

**2024-2025 ACADEMIC YEAR PHASE I**  
**MED 104 Cell Sciences IV**

**Committee start date : 24 March 2025**

**Committee end date : 23 May 2025**

**Venue: Ataturk Culture and Congress Center**

|                        | Lecture   | Lab        | Total     |
|------------------------|-----------|------------|-----------|
| Biophysics             | 23        | -          | 23        |
| Histology & Embryology | 6         | -          | 6         |
| Medical Biochemistry   | 20        | -          | 20        |
| Medical Biology        | 10        | 4+4        | 18        |
| Medical Genetics       | 6         | -          | 6         |
| Medical History        | 9         | -          | 9         |
| Physiology             | 7         | -          | 7         |
| <b>TOTAL</b>           | <b>81</b> | <b>4+4</b> | <b>19</b> |

**Dean**

**Vice Dean**

**Vice Dean**

**Coordinator**

**Assistant Coordinators**

**Professor Gamze Mocan**

**Professor Selda Önderoğlu**

**Professor Songül Vaizoğlu**

**Professor Özlem Dalmızrak**

**Associate Professor Emrah Ruh**

**Associate Professor Umut Gazi**

**Assistant Professor Gizem SÖYLER**

**ACADEMIC STAFF**

Professor Nesrin ÇOBANOĞLU

Professor Özlem DALMIZRAK

Professor Murat ÖZGÖREN

Professor Pınar TULAY

Professor Selma YILMAZ

Associate Professor Günnur KOÇER

Assistant Professor Burak DURMAZ

Assistant Professor Gizem SÖYLER

Dr. Seminay GÜLER

Department of Medical History and Ethics

Department of Medical Biochemistry

Department of Biophysics

Department of Medical Genetics

Department of Medical Biology

Department of Physiology

Department of Medical Biochemistry

Department of Histology & Embryology

Department of Medical Genetics

**ACADEMIC STAFF (ELECTIVE COURSES)**

Professor Engin BAYSEN

Professor Slobodan ILIC

Uzm. İlker GELİŞEN

İpek SEYLAN

|               | 24 March                              | 25 March             | 26 March                                                                   | 27 March                                                                                                                                                                        | 28 March                       |
|---------------|---------------------------------------|----------------------|----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| 08.30 - 09.20 | Medical History                       | Medical History      | Medical History                                                            | Independent Learning                                                                                                                                                            | Independent Learning           |
|               | What is Medicine?                     | Hippocratic Medicine | Contemporary Scientific Medicine and Features of the 20th Century Medicine |                                                                                                                                                                                 |                                |
|               | Nesrin Çobanoğlu                      | Nesrin Çobanoğlu     | Nesrin Çobanoğlu                                                           |                                                                                                                                                                                 |                                |
| 09.30 - 10.20 | Medical History                       | Medical History      | Medical History                                                            | Biophysics                                                                                                                                                                      | Biophysics                     |
|               | What is Medical Research Methodology? | Medieval Medicine    | History of Turkish Medicine                                                | What is Biophysics? Sub-branches of Biophysics                                                                                                                                  | Measurement and Measurability  |
|               | Nesrin Çobanoğlu                      | Nesrin Çobanoğlu     | Nesrin Çobanoğlu                                                           | Murat Özgören                                                                                                                                                                   | Murat Özgören                  |
| 10.30 - 11.20 | Medical History                       | Medical History      | Medical History                                                            | Biophysics                                                                                                                                                                      | Biophysics                     |
|               | Prehippocratic Medicine               | Islamic Medicine     | History of Turkish Medicine                                                | Physical Sizes, SI Unit System                                                                                                                                                  | Biophysical Systems and Models |
|               | Nesrin Çobanoğlu                      | Nesrin Çobanoğlu     | Nesrin Çobanoğlu                                                           | Murat Özgören                                                                                                                                                                   | Murat Özgören                  |
| 11.30 - 12.20 | Independent Learning                  | Independent Learning | Independent Learning                                                       | Independent Learning                                                                                                                                                            | Independent Learning           |
| 13:00 - 13:50 | Independent Learning                  | Independent Learning | Independent Learning                                                       | Independent Learning                                                                                                                                                            | Independent Learning           |
| 14:00 - 14:50 | Independent Learning                  | Independent Learning | Elective<br><br>GEC237 Cultural History<br><br>Slobodan Ilic               | Elective                                                                                                                                                                        | Independent Learning           |
| 15:00 - 15:50 | Independent Learning                  | Independent Learning |                                                                            | GEC222 Artificial Intelligence in Medical Sciences OR GEC140 Misconception in Health Sciences OR GEC367 French Culture and Civilization<br><br>İlker Gelişen OR Engin Baysen OR | Independent Learning           |
| 16:00 - 16:50 | Independent Learning                  | Independent Learning |                                                                            | Independent Learning                                                                                                                                                            | Independent Learning           |

|               | 31 March       | 1 April        | 2 April                             | 3 April                                                                                                                                             | 4 April              |
|---------------|----------------|----------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 08.30 - 09.20 | PUBLIC HOLIDAY | PUBLIC HOLIDAY | Independent Learning                | Independent Learning                                                                                                                                | Independent Learning |
| 09.30 - 10.20 |                |                | Independent Learning                | Independent Learning                                                                                                                                | Independent Learning |
| 10.30 - 11.20 |                |                | Independent Learning                | Independent Learning                                                                                                                                | Independent Learning |
| 11.30 - 12.20 |                |                | Independent Learning                | Independent Learning                                                                                                                                | Independent Learning |
| 13:00 - 13:50 | PUBLIC HOLIDAY | PUBLIC HOLIDAY | Independent Learning                | Independent Learning                                                                                                                                | Independent Learning |
| 14:00 - 14:50 |                |                | Elective<br>GEC237 Cultural History | Elective<br>GEC222 Artificial Intelligence in Medical Sciences OR GEC140 Misconception in Health Sciences OR GEC367 French Culture and Civilization | Independent Learning |
| 15:00 - 15:50 |                |                | Slobodan Illic                      | Ilker Gelişen OR Engin Baysen OR İpek Seylan                                                                                                        | Independent Learning |
| 16:00 - 16:50 |                |                | Independent Learning                | Independent Learning                                                                                                                                | Independent Learning |

|               | 7 April                                                                        | 8 April                                                                         | 9 April                                                                                   | 10 April                                                         | 11 April                                                         |
|---------------|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|
| 08.30 - 09.20 | Medical Biology<br>DNA and RNA Technologies<br><i>Selma Yilmaz</i>             | Medical Biochemistry<br>Biosynthesis of Carbohydrates II<br><i>Burak Durmaz</i> | Independent Learning                                                                      | 3RD INTERNATIONAL MEDICAL STUDENT CONGRESS "HABITAT CYPRUS 2025" | 3RD INTERNATIONAL MEDICAL STUDENT CONGRESS "HABITAT CYPRUS 2025" |
| 09.30 - 10.20 | Medical Biology<br>DNA and RNA Technologies<br><i>Selma Yilmaz</i>             | Medical Biochemistry<br>Biosynthesis of Carbohydrates II<br><i>Burak Durmaz</i> | Medical Biochemistry<br>Biosynthesis of Fatty Acids and Regulation<br><i>Burak Durmaz</i> |                                                                  |                                                                  |
| 10.30 - 11.20 | Medical Biochemistry<br>Biosynthesis of Carbohydrates I<br><i>Burak Durmaz</i> | Medical Biology<br>DNA and RNA Technologies<br><i>Selma Yilmaz</i>              | Medical Biochemistry<br>Biosynthesis of Fatty Acids and Regulation<br><i>Burak Durmaz</i> |                                                                  |                                                                  |
| 11.30 - 12.20 | Medical Biochemistry<br>Biosynthesis of Carbohydrates I<br><i>Burak Durmaz</i> | Medical Biology<br>DNA and RNA Technologies<br><i>Selma Yilmaz</i>              | Independent Learning                                                                      |                                                                  |                                                                  |
| 13:00 - 13:50 | Independent Learning                                                           | Independent Learning                                                            | Independent Learning                                                                      | 3RD INTERNATIONAL MEDICAL STUDENT CONGRESS "HABITAT CYPRUS 2025" | 3RD INTERNATIONAL MEDICAL STUDENT CONGRESS "HABITAT CYPRUS 2025" |
| 14:00 - 14:50 | Independent Learning                                                           | Independent Learning                                                            | Elective<br>GEC237 Cultural History                                                       |                                                                  |                                                                  |
| 15:00 - 15:50 | Independent Learning                                                           | Independent Learning                                                            | <i>Slobodan Ilic</i>                                                                      |                                                                  |                                                                  |
| 16:00 - 16:50 | Independent Learning                                                           | Independent Learning                                                            | Independent Learning                                                                      |                                                                  |                                                                  |

|               | 14 April                       | 15 April                                            | 16 April                                                     | 17 April                                                                                                                                                                                    | 18 April                       |
|---------------|--------------------------------|-----------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| 08.30 - 09.20 | Biophysics                     | Medical Biology                                     | Biochemistry                                                 | Independent Learning                                                                                                                                                                        | Independent Learning           |
|               | Biophysical Systems and Models | DNA and RNA Technologies                            | Biosynthesis of Lipids                                       |                                                                                                                                                                                             |                                |
|               | Murat Özgören                  | Selma Yılmaz                                        | Burak Durmaz                                                 |                                                                                                                                                                                             |                                |
| 09.30 - 10.20 | Biophysics                     | Medical Biology                                     | Biochemistry                                                 | Biophysics                                                                                                                                                                                  | Biophysics                     |
|               | Electrical Signal Recording    | DNA and RNA Technologies                            | Biosynthesis of Lipids                                       | Membrane Model and Origin of Potential                                                                                                                                                      | Basics of Radiation Biophysics |
|               | Murat Özgören                  | Selma Yılmaz                                        | Burak Durmaz                                                 | Murat Özgören                                                                                                                                                                               | Murat Özgören                  |
| 10.30 - 11.20 | Medical Biology                | Biophysics                                          | Biophysics                                                   | Biophysics                                                                                                                                                                                  | Biophysics                     |
|               | DNA and RNA Technologies       | Introduction to Thermodynamics-                     | Diffusion of Molecules from Cell Membrane                    | Properties of Excitable Membranes                                                                                                                                                           | Mechanism of Radiation Damage  |
|               | Selma Yılmaz                   | Murat Özgören                                       | Murat Özgören                                                | Murat Özgören                                                                                                                                                                               | Murat Özgören                  |
| 11.30 - 12.20 | Medical Biology                | Biophysics                                          | Biophysics                                                   | Biophysics                                                                                                                                                                                  | Biophysics                     |
|               | DNA and RNA Technologies       | Introduction to Thermodynamics- Thermodynamic Rules | Osmosis of Molecules from Cell Membrane                      | Kinetics of Ion exchange, Ion Channels                                                                                                                                                      | Mechanism of Radiation Damage  |
|               | Selma Yılmaz                   | Murat Özgören                                       | Murat Özgören                                                | Murat Özgören                                                                                                                                                                               | Murat Özgören                  |
| 13:00 - 13:50 | Independent Learning           | Independent Learning                                | Independent Learning                                         | Independent Learning                                                                                                                                                                        | Independent Learning           |
| 14:00 - 14:50 | Independent Learning           | Independent Learning                                | Elective<br><br>GEC237 Cultural History<br><br>Slobodan Ilic | Elective<br>GEC222 Artificial Intelligence in Medical Sciences OR<br>GEC140 Misconception in Health Sciences OR GEC367 French Culture and Civilization<br><br>İlker Gelişen OR Engin Baysen | 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           |

|               | 21 April                   | 22 April                 | 23 April       | 24 April                                                                                                                                                                                 | 25 April                 |
|---------------|----------------------------|--------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 08.30 - 09.20 | Medical Biology            | Independent Learning     | PUBLIC HOLIDAY | Medical Biochemistry                                                                                                                                                                     | Histology and Embryology |
|               | Prenatal Diagnosis         |                          |                | Biosynthesis of Nucleotides I                                                                                                                                                            | Oogenesis                |
|               | Selma Yılmaz               |                          |                | Özlem Dalmızrak                                                                                                                                                                          | Gizem Söyler             |
| 09.30 - 10.20 | Medical Biology            | Histology and Embryology |                | Medical Biochemistry                                                                                                                                                                     | Histology and Embryology |
|               | Prenatal Diagnosis         | Spermatogenesis          |                | Biosynthesis of Nucleotides I                                                                                                                                                            | Oogenesis                |
|               | Selma Yılmaz               | Gizem Söyler             |                | Özlem Dalmızrak                                                                                                                                                                          | Gizem Söyler             |
| 10.30 - 11.20 | Histology and Embryology   | Histology and Embryology |                | Medical Biochemistry                                                                                                                                                                     | Medical Genetics         |
|               | Introduction to Embryology | Spermatogenesis          |                | Biosynthesis of Nucleotides II                                                                                                                                                           | Gene Mapping             |
|               | Gizem Söyler               | Gizem Söyler             |                | Özlem Dalmızrak                                                                                                                                                                          | Seminay Güler            |
| 11.30 - 12.20 | Histology and Embryology   | Independent Learning     |                | Medical Biochemistry                                                                                                                                                                     | Medical Genetics         |
|               | Introduction to Embryology |                          |                | Biosynthesis of Nucleotides II                                                                                                                                                           | Gene Mapping             |
|               | Gizem Söyler               |                          |                | Özlem Dalmızrak                                                                                                                                                                          | Seminay Güler            |
| 13:00 - 13:50 | Independent Learning       | Independent Learning     | PUBLIC HOLIDAY | Independent Learning                                                                                                                                                                     | Independent Learning     |
| 14:00 - 14:50 | Independent Learning       | Independent Learning     |                | Elective                                                                                                                                                                                 | Independent Learning     |
| 15:00 - 15:50 | Independent Learning       | Independent Learning     |                | GEC222 Artificial Intelligence in Medical Sciences OR GEC140 Misconception in Health Sciences OR GEC367 French Culture and Civilization<br>Ilker Gelişen OR Engin Baysen OR İnek Sevilan |                          |
| 16:00 - 16:50 | Independent Learning       | Independent Learning     |                | Independent Learning                                                                                                                                                                     | Independent Learning     |



|               | 5 May                  | 6 May                                                              | 7 May                                                                       | 8 May                                                                                                                                                                                          | 9 May                |
|---------------|------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 08.30 - 09.20 | Medical Biology        | Independent Learning                                               | Biophysics<br>Sensation and Perception<br><i>Murat Özgören</i>              | Independent Learning                                                                                                                                                                           | Independent Learning |
| 09.30 - 10.20 | PROBLEM BASED LEARNING | Medical Biochemistry<br>Imaging Techniques<br><i>Murat Özgören</i> | Biophysics<br>Sensation and Perception<br><i>Murat Özgören</i>              | Independent Learning                                                                                                                                                                           | Independent Learning |
| 10.30 - 11.20 |                        | Biophysics<br>Imaging Techniques<br><i>Murat Özgören</i>           | Medical Genetics<br>Gene Therapy and Genome Editing<br><i>Seminay Güler</i> | Independent Learning                                                                                                                                                                           | Independent Learning |
| 11.30 - 12.20 |                        | Independent Learning                                               | Medical Genetics<br>Gene Therapy and Genome Editing<br><i>Seminay Güler</i> | Independent Learning                                                                                                                                                                           | Independent Learning |
| 13:00 - 13:50 | Independent Learning   | Independent Learning                                               | Independent Learning                                                        | Independent Learning                                                                                                                                                                           | Independent Learning |
| 14:00 - 14:50 | Independent Learning   | Independent Learning                                               | Elective<br>GEC237 Cultural History<br><i>Slobodan Ilic</i>                 | Elective<br>GEC222 Artificial Intelligence in Medical Sciences OR GEC140 Misconception in Health Sciences OR GEC367 French Culture and Civilization<br><i>İlker Gelişen OR Engin Baysen OR</i> | 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 May                                                                                                     | 13 May                                                                   | 14 May                                                                                             | 15 May                                                                                                                                                           | 16 May                                                                              |
|---------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 08.30 - 09.20 | Physiology<br>Introduction to Physiology, Homeostasis and Physiological<br><i>Günnur Koçer</i>             | Medical Biology<br><br><br><br><br><br><br><b>PROBLEM BASED LEARNING</b> | Biochemistry<br>Posttranslational Modification of Proteins and targeting<br><i>Özlem Dalmızrak</i> | Independent Learning                                                                                                                                             | Physiology<br>Action Potentials and Graded Potentials<br><i>Günnur Koçer</i>        |
|               | Physiology<br>Water and Body Fluids Compartments, Osmosis<br><i>Günnur Koçer</i>                           |                                                                          | Biochemistry<br>Protein turnover and significance<br><i>Özlem Dalmızrak</i>                        |                                                                                                                                                                  | Physiology<br>Action Potentials and Graded Potentials<br><i>Günnur Koçer</i>        |
| 09.30 - 10.20 | Physiology<br>Water and Body Fluids Compartments, Osmosis<br><i>Günnur Koçer</i>                           |                                                                          | Biophysics<br>Sleep and Consciousness States: Biophysical Foundations<br><i>Murat Özgören</i>      | Physiology<br>Membrane Transport Mechanisms<br><i>Günnur Koçer</i>                                                                                               | Physiology<br>Action Potentials and Graded Potentials<br><i>Günnur Koçer</i>        |
| 10.30 - 11.20 | Medical Biochemistry<br>Posttranslational Modification of Proteins and targeting<br><i>Özlem Dalmızrak</i> |                                                                          | Biophysics<br>Sleep and Consciousness States: Biophysical Foundations<br><i>Murat Özgören</i>      | Physiology<br>Signaling Molecules and Cellular Receptors<br><i>Günnur Koçer</i>                                                                                  | Biophysics<br>Biophysics and Interdisciplinary Areas<br><i>Murat Özgören</i>        |
| 11.30 - 12.20 | Medical Biochemistry<br>Posttranslational Modification of Proteins and targeting<br><i>Özlem Dalmızrak</i> |                                                                          | Biophysics<br>Sleep and Consciousness States: Biophysical Foundations<br><i>Murat Özgören</i>      | Physiology<br>Signaling Molecules and Cellular Receptors<br><i>Günnur Koçer</i>                                                                                  | Biophysics<br>The Future of Medicine in Terms of Biophysics<br><i>Murat Özgören</i> |
| 13:00 - 13:50 | Independent Learning                                                                                       | Independent Learning                                                     | Independent Learning                                                                               | Independent Learning                                                                                                                                             | Independent Learning                                                                |
| 14:00 - 14:50 | Independent Learning                                                                                       | Independent Learning                                                     | Elective<br>GEC237 Cultural History<br><i>Slobodan Ilic</i>                                        | Elective<br>GEC222 Artificial Intelligence in Medical Sciences OR<br>GEC140 Misconception in Health Sciences OR GEC367<br><i>İlker Geleşen OR Emine Dayıoğlu</i> | 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 May | 20 May | 21 May | 22 May | 23 May                                                                          |
|---------------|--------|--------|--------|--------|---------------------------------------------------------------------------------|
| 08.30 - 09.20 |        |        |        |        | <b>PHASE I</b><br><b>IVth Committee Exam</b><br><i>(time will be announced)</i> |
| 09.30 - 10.20 |        |        |        |        |                                                                                 |
| 10.30 - 11.20 |        |        |        |        |                                                                                 |
| 11.30 - 12.20 |        |        |        |        |                                                                                 |

|               |                      |                      |                                     |                                                                                                                                                        |                                                                                 |
|---------------|----------------------|----------------------|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| 13:00 - 13:50 | Independent Learning | Independent Learning | Independent Learning                | Independent Learning                                                                                                                                   | <b>PHASE I</b><br><b>IVth Committee Exam</b><br><i>(time will be announced)</i> |
| 14:00 - 14:50 | Independent Learning | Independent Learning | Elective<br>GEC237 Cultural History | Elective<br>GEC222 Artificial Intelligence in Medical Sciences OR<br>GEC140 Misconception in Health Sciences OR GEC367 French Culture and Civilization |                                                                                 |
| 15:00 - 15:50 | Independent Learning | Independent Learning | Slobodan Ilic                       | Iliker Gelecegi OR English Deyimleri<br>OR İnkılap Sözlüğü                                                                                             |                                                                                 |
| 16:00 - 16:50 | Independent Learning | Independent Learning | Independent Learning                | Independent Learning                                                                                                                                   |                                                                                 |