

## COMMITTEE COURSE CONTENT

**University:** Muğla Sıtkı Koçman University  
**Faculty:** Faculty of Medicine/ **Program:** English Program  
**Academic Year:** 2018-2019  
**Phase:** ...3./ **Comitee:** 1 (CELL AND TISSUE INJURY AND INFECTION)  
**Course Code:** 2100 / **ECTS:** 8 / **T+U+L:**  
**Course Type :** Compulsory/ **Course Length :** 6 weeks/ **Type of Teaching :** Formal/ **Language of Instruction :** English

family medicine (MED3004)

Theoretical:

1. History Taking (2 hours)

General Surgery (MED 3009)

Theoretical:

1. Asepsis, Antisepsis, Disinfection. Sterilization (1 hours)
2. Surgical Infections, Definitions, Risk Factors and Surgical Injuries Practical: (1 hours)

Medical Biochemistry (MED 3001)

Theoretical:

1. Acute Phase Reactants (2 hours)
2. Transuda - Exuda (2 hours)
3. Tumor markers (2 hours)

Medical Genetics (MED .....)

Theoretical:

1. Cancer biology and genetical structure 1 (1 hours)
2. Cancer biology and genetical structure 2 (1 hours)
3. Cancer biology and genetical structure 3 (1 hours)
4. Oncogenes (1 hours)
5. The approaches to genetical diseases (2 hours)
6. Tumor Supression Genes(1 hours)

Medical Microbiology (MED3007)

Theoretical:

1. Diagnostic Methods: Culture (2 hours)
2. Diagnostic Methods: ELISA and serology (2 hours)
3. Diagnostic Methods: Microscopy (2 hours)
4. Diagnostic Methods: Molecular methods and Proteomics (2 hours)
5. Hypersensitivity and allergic disorders (2 hours)
6. Immune Responses Against Tumors and Transplants (2 hours)
7. Immunity against microbes (2 hours)
8. Immunodeficiencies (2 hours)
9. Immunological Tolerance and Autoimmunity (2 hours)
10. Laboratory diagnosis of soft tissue and various body fluids infections and evaluation of results (2 hours)
11. Proper specimen collection and transport (2 hours)
12. The role of microbiology laboratory in controlling hospital infections (2 hours)
13. The role of microbiology laboratory in diagnosis (1 hours)
14. Vaccines (2 hours)
15. Viral oncogenesis (2 hours)

Medical Pathology (MED 3002)

Theoretical:

1. Apoptosis, Intracellular depositons, Calcifications 1 (1 hours)
2. Apoptosis, Intracellular depositons, Calcifications 2 (1 hours)

3. Autoimmune diseases 1 (1 hours)
4. Autoimmune diseases 2 (1 hours)
5. Carcinogenesis (1 hours)
6. Cell injury, adaptation and necrosis 1 (1 hours)
7. Cell injury, adaptation and necrosis 2 (1 hours)
8. Electrolyte balance (1 hours)
9. Hypersensitivity reactions 1 (1 hours)
10. Hypersensitivity reactions 2 (1 hours)
11. Immune system and immune deficiencies (1 hours)
12. Inflammation1(1 hours)
13. Inflammation2 (1 hours)
14. Introduction of pathology and the pathology laboratory (1 hours)
15. Neoplasia (1 hours)
16. Repair2 (2 hours)

**Practical:**

1. LAB-Group-1 (2 hours)
2. LAB-Group-2 (2 hours)

**Medical Pharmacology (MED 3011)**

**Theoretical:**

1. "Breaking the mould-The story of Penicillin" film gösterimi (1 hours)
2. Aminoglycosides (1 hours)
3. Antifungal drugs (2 hours)
4. Antineoplastic drugs (1 hours)
5. Antineoplastics (1 hours)
6. Antiseptics and disinfectants (1 hours)
7. Antiviral drugs (2 hours)
8. Cephalosporins (1 hours)
9. Distribution (1 hours)
10. Drug absorption (1 hours)
11. Drug -Drug Interactions (2 hours)
12. Drug receptor interactions (1 hours)
13. Drugs & Dosage forms 1 (1 hours)
14. Drugs & Dosage forms 2 (1 hours)
15. Elimination (1 hours)
16. Factors affecting drug action (1 hours)
17. Immunomodulator drugs 2 (1 hours)
18. Immunomodulator drugs I (1 hours)
19. Interaction between antibiotics and combination of antibiotics (1 hours)
20. Introduction to chemotherapeutics (1 hours)
21. Introduction to Pharmacology, Definition of drug (2 hours)
22. Macrolids, Linkosamide, Streptogramins (1 hours)
23. Mechanism of drug action (1 hours)
24. Membrane transporters and drug response (1 hours)
25. Metabolism 1 (1 hours)
26. Metabolism 2 (1 hours)
27. Other beta-lactam antibiotics, polypeptide antibiotics (1 hours)
28. Penicillins 1 (1 hours)
29. Penicillins 2 (1 hours)
30. Pharmacologic principles of cancer chemotherapy (1 hours)
31. Plasma concentration- time curves (1 hours)
32. Rational Antibiotic use (1 hours)
33. Sulfonamides, Trimethoprim, Quinolones (2 hours)
34. Tetracyclines. Aminoglycosides (1 hours)
35. The Drug Development Process 1 (1 hours)
36. The Drug Development Process 2 (1 hours)
37. Toxic effects of drugs, Introduction to toxicology 1 (1 hours)
38. Toxic effects of drugs, Introduction to toxicology 2 (1 hours)

**39. Treatment of infectious diseases with case examples (1 hours)**

**Oncology (MED 3009)**

**Theoretical:**

- 1. Cancer epidemiology and etiology 1 (1 hours)**
- 2. Cancer epidemiology and etiology 2 (1 hours)**
- 3. Cancer prevention and screening (1 hours)**
- 4. Symptoms and clinical signs in cancer patients 1 (1 hours)**
- 5. Symptoms and clinical signs in cancer patients 2 (1 hours)**

**Undersea and Hyperbaric Medicine (MED 3009)**

**Theoretical:**

- 1. Hyperbaric Oxygen for the Treatment of Severe Infections 7' (1 hours)**
- 2. Hyperbaric Oxygen Treatment (1 hours)**