

COMMITTEE COURSE CONTENT

University: Muğla Sıtkı Koçman University

Faculty: Faculty of Medicine/ **Program:** English Program

Academic Year: 2021-2022

Phase: 1 / **Comitee:** 4 (Cell Sciences)

Course Code: MED 1400 / **ECTS:** 10 / **Theoric+Practice Lesson +Laboratory Lesson**

Course Type : Compulsory/ **Course Length :** 9 weeks / **Type of Teaching :** Formal/ **Language of Instruction :** English

Anatomy (MED 1008)

Theoretical:

1. Bones of thorax (2 hour)
2. Bones of vertebral column. (2 hour)
3. Head to the whole skeleton I (2 hour)
4. Head to the whole skeleton II (2 hour)
5. Joints of the thorax and vertebral column. (2 hour)
6. Skull bones (Neurocranium) I (2 hour)
7. Skull bones (Neurocranium) II (2 hour)
8. Skull bones (Visccocranium) I (2 hour)
9. Skull bones (Visccocranium) II (2 hour)
10. Skull joints and Temporomandibular joint (2 hour)

Practical:

1. General review (2 hour)
2. Head to the whole skeleton (2 hour)
3. Joints and Bones of vertebral column, and thorax (2 hour)
4. Skull bones (Neurocranium) (2 hour)
5. Skull bones Visccocranium (2 hour)
6. Skull joints and vertebral column (2 hour)

Biophysics (MED 1006)

Theoretical:

1. Bioelectrical current and electrical safety (2 hour)
2. Bone: Mechanic and electrical properties (2 hour)

Practical:

- 1.

Histology and Embryology (MED 1009)

Theoretical:

1. Clinical Embryology and Assisted Reproduction Techniques (2 hour)
2. Congenital anomalies (2 hour)
3. Embriyonic period (4 hour)
4. Embryonic and fetal stem cells (1 hour)
5. Female genital system, genital cvcle, Oogenesis (2 hour)
6. Fertilization, first week of development (1 hour)
7. Fetal membranes and multiple pregnancies (1 hour)
8. Fetal period (2 hour)
9. Implantation and ectopic pregnancies (1 hour)
10. Introduction to human embryology (1 hour)
11. Male genital system and spermatogenesis (2 hour)
12. Ovulation and garnet transfer (1 hour)
13. Placenta (1 hour)
14. Second week of development (1 hour)
15. Third week of development (3 hour)

Practical:

<p>1.</p> <p>Medical Biochemistry (MED 1001)</p> <p>Theoretical:</p> <ol style="list-style-type: none"> 1. Chemical Thermodynamics (2 hour) 2. DNA Structure, organisation & replication (2 hour) 3. Intermediary Metabolism and Metabolic Regulation (4 hour) 4. Metabolism of Purine & Pyrimidine Nucleotides (4 hour) 5. Minerals and Trace elements (4 hour) 6. Molecular Diagnostic techniques (Molecular Diagnostics) (4 hour) 7. Nucleotides and Nucleic acids. Structure & function of Nucleic acids (2 hour) 8. Oxidation & Reduction reactions (1 hour) 9. Proteoglycans (2 hour) 10. Regulation of Gene expression (4 hour) 11. RNA Structure, synthesis & processing (1 hour) 12. Vitamins (4 hour) <p>Practical:</p> <ol style="list-style-type: none"> 1. Biochemistry of Urine (2 hour)
<p>Medical Biology (MED 1017)</p> <p>Theoretical:</p> <ol style="list-style-type: none"> 1. Aging Biology (2 hour) 2. Application of molecular biological methods in medicine (2 hour) 3. Cancer Biology I (2 hour) 4. Cancer Biology II (2 hour) 5. Cell Death Pathways (2 hour) 6. Epigenetic Mechanisms (2 hour) 7. Molecular Biology of Development (2 hour) 8. Stem Cell Biology (2 hour) <p>Practical:</p> <ol style="list-style-type: none"> 1. Polymerase Chain Reaction (PCR) (2 hour)
<p>Medical Ethics (MED 1003)</p> <p>Theoretical:</p> <ol style="list-style-type: none"> 1. Basic concepts of research ethics Basic concepts of research ethics (1 hour) 2. Definition, function, and importance of ethics, bioethics and related concepts (4 hour) 3. Ethical issues related to the exchange of information: Informed consent, truth-telling, privacy (1 hour) 4. Ethical issues related to the exchange of information: Informed consent, truth-telling, privacy (2 hour) 5. Philosophical foundations of medical ethics: The relationship between ethical theory, ethical doctrine, ethical principles, and rules. (2 hour) 6. Principal approach in medical ethics (4 hour) 7. The aims of medicine; ethical values; virtues of medicine and physician (1 hour) 8. The concept of right; patient rights and responsibilities Physician rights and obligations: Deontology (2 hour) <p>Practical:</p> <ol style="list-style-type: none"> 1.
<p>Other:</p> <ol style="list-style-type: none"> 1.
<p>Non-Comitee Courses:</p> <ol style="list-style-type: none"> 1. Principles of Atatürk and Revolutionary History (ATB 1801) (8 hour) 2. Turkish Language (TDB 1801) (12 hour) 3. Foreign Language (YDB 1831) (21 hour)