

COMMITTEE COURSE CONTENT

University: Muğla Sıtkı Koçman University
Faculty: Faculty of Medicine/ **Program:** English Program
Academic Year: 2020-2021
Phase: ...3./ **Comitee 2** (Circulatory and Respiratory Systems)
Course Code: 3200 / **ECTS:** 9 / **T+U+L:**
Course Type : Compulsory/ **Course Length :** 6 weeks/ **Type of Teaching :** Formal/ **Language of Instruction :** English

Biophysics (MED3009)

Theoretical:

1. Computed Tomography and Magnetic Resonance (2hours)
2. Imaging Method Based on Radiotherapy and Radioactivity (1hours)
3. PET and Gamma Camera (1hours)
4. Ultrasound, Doppler and Echocardiogram(1hours)

Cardiology (MED 3009)

Theoretical:

1. Acute Coronary Syndromes (2hours)
2. Atherosclerosis and Risk Factors (1hours)
3. Basic ECG & Arrhythmias (2hours)
4. Diagnostic Methods in Cardiology (1hours)
5. General Signs and Symptoms in Cardiovascular Diseases (1hours)
6. Heart Failure (2hours)
7. Hypertension (1hours)
8. Pericarditis, myocarditis (1hours)
9. Physical Examination of the Cardiovascular System (1hours)
10. Stabil coronary artery diseases and angina pectoris (2hours)
11. Valvular Heart Diseases (2hours)

Chest Diseases (MED 3009)

Theoretical:

1. Asthma (1hours)
2. Chronic Obstructive Lung Diseases (1hours)
3. Diagnostic methods in Chest Diseases (2hours)
4. interstitial lung diseases (1hours)
5. Lung cancer (1hours)
6. Physical examination of the chest (1hours)
7. Pleural diseases (1hours)
8. Pneumonia (1hours)
9. Pulmonary embolism (1hours)
10. Symptoms in Chest Diseases (1hours)
11. Tuberculosis(1hours)

Clinical biochemistry (MED 3001)

Theoretical:

1. Biochemistry of Acute Coronary syndrome (2hours)
2. Molecular tests in Thromboembolia (2hours)
3. Plasma Proteins & Protein electrophoresis (2hours)

Clinical microbiology (MED 3007)

Theoretical:

1. Evaluation of laboratory diagnosis and results in cardiac infections and evaluation of results (2hours)
2. Evaluation of laboratory diagnosis and results in septicemia cases (2hours)
3. Laboratory diagnosis of upper and lower respiratory tract infections and evaluation of results (2hours)

Clinical Skills (MED)**Theoretical:**

1. 1. Cardiology (4hours)
2. 2. Chest Diseases (4hours)
3. 3. ENT (4hours)
4. 4. Cardiovascular surgery (4hours)

ENT Diseases (MED 3009)**Theoretical:**

1. Clinical Anatomy and Physiology of the Upper Respiratory Tract (1hours)
2. ENT Examination Methods (2hours)
3. Infections of ENT region (1hours)
4. Surgical Pathology and Imaging in ENT(1hours)

Medical Genetics (MED 3009)**Theoretical:**

1. Current Genetic Therapies (1hours)
2. Genetic changes observed in metabolic diseases (1hours)
3. Genetics of CVS diseases (1hours)
4. Genetics of Cystic Fibrosis (1hours)
5. Virus Genetics(1hours)

Medical Pathology (MED 3002)**Theoretical:**

1. Atherosclerosis (2hours)
2. Cardiomyopathies (1hours)
3. Chronic obstructive lung diseases (1hours)
4. Heart transplantation and tumors of the heart (1hours)
5. Hypertensive heart diseases (1hours)
6. Ischemic heart diseases (2hours)
7. Lesions of the upper respiratory tractus (2hours)
8. Lung tumors (1hours)
9. Pericardial diseases (1hours)
10. Pleural diseases (1hours)
11. Pulmonary infections (2hours)
12. Restrictive lung diseases (1hours)
13. Skin cyst and tumors (2hours)
14. Vasculitis and aneurysms (2hours)
15. Venous-lymphatic diseases and tumors(1hours)

Medical Pharmacology (MED 3011)**Theoretical:**

1. Agents Used in Cardiac Arrhythmias (2hours)
2. Antianginal drugs (1hours)
3. Antifungal Drugs (2hours)
4. Antihypertensive Agents (3hours)
5. Antimycobacterial drugs (1hours)
6. Antiplatelet, Anticoagulant, and Fibrinolytic Drugs (3hours)
7. Antiviral Drugs (1hours)
8. Autocoids (1hours)
9. Histamine and histaminic drugs (1hours)
10. Hypolipidemic drugs (2hours)
11. Introduction to Autonomic Pharmacology (2hours)
12. Medications used to heart failure (2hours)
13. Mucolytic, expectorant and antitussif drugs (2hours)
14. Nicotine And Ganglion Stimulating Agents (1hours)
15. Nitricoxide (1hours)
16. Parasympathomimetics and parasympatholytics (2hours)
17. Parasympathomimetics and parasympatholytics (1hours)
18. Peripheral vasodilators (1hours)
19. Prostaglandin and other cyclooxygenase inhibitors (1hours)

<p>20. Sympathomimetics And Adrenoreceptor Blockers (3hours)</p> <p>21. Symptomathic treatment of UBTI (1hours)</p> <p>22. Treatment of bronchial asthma and COPD (2hours)</p> <p>23. Vasoactive peptides(1hours)</p>
<p>Pediatric surgery (MED 3009)</p> <p>Theoretical:</p> <ol style="list-style-type: none"> 1. Congenital anomalies of respiratory system-Forcign body aspiration (2hours) 2. Examination of cardiovascular system (2hours) 3. Examination of respiratory system(1hours)
<p>Professional Skills (MED 3009)</p> <p>Theoretical:</p> <ol style="list-style-type: none"> 1. 1 - Peripheral vascular examination (10hours) 2. 2- Cardiovascular system examination (10hours) 3. 3- Respiratory System Examination (10hours) 4. 4- Ear, Nose and Throat Examination (10hours) 5. 5 - Pediatric Cardiovascular System and Respiratory System examination (10hours)
<p>Radiology (MED 3009)</p> <p>Theoretical:</p> <ol style="list-style-type: none"> 1. Respiratory system radiology
<p>Undersea and Hyperbaric Medicine (MED 3009)</p> <p>Theoretical:</p> <ol style="list-style-type: none"> 1. Hyperbaric Oxygen Applications for Peripheral Vascular Diseases