

COMMITTEE COURSE CONTENT

University: Muğla Sıtkı Koçman University

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

Academic Year: 2021-2022

Phase: 1 / **Comitee:** 2 (Cell Sciences)

Course Code: MED 1200 / **ECTS:** 11 / **Theoric+Practice Lesson +Laboratory Lesson**

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

Behavioral Sciences (MED 1005)

Theoretical:

1. Human and factors that determine human behavior (2 hour)
2. Social Role and Behavior (1 hour)
3. Theories of psychic and cognitive development: Psvchodvnmatic Theory (2 hour)

Practical:

- 1.

Biophysics (MED 1006)

Theoretical:

1. Biological Effect Mechanism of X-Rays (1 hour)
2. Biomagnetism (2 hour)
3. Collisions and Airbags (1 hour)
4. Gas Laws. Temperature and Underwater Breathing (1 hour)
5. Heat Transfusion Mechanism on Body and Temperature Control (2 hour)
6. Radioactivity and Radiation Protection (1 hour)

Practical:

- 1.

Biostatistics (MED 1004)

Theoretical:

1. Introduction to Statistical Inference - Part I: Confidence Intervals (2 hour)
2. Introduction to Statistical Inference - Part II: Hypothesis Testing (2 hour)
3. Normal Distribution (2 hour)
4. Predictive Power of Diagnostic Tests, Bayes' Theorem (2 hour)
5. P-value, Type I and II Errors, Power of a Significance Test (2 hour)
6. Rassal Değişkenler, Beklenen Değerler ve Varanslar (2 hour)
7. Sampling Distribution, The Central Limit Theorem. Law of Large Numbers (2 hour)

Practical:

- 1.

First Aid (MED 1010)

Theoretical:

1. Assessment of the event site and environmental control (1 hour)
2. Basic life support (1 hour)
3. Basics of First Aid (1 hour)
4. First aid in animal bites
5. First aid in cases of heat stroke and frostbite (1 hour)
6. First aid in drowning -First aid in ease of foreign objects in eyes, ears and nose (1 hour)
7. First aid in fractures, dislocations and sprains (1 hour)
8. Injured patient transport techniques (1 hour)

Practical:

- 1.

Medical Biochemistry (MED 1001)

Theoretical:

1. Aminoacids - Classification - Chemical Structures (2 hour)

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| <ol style="list-style-type: none"> 2. Biosynthesis of Aminoacids (4 hour) 3. Carbohydrates (Structure and Function) (2 hour) 4. Disorders of Carbohydrate metabolism (2 hour) 5. Galactose & Fructose Metabolism (2 hour) 6. Glycolysis (2 hour) 7. Hexose Metabolism Pathways (2 hour) 8. Krebs Cycle (TCA Cvclc) (2 hour) 9. Overview of Carbohydrate metabolism (2 hour) 10. Oxidation of Aminoacids (4 hour) 11. Physical & Chemical properties of Aminoacids (4 hour) 12. Regulation of Blood Glucose (2 hour) 13. Synthesis Glycogcnc (Glycogenesis) (2 hour) <p>Practical:</p> <ol style="list-style-type: none"> 1. Aminoacid Assay Methods (2 hour) 2. Reactions of Carbohydrates (2 hour) |
| <p>Medical Biology (MED 1017)</p> <p>Theoretical:</p> <ol style="list-style-type: none"> 1. Cell cvcle (4 hour) 2. Cell Division and Types Mitosis and meiosis (4 hour) 3. Control of Gene Expression (2 hour) 4. DNA replication (4 hour) 5. Examination of mitosis division (6h) 6. Structure and types of RNA (2 hour) 7. Transcription (2 hour) 8. Translation (2 hour) <p>Practical:</p> <ol style="list-style-type: none"> 1. DNA extraction lab. (4 hour) |
| <p>Professional Skills(MED 1013)</p> <p>Theoretical:</p> <ol style="list-style-type: none"> 1. <p>Practical:</p> <ol style="list-style-type: none"> 1. Dış kanamayı durdurmaya yönelik beceri ve kopan uzvun uygun taşınması (2 hour) 2. Hava yolunda yabancı cisim için acil yardım (2 hour) 3. maske takma ve çıkarma steril eldiven giyme ve çıkarma (2 hour) 4. Servikal kollar takma -travma tahtası ile hasta taşıma bandaj-turnike uygulaması (2 hour) |
| <p>Public Health (MED 1007)</p> <p>Theoretical:</p> <ol style="list-style-type: none"> 1. Adolescent health-1 (2 hour) 2. Family Planning Methods (1 hour) 3. Introduction to Environmental Health-1 (1 hour) 4. Introduction to Environmental Health-2 (1 hour) 5. Introduction to Family Planning (1 hour) 6. Introduction to Public Health, Description and History (2 hour) 7. Public Health Concept and Vision-1 (1 hour) 8. Sickness and Health (1 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. English (YDB 1831) (21h) 2. Principles of Atatürk and Revolutionary History (ATB 1801) (8 hour) 3. Turkish Language (TDB 1801) (6 hour) 4. Elective Course (10 hour) 5. Introduction to Information & Communication Technologies (ENF 1905) (24 hour) |