COMMITTEE COURSE CONTENT

University: Muğla Sıtkı Koçman University
Faculty: Faculty of Medicine**/ Program:** English Program
Academic Year: 2016-2017
Phase: 1 **/ Comitee:** 4 (Cell Sciences)
Course Code: MED 1400 **/ ECT: 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. Joints of the thorax and vertebral column. (2 hour)
4. Skull bones (Neurocranium) I (2 hour)
5. Skull bones (Neurocranium) II (2 hour)
6. Skull bones (Neurocranium) III (2 hour)
7. Skull bones (Visceocranium) I (2 hour)
8. Skull bones (Visceocranium) II (2 hour)
9. Skull bones (Visceocranium) III (2 hour)
10. Skull joints and Temporomandiblar joint (2 hour)
11. Whole skull bones (Neurocranium and Viscerocranium) I (2 hour)
12. Whole skull bones (Neurocranium and Viscerocranium) II (2 hour)

Practical:

1. Axial skeleton (2 hour)
2. Bones of vertebral column, and thorax (2 hour)
3. Joints of the thorax and vertebral column (2 hour)
4. Skull bones (Neurocranium) (2 hour)
5. Skull bones (Visceocranium) (2 hour)
6. Skull joints and Temporomandiblar joint (2 hour)
7. Whole skull bones (2 hour)

Behavioral Sciences (MED 1005)
Theoretical:

1. Anger (2 hour)
2. Personality, Character, (2 hour)
3. Stress and anxiety (2 hour)

Practical:

1.

Biophysics (MED 1006)
Theoretical:

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

Practical:

1.

Histology and Emb. (MED 1009)
Theoretical:

1. Congenital anomalies (2 hour)
2. Embriyonic period (2 hour)
3. Female genital system, genital cycle (1 hour)
4. Fertilization, first week of development (1 hour)
5. Fetal membranes and multiple pregnancies (1 hour)

6. Fetal period (1 hour)
7. Implantation and ectopic pregnancies (1 hour)
8. Introduction of human embryology (1 hour)
9. Male genital system, Spermatogenesis (1 hour)
10. Oogenesis, ovulation (1 hour)
11. Placenta (1 hour)
12. Second week of development (1 hour)
13. Third week of development (2 hour)

Practical:

1.

Med. Biochemistry (MED 1001)

Theoretical:

1. **C**hemical Thermodinamics (4 hour)
2. DNA & RNA (2 hour)
3. DNA organisation & replication (1 hour)
4. Glycoproteins (2 hour)
5. Intermediary Metabolism and Metabolic Regulation (4 hour)
6. Metabolism of Purine & Pyrimidine Nucleotides (4 hour)
7. Minerals and Trace elements (2 hour)
8. Molecular Diagnostic techniques (Molecular Diagnostics) (4 hour)
9. Nucleotides and Nucleic acides (2 hour)
10. Oxidation - Reduction reactions (2 hour)
11. Proteoglicans (2 hour)
12. Regulation of Gene expression (4 hour)
13. RNA synthesis, processing & metabolism (1 hour)
14. Structure & function of Nucleic acides (2 hour)
15. Vitamines (4 hour)

Practical:

1. Biochemistry of Urine (2 hour)

Medical Ethics (MED 1003)

Theoretical:

1. Aims of medicine; ethical values; virtues of medicine and physician (1 hour)
2. Concept of rights; human rights and vulnarable groups; physician-patient rights and responsibilities (1 hour)
3. Ethical issues about changing information: Informed consent, honesty, medical confidentiality, keeping and revealing secret (3 hour)
4. Ethics, bioethics: Definition, function and importance of related concepts (1 hour)
5. National / international ethical charters and physician's duties (1 hour)
6. Philosophical foundations of medical ethics: The relationship between ethical theories, doctrines and policies (1 hour)
7. Principal approach in medical ethics (1 hour)

Practical:

1.

Medical Genetics (MED 1014)

Theoretical:

1. Genetic screening and counseling (1 hour)
2. Molecular-Cytogenetic Laboratory Methods (2 hour)
3. Numerical Chromosomal abnormalities and Disorders (2 hour)
4. Prenatal diagnosis (3 hour)
5. Structural Chromosomal abnormalities and Disorders (2 hour)

Practical:

1.

Other:

1.

Non- Comitee Courses:

1. Principles of Atatürk and Revolutionary History (ATB 1801) (14 hour)

2. Turkish Language (TDB 1801) (6 hour)
3. Foreign Language (ENG 1801) (19 hour)