic Chemistry

Associate Professor Cemile BAĞKUR

Department of Medical and Clinical Microbiology

Associate Professor Victor MARKUS

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Associate Professor Ayşe SARIOĞLU

Department of Medical and Clinical Microbiology

Associate Professor Özgür TOSUN

Department of Biostatistics

Assistant Professor Eşref ÇELİK

Department of Medical and Clinical Microbiology

Lecturer Oğuz Han EDEBAL

Department of Medical Biochemistry

Lecturer Ferdiye TANER

Department of Medical and Clinical Microbiology

| | 24 November | 25 November | 26 November | 27 November | 28 November |
|---------------|--|--|---|--|--|
| 08.40 - 09.30 | Independent Learning | Biochemistry Chemical Structure and Function of Lipids I Özlem Dalmızrak | Organic Chemistry Reactions of Aromatic Compounds Süleyman Aşır | Independent Learning | Independent Learning |
| 09.40 - 10.30 | Medical Biology DNA Replication Selma Yılmaz | Biochemistry Chemical Structure and Function of Lipids I Özlem Dalmızrak | Organic Chemistry Reactions of Aromatic Compounds Süleyman Aşır | Biochemistry Lipoproteins: Structure and functions Özlem Dalmızrak | Biostatistics Introduction to Statistics and Biostatistics Özgür Tosun |
| 10.40 - 11.30 | Medical Biology DNA Replication Selma Yılmaz | Medical Biology "Central Dogma" and Flow of Genetic Information Selma Yılmaz | Biochemistry Chemical Structure and Function of Lipids II Özlem Dalmızrak | Biochemistry Lipoproteins: Structure and functions Özlem Dalmızrak | Biostatistics Introduction to Statistics and Biostatistics Özgür Tosun |
| 11.40 - 12.30 | Independent Learning | Medical Biology "Central Dogma" and Flow of Genetic Information Selma Yılmaz | Biochemistry Chemical Structure and Function of Lipids II Özlem Dalmızrak | Independent Learning | Independent Learning |
| 13:00 - 13:50 | Independent Learning | Independent Learning | Independent Learning | Independent Learning | Independent Learning |
| 14:00 - 14:50 | Elective | Independent Learning | Elective | Independent Learning | Independent Learning |
| 15:00 - 15:50 | | Independent Learning | | Independent Learning | Independent Learning |
| 16:00 - 16:50 | Independent Learning | Independent Learning | Independent Learning | Independent Learning | Independent Learning |

| | 1 December | 2 December | 3 December | 4 December | 5 December |
|---------------|--|--|--|---|---|
| 08.40 - 09.30 | Independent Learning | Microbiology Bacterial Cell Structure <i>Emrah Ruh</i> | Organic Chemistry Aldehyde and Ketones: Nucleophilic Addition to the Carbonyl Group <i>Süleyman Aşır</i> | Microbiology Bacterial Metabolism <i>Emrah Ruh</i> | Independent Learning |
| 09.40 - 10.30 | Medical Biology RNA Structure <i>Selma Yılmaz</i> | Microbiology Bacterial Cell Structure <i>Emrah Ruh</i> | Organic Chemistry Aldehyde and Ketones: Nucleophilic Addition to the Carbonyl Group <i>Süleyman Aşır</i> | Microbiology Bacterial Metabolism <i>Emrah Ruh</i> | Independent Learning |
| 10.40 - 11.30 | Medical Biology RNA Structure <i>Selma Yılmaz</i> | Medical Biology Transcription <i>Selma Yılmaz</i> | Microbiology Growth of Bacteria <i>Emrah Ruh</i> | Biostatistics Descriptive Statistics <i>Özgür Tosun</i> | Biostatistics Frequency Tables - Single Variable Graphics <i>Özgür Tosun</i> |
| 11.40 - 12.30 | Microbiology Microbiol World And Classification of Microorganisms <i>Emrah Ruh</i> | Medical Biology Transcription <i>Selma Yılmaz</i> | Microbiology Rickettsiae, Mycoplasma, Chlamydiae: General Structure <i>Emrah Ruh</i> | Biostatistics Descriptive Statistics <i>Özgür Tosun</i> | Biostatistics Frequency Tables - Single Variable Graphics <i>Özgür Tosun</i> |
| 13:00 - 13:50 | Independent Learning | Independent Learning | Independent Learning | Independent Learning | Independent Learning |
| 14:00 - 14:50 | Elective | Independent Learning | Elective | Independent Learning | Independent Learning |
| 15:00 - 15:50 | | Independent Learning | | Independent Learning | Independent Learning |
| 16:00 - 16:50 | Independent Learning | Independent Learning | Independent Learning | Independent Learning | Independent Learning |

| | 8 December | 9 December | 10 December | 11 December | 12 December |
|---------------|-------------------------------------|------------------------------------|---------------------------------------|---|---------------------------------|
| 08.40 - 09.30 | Medical Biology | Biochemistry | Organic Chemistry | Biostatistics | Biochemistry |
| | Post Transcriptional Modifications | Coenzymes and Cofactors | Aldehyde and Ketones: Aldol Reactions | Cross Tables, Bivariate and Multivariate Graphics | Problem Solving (Bioenergetics) |
| | Selma Yılmaz | Victor Markus | Süleyman Asır | Özgür Tosun | Özlem Dalmızrak |
| 09.40 - 10.30 | Medical Biology | Biochemistry | Organic Chemistry | Biostatistics | Biochemistry |
| | Post Transcriptional Modifications | Coenzymes and Cofactors | Aldehyde and Ketones: Aldol Reactions | Cross Tables, Bivariate and Multivariate Graphics | Discussion (Bioenergetics) |
| | Selma Yılmaz | Victor Markus | Süleyman Asır | Özgür Tosun | Özlem Dalmızrak |
| 10.40 - 11.30 | Biochemistry | Medical Biology | Biochemistry | Biochemistry | Biostatistics |
| | Structure and Functions of Vitamins | Genetic Code and Protein Synthesis | Principles of Bioenergetics | ATP Cycle | Probability Theory |
| | Victor Markus | Selma Yılmaz | Özlem Dalmızrak | Victor Markus | Özgür Tosun |
| 11.40 - 12.30 | Biochemistry | Medical Biology | Biochemistry | Biochemistry | Biostatistics |
| | Structure and Functions of Vitamins | Genetic Code and Protein Synthesis | Principles of Bioenergetics | ATP Cycle | Probability Theory |
| | Victor Markus | Selma Yılmaz | Özlem Dalmızrak | Victor Markus | Özgür Tosun |
| 13:00 - 13:50 | Independent Learning | Independent Learning | Independent Learning | Independent Learning | Independent Learning |
| 14:00 - 14:50 | Elective | Independent Learning | Elective | Independent Learning | Independent Learning |
| 15:00 - 15:50 | | Independent Learning | | Independent Learning | Independent Learning |
| 16:00 - 16:50 | Independent Learning | Independent Learning | Independent Learning | Independent Learning | Independent Learning |

| | 15 December | 16 December | 17 December | 18 December | 19 December |
|---------------|---|---|--|--|----------------------|
| 08.40 - 09.30 | Medical Biology Genetic Code and Protein Synthesis Selma Yilmaz | Microbiology Bacteria Important in Human Health Emrah Ruh | Independent Learning | Microbiology Antibiotics: Mechanism of Action and Resistance Emrah Ruh | Independent Learning |
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| 09.40 - 10.30 | Medical Biology Genetic Code and Protein Synthesis Selma Yilmaz | Microbiology Bacteria Important in Human Health Emrah Ruh | Organic Chemistry Carboxylic Acids and Their Derivatives Süleyman Asır | Microbiology Antibiotics: Mechanism of Action and Resistance Emrah Ruh | Independent Learning |
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| 10.40 - 11.30 | Microbiology Bacterial Genetics Ferdiye Taner | Medical Biology Genetic Control Mechanisms Selma Yilmaz | Organic Chemistry Carboxylic Acids and Their Derivatives Süleyman Asır | Biostatistics Probability Theoretical Distributions Özgür Tosun | Independent Learning |
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| | | | | | |
| 11.40 - 12.30 | Microbiology Bacterial Genetics Ferdiye Taner | Medical Biology Genetic Control Mechanisms Selma Yilmaz | Independent Learning | Biostatistics Probability Theoretical Distributions Özgür Tosun | Independent Learning |
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| 13:00 - 13:50 | Independent Learning | Independent Learning | Independent Learning | Independent Learning | Independent Learning |
| 14:00 - 14:50 | Elective | Independent Learning | Elective | Independent Learning | Independent Learning |
| 15:00 - 15:50 | | Independent Learning | | Independent Learning | Independent Learning |
| 16:00 - 16:50 | Independent Learning | Independent Learning | Independent Learning | Independent Learning | Independent Learning |

| | 22 December | 23 December | 24 December | 25 December | 26 December |
|---------------|--|--|--|-------------------------------------|--|
| 08.40 - 09.30 | Independent Learning | Independent Learning | Organic Chemistry Amides and Nitriles Süleyman Asır | | Biochemistry LAB SESSION: SPECTROPHOTOMETRY Victor Markus |
| 09.40 - 10.30 | Medical Biology Genetic Control Mechanisms and Diseases Selma Yılmaz | Biostatistics Sampling Özgür Tosun | Organic Chemistry Amides and Nitriles Süleyman Asır | | Biochemistry LAB SESSION: SPECTROPHOTOMETRY Victor Markus |
| 10.40 - 11.30 | Medical Biology Genetic Control Mechanisms and Diseases Selma Yılmaz | Biostatistics Sampling Özgür Tosun | Biochemistry Introduction to Biochemistry Laboratory: Laboratory Safety and General Information Victor Markus | ADMINISTRATIVE HOLIDAY FOR STUDENTS | Biostatistics Introduction to Inferential Statistics Özgür Tosun |
| 11.40 - 12.30 | Independent Learning | Independent Learning | Biochemistry Principles and use of Spectrophotometers Victor Markus | | Biostatistics Introduction to Inferential Statistics Özgür Tosun |
| 13:00 - 13:50 | Independent Learning | Independent Learning | Independent Learning | | Independent Learning |
| 14:00 - 14:50 | Elective | Independent Learning | Elective | ADMINISTRATIVE HOLIDAY FOR STUDENTS | Independent Learning |
| 15:00 - 15:50 | | Independent Learning | | | Independent Learning |
| 16:00 - 16:50 | Independent Learning | Independent Learning | Independent Learning | | Independent Learning |

| | 29 December | 30 December | 31 December | 1 January | 2 January | | |
|---------------|----------------------|----------------------|----------------------|--------------------|-------------------------------------|--|--|
| 08.40 - 09.30 | Independent Learning | Independent Learning | Independent Learning | NEW YEAR'S HOLIDAY | ADMINISTRATIVE HOLIDAY FOR STUDENTS | | |
| 09.40 - 10.30 | Independent Learning | Independent Learning | Independent Learning | | | | |
| 10.40 - 11.30 | Independent Learning | Independent Learning | Independent Learning | | | | |
| 11.40 - 12.30 | Independent Learning | Independent Learning | Independent Learning | | | | |
| 13:00 - 13:50 | Independent Learning | Independent Learning | Independent Learning | NEW YEAR'S HOLIDAY | ADMINISTRATIVE HOLIDAY FOR STUDENTS | | |
| 14:00 - 14:50 | Elective | Independent Learning | Elective | | | | |
| 15:00 - 15:50 | | Independent Learning | | | | | |
| 16:00 - 16:50 | Independent Learning | Independent Learning | Independent Learning | | | | |

| | 5 January | 6 January | 7 January | 8 January | 9 January |
|---------------|----------------------|---|------------------------------------|--|-----------------------------|
| 08.40 - 09.30 | Independent Learning | Biochemistry | Organic Chemistry | Microbiology | Microbiology |
| | | Introduction to Enzymes | Amines | General Properties of Viruses: Morphology and Chemical Structure | Virus host Cell Interaction |
| | | Özlem Dalmızrak | Süleyman Aşır | Umut Gazi | Umut Gazi |
| 09.40 - 10.30 | Independent Learning | Biochemistry | Organic Chemistry | Microbiology | Microbiology |
| | | Introduction to Enzymes | Amines | General Properties of Viruses: Morphology and Chemical Structure | Virus host Cell Interaction |
| | | Özlem Dalmızrak | Süleyman Aşır | Umut Gazi | Umut Gazi |
| 10.40 - 11.30 | Independent Learning | Microbiology | Microbiology | Biochemistry | Biochemistry |
| | | Cellular Structure and Genetics of Fungi | Fungi Important in Human Health | Enzyme Kinetics | Enzyme Kinetics |
| | | Esref Çelik | Esref Çelik | Özlem Dalmızrak | Özlem Dalmızrak |
| 11.40 - 12.30 | Independent Learning | Microbiology | Microbiology | Biochemistry | Biochemistry |
| | | Cellular Structure and Genetics of Fungi | Fungi Important in Human Health | Enzyme Kinetics | Enzymes in Diagnosis |
| | | Esref Çelik | Esref Çelik | Özlem Dalmızrak | Oğuz Han Edebal |
| 13:00 - 13:50 | Independent Learning | Independent Learning | Independent Learning | Independent Learning | Independent Learning |
| 14:00 - 14:50 | Elective | Independent Learning | Elective | Independent Learning | Independent Learning |
| 15:00 - 15:50 | | Independent Learning | | Independent Learning | Independent Learning |
| 16:00 - 16:50 | Independent Learning | Independent Learning | Independent Learning | Independent Learning | Independent Learning |

| | 12 January | 13 January | 14 January | 15 January | 16 January |
|---------------|---|---|--|--|--------------|
| 08.40 - 09.30 | Independent Learning | Microbiology Cellular Structure of Protozoa and Helminths Emrah Ruh | Microbiology Parasites Important in Human Health Cemile Bağkur | Independent Learning | Microbiology |
| 09.40 - 10.30 | Medical Biology Mutagenesis Selma Yılmaz | Microbiology Cellular Structure of Protozoa and Helminths Emrah Ruh | Microbiology Parasites Important in Human Health Cemile Bağkur | Microbiology Growth of Bacteria Lab Teaching Emrah Ruh | LAB |
| 10.40 - 11.30 | Medical Biology Mutagenesis Selma Yılmaz | Medical Biology Mutagenesis Selma Yılmaz | Biochemistry LAB SESSION: ENZYMES Victor Markus | Microbiology Fungi Lab Teaching Eşref Celik | |
| 11.40 - 12.30 | Microbiology Sterilization & Disinfection Ayşe Sarıoğlu | Medical Biology Mutagenesis Selma Yılmaz | Biochemistry LAB SESSION: ENZYMES Victor Markus | Independent Learning | |

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|---------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 13:00 - 13:50 | Independent Learning | Independent Learning | Independent Learning | Independent Learning | Independent Learning |
| 14:00 - 14:50 | Elective | Independent Learning | Elective | Independent Learning | Independent Learning |
| 15:00 - 15:50 | | Independent Learning | | Independent Learning | Independent Learning |
| 16:00 - 16:50 | Independent Learning | Independent Learning | Independent Learning | Independent Learning | Independent Learning |

| | 19 January | 20 January | 21 January | 22 January | 23 January |
|---------------|--|---|----------------------|----------------------|---|
| 08.40 - 09.30 | Medical Biology DNA Repair System Selma Yilmaz | Independent Learning | Independent Learning | Independent Learning | EXAMINATION: Cell Sciences II Committee |
| 09.40 - 10.30 | Medical Biology DNA Repair System Selma Yilmaz | Biochemistry Introduction and Enzymatic Reactions in Cell Membranes Victor Markus | Independent Learning | Independent Learning | |
| 10.40 - 11.30 | Biochemistry Chemical Structure of Membranes Victor Markus | Biochemistry Introduction and Enzymatic Reactions in Cell Membranes Victor Markus | Independent Learning | Independent Learning | |
| 11.40 - 12.30 | Biochemistry Chemical Structure of Membranes Victor Markus | Independent Learning | Independent Learning | Independent Learning | |
| 13:00 - 13:50 | Independent Learning | Independent Learning | Independent Learning | Independent Learning | EXAMINATION: Cell Sciences II Committee |
| 14:00 - 14:50 | Elective | Independent Learning | Elective | Independent Learning | |
| 15:00 - 15:50 | | Independent Learning | | Independent Learning | |
| 16:00 - 16:50 | Independent Learning | Independent Learning | Independent Learning | Independent Learning | |