

## COMMITTEE COURSE CONTENT

**University:** Muğla Sıtkı Koçman University

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

**Academic Year:** 2024-2025

**Phase:** ...3../ **Comitee 5** ( .....)

**Course Code:** 3500 / **ECTS:** 9 / **T+U+L:**

**Course Type :** Compulsory/ **Course Length :** 6 weeks/ **Type of Teaching :** Formal/ **Language of Instruction :** English

Clinical Biochemistry (MED3001)

Theoretical:

1. Biochemistry of CSF (1hours)
2. Biochemistry of Muscles (2hours)
3. Biochemistry of skeleton system (2hours)
4. Preanalytical phase (2hours)
5. Rational use of laboratory tests (2hours)

Clinical Skills (MED 3009)

Theoretical:

1. Neurology (1hours)
2. Neurology (1hours)
3. Orthopedics (1hours)
4. Orthopedics (1hours)
5. Psychiatry (1hours)
6. Psychiatry (1hours)
7. Radiology (1hours)
8. Radiology (1hours)
9. Neurology (1hours)
10. Neurology (1hours)
11. Orthopedics (1hours)
12. Orthopedics (1hours)
13. Psychiatry (1hours)
14. Psychiatry (1hours)
15. Radiology (1hours)
16. Radiology(1hours)

Medical Genetics (MED 3009)

Theoretical:

1. Genetic approach to skeletal dysplasias (2hours)
2. Genetics of muscle diseases (2hours)
3. Nervous system genetics (2hours)

Medical Pathology (MED 3002)

Theoretical:

1. CNS injury and vascular diseases of the CNS (2hours)
2. Congenital and metabolic diseases of the bone (2hours)
3. Congenital malformations of the CNS (1hours)
4. Degenerative and demyelinating diseases of the CNS (2hours)
5. Diseases of the joints (2hours)
6. Infectious diseases of the CNS (2hours)
7. Tumors of the bone (1hours)
8. Tumors of the cartilage (1hours)
9. Tumors of the CNS (2hours)
10. Tumors of the peripheral nerve sheath (1hours)
11. Tumors of the soft tissue (2hours)

<p><b>Medical Pharmacology (MED 3011)</b></p> <p><b>Theoretical:</b></p> <ol style="list-style-type: none"> <li>1. Antipsychotic Agents (2hours)</li> <li>2. Antiseizure Drugs (2hours)</li> <li>3. Drug therapy of depression and anxiety disorders (2hours)</li> <li>4. Drugs of abuse and drug addiction (2hours)</li> <li>5. General and Local Anesthetics-1 (1hours)</li> <li>6. General and Local Anesthetics-2 (1hours)</li> <li>7. General and Local Anesthetics-3 (1hours)</li> <li>8. Introduction to the Pharmacology of CNS Drugs (1hours)</li> <li>9. Neuromediators and neurotransmitters (1hours)</li> <li>10. Opioid analgesics and antagonists (2hours)</li> <li>11. Pharmacologic Management of Parkinsonism and Other (2hours)</li> <li>12. Sedative-Hypnotic Drugs (1hours)</li> <li>13. Serotonin, agonists, antagonist and treatment of migraine (2hours)</li> <li>14. Skeletal Muscle Relaxants (1hours)</li> <li>15. The Alcohols(1hours)</li> </ol>
<p><b>Neurology (MED)</b></p> <p><b>Theoretical:</b></p> <ol style="list-style-type: none"> <li>1. Approach to a Headache Patient (1hours)</li> <li>2. Approach to a Stroke Patient (2hours)</li> <li>3. Approach to an Epilepsy Patient (1hours)</li> <li>4. Dementia (1hours)</li> <li>5. Movement Disorders (1hours)</li> <li>6. Multiple Sclerosis and other demyelinating diseases (1hours)</li> <li>7. Neurological Examination (2hours)</li> <li>8. Neuromuscular diseases (2hours)</li> <li>9. Status Epilepticus(1hours)</li> </ol>
<p><b>Neurosurgery (MED 3009)</b></p> <p><b>Theoretical:</b></p> <ol style="list-style-type: none"> <li>1. Clinical findings and diagnosis in congenital and degenerative spinal diseases (1hours)</li> <li>2. Diagnosis and management of cerebral hemorrhages and vascular pathologies (1hours)</li> <li>3. Diagnosis and management of intracranial tumors (1hours)</li> <li>4. Physical examinations in neurosurgery patients, increased ICP and herniation syndromes (1hours)</li> </ol>
<p><b>(OrthopedicsMED 3009)</b></p> <p><b>Theoretical:</b></p> <ol style="list-style-type: none"> <li>1. Bone Tumors (1hours)</li> <li>2. Characteristics of Pediatric Fractures (1hours)</li> <li>3. Degenerative Joint Diseases (1hours)</li> <li>4. Disorders of Hand and Upper Extremity (1hours)</li> <li>5. Fracture Healing (1hours)</li> <li>6. Introduction to Fractures (1hours)</li> <li>7. Musculoskeletal Infections (1hours)</li> <li>8. Open Fractures (1hours)</li> <li>9. Orthopedic Terminology (1hours)</li> <li>10. Pediatric Hip Disorders (1hours)</li> </ol>
<p><b>Psychiatry (MED 3009)</b></p> <p><b>Theoretical:</b></p> <ol style="list-style-type: none"> <li>1. Anxiety disorders (1hours)</li> <li>2. Dependence disorders (1hours)</li> <li>3. Mood disorders (1hours)</li> <li>4. Obsessive compulsive disorders, impulse control disorders (1hours)</li> <li>5. Personality disorders (1hours)</li> <li>6. Psychiatry, Psychopathology, Mental status examination (1hours)</li> <li>7. Psychotic disorders: Types, symptoms (1hours)</li> <li>8. Sexual identity and sexual dysfunctions (1hours)</li> </ol>

**9. Sleep disorders, Eating disorder(1hours)**

**Radiology (MED 3009)**

**Theoretical:**

- 1. Nervous System Radiology (1hours)**
- 2. Radiology of musculoskeletal system(1hours)**