

## COMMITTEE COURSE CONTENT

**University:** Muğla Sıtkı Koçman University  
**Faculty:** Faculty of Medicine/ **Program:** English Program  
**Academic Year:** 2022-2023  
**Phase:** ...3./ **Comitee 1** ( .....)  
**Course Code:** 3100 / **ECTS:** 10 / **T+U+L:**  
**Course Type :** Compulsory/ **Course Length :** 6 weeks/ **Type of Teaching :** Formal/ **Language of Instruction :** English

Clinical Biochemistry (MED 3001)

Theoretical:

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

Family Medicine (MED 3004)

Theoretical:

1. Doctor-Patient Communication and History taking in Geriatric Patients (1hours)
2. Doctor-Patient Communication -I (2hours)
3. Doctor-Patient Communication-2 (1hours)
4. History Taking (1hours)

General Surgery (MED 3009)

Theoretical:

1. Asepsia, Antisepsia, Disinfection, Sterilization (1hours)
2. Surgical infections, definitions, risk factors and surgical wounds (1hours)

Hyperbaric Medicine (MED 3009)

Theoretical:

1. Hyperbaric Oxygen for the Treatment of Severe Infections (1hours)
2. Hyperbaric Oxygen Treatment (1hours)

Medical Genetics (MED 3009)

Theoretical:

1. Approach to Familial Cancer Syndromes (1hours)
2. Clinical Genetics (1hours)
3. Dysmorphology (2hours)

Medical Microbiology (MED)

Theoretical:

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

**Medical Pathology (MED 3002)**

**Theoretical:**

1. Apoptosis, Intracellular Depositions, Calcifications (2hours)
2. Autoimmune diseases 1 (1hours)
3. Autoimmune diseases 2 (1hours)
4. Carcinogenesis (2hours)
5. Cell injury, adaptation and necrosis 1 (1hours)
6. Cell injury, adaptation and necrosis 2 (1hours)
7. Environmental and nutritional disorders (2hours)
8. Hemodynamic disorders (2hours)
9. Hypersensitivity Reactions 1 (1hours)
10. Hypersensitivity Reactions 2 (1hours)
11. Immune system and immune deficiencies (2hours)
12. Inflammation (2hours)
13. Introduction of pathology and the pathology laboratory (2hours)
14. Neoplasia (2hours)
15. Repair (2hours)

**Medical Pharmacology (MED 3011)**

**Theoretical:**

1. "Breaking the mould-The story of Penicillin" Film Screening (2hours)
2. Aminoglycosides (1hours)
3. Antiseptics and Disinfectants (1hours)
4. Cephalosporins (1hours)
5. Clinical Use of Antimicrobial Drugs (1hours)
6. Distribution (1hours)
7. Drug absorption (1hours)
8. Drug -Drug Interactions (2hours)
9. Drug receptor interactions (1hours)
10. Drugs & Dosage forms 1 (1hours)
11. Drugs & Dosage forms 2 (1hours)
12. Elimination (1hours)
13. Factors Affecting Drug Action (1hours)
14. Introduction to Chemotherapeutics (2hours)
15. Introduction to Pharmacology, Definition of drug (2hours)
16. Macrolides, Lincosamide, Streptogramins (2hours)
17. Mechanism of drug action (1hours)
18. Metabolism 1 (1hours)
19. Metabolism 2 (1hours)
20. Other beta-lactam antibiotics, polypeptide antibiotics (1hours)
21. Penicillins (1hours)
22. Plasmaconcentration- time curves (1hours)
23. Rational Antibiotic use (1hours)
24. Sulfonamides, Trimethoprim, Quinolones (2hours)
25. Tetracyclines, Amphenicols (1hours)
26. The Drug Development Process 1 (1hours)
27. The Drug Development Process2 (1hours)
28. Toxic Effects of Drugs, Introduction to Toxicology 2 (1hours)
29. Toxic Effects of Drugs, Introduction to Toxicology 1 (1hours)
30. Treatment of infectious diseases with case examples (1hours)

**Professional Skills (MED 3009)**

**Theoretical:**

1. History Taking /Simulated Patient (4hours)
2. History Taking/Bedside Practice (4hours)