

<b>Subject</b>	Internal medicine and dermatology and sexual transmitted disease
<b>Program of studying</b>	Three years of professional study for graduate physiotherapists
<b>Code</b>	SF-217
<b>Academic year</b>	Second
<b>Semester</b>	Third
<b>Total classes</b>	95
<b>Credits</b>	6
<b>Type the subject</b>	Mandatory
<b>Preconditions</b>	Fulfilled condition for enrollment in second year
<b>Performed</b>	Clinic of Internal Medicine
<b>Professor in charge</b>	ass. prof. d-r Meri Trajkovska, prof. d-r Nada Petrova
<b>Address</b>	Department of Internal Medicine Vodnjanska 17, 1000 Skopje tel: +389 2 3147 114 e-mail: meritrajkovska@yahoo.com
<b>Key words</b>	Studies for physiotherapists, basic subjects, internal medicine, dermatology
<b>Goals of studying</b>	To learn about specific diseases in the field of internal medicine and dermatology and its modern diagnostic and therapeutic approaches To obtain the ability of applying in practice the learned theoretical knowledge
<b>Summary</b>	<p><b>Theoretical Studies (80 hours)</b></p> <p><b>Cardiology (20 hours)</b></p> <ul style="list-style-type: none"> <li>• Approach to a patient (medical history, fiscal examination, diagnostic procedures)</li> <li>• Risk factors for CAD</li> <li>• Coronary arterial disease (CAD)</li> <li>• Heart failure</li> <li>• Disturbance of the rhythm and transition</li> <li>• Sudden heart death</li> <li>• Congenital and acquired heart defect, endocarditis</li> <li>• Diseases of the myocardium and pericardium</li> <li>• Cardiomyopathies</li> <li>• Circular disorders</li> <li>• Cardiovascular pharmacotherapy</li> </ul> <p><b>Pulmology (20 hours)</b></p> <ul style="list-style-type: none"> <li>• Approach to a patient (medical history, fiscal examination, diagnostic procedures)</li> <li>• Lung functional testing</li> <li>• Acute and chronic bronchitis</li> <li>• Emphysema</li> <li>• Bronchiectasis</li> <li>• COPD</li> <li>• Asthma</li> <li>• Diseases of the lung parenchyma</li> <li>• Tumors</li> <li>• Diseases of pleura</li> <li>• Respiratory failure</li> <li>• Pharmacotherapy</li> </ul>

**Rheumatology (20 hours)**

- Approach to a patient (medical history, physical examination, diagnostic procedures)
- Rheumatic fever
- Ankylosing spondylitis
- Other arthritis
- Systemic diseases of connective tissue
- Degenerative rheumatic diseases
- Metabolic disorders
- Von Ziegler rheumatism???

**Endocrinology (4 hours)**

- Approach to a patient (medical history, physical examination, diagnostic procedures)
- Diabetes mellitus and its complications
- Diseases of the thyroid gland

**Gastroenterohepatology (4 hours)**

- Approach to a patient (medical history, physical examination, diagnostic procedures)
- Diseases of the stomach and intestines
- Diseases of the liver and the bile tract

**Nephrology (3 hours)**

- Approach to a patient (medical history, physical examination, diagnostic procedures)
- Acute and chronic infections of the urinary tract
- Acute and chronic renal failure

**Hematology (3 hours)**

- Approach to a patient (medical history, physical examination, diagnostic procedures)
- Anemia
- Leukemia

**Toxicology (1 hour)**

- Approach to a patient (medical history, physical examination, diagnostic procedures)
- Intoxications with drugs

**Dermatology and sexual transmitted disease (5 hours)**

- Skin diseases caused by microorganisms (bacteria, viruses, fungi)
- Reactive and allergic disease of skin
- Physical and chemical influences on skin?, photodermatosi
- Benign and malignant diseases of skin
- Skin diseases in children

**Practice (cardiology, pulmonology, rheumatology 5 hours = 15)**

Practice approach to patient

Organization	Theoretical classes 80 hours Practice 15 hours	
Learning methods	Interactive lectures, practice	
Predicted results	<b>Knowledge and understanding</b> The student will be acquired with the knowledge and understanding of the most frequent health problems in patients with internal disease <b>Clinical skills</b> The student will be able to apply the acquired theoretical knowledge in practice.	
Specific recommendations for teaching	The Student will be obliged to actively monitor all the necessary activities, including participation in ongoing knowledge checks to get a signature.	
	<b>Scoring the student activities</b>	
	<b>Type of activity</b>	<b>Scores</b>
	Theory	7.5-15
	Practice	7.5-15
	Ongoing knowledge checks (2)	45-70
	Total	60-100
	Presence on theoretic lectures 51% - 60% - 7.5 points; 61% - 70% - 9.5 points; 71% - 80% - 12 points; 81% - 90% - 13 points; 91% -100% - 15 points.	
	Practical course (80 hours): every class worth 1 point (5 classes) presence - 0.5 points activity - 0.5 points	
	<b>Continuous knowledge checks (tests)</b> The student is required to regularly attend theoretical and practical teaching so he/she can approach continuous knowledge checks. The knowledge checks are in written form (multiple-choice test). The student must take the test; otherwise he/she will not acquire the right of the signature at the end of the semester. The student is obligated to win a minimum score (60%) on the two knowledge checks with which he/she acquires the right to form the final score. If the student passes one of the two tests he/she can take the final exam. If the student does not pass both tests, he/she has no right to take the final exam.	
<b>Final exam</b> There is none. If the student passes both test the overall assessment is made.		
<b>Kompleten Final exam?</b> The student can take the final exam if he/she did not win minimum score (60%) on one of the two tests. The exam contains a test that he/she did not pass. If the student does not pass the test he/she has not got the right for assessment of the overall exam.		
<b>Establishing full assessment ??</b> Assessment of the overall exam is obtained according to the table estimates, based on the sum of points from all activities, including the continuous knowledge checks.		
<b>Part-time students</b> It is performed 40% of the predicted theoretical lectures. The exam is conducted in		

exam sessions and includes:

- multiple-choice test: internal medicine + dermatology + infective diseases

Assessment of the overall exam is obtained according to the table estimates, based on the sum of points from all activities.

### **Textbooks**

#### **Basic:**

Selected chapters V. Serafimovski Internal Medicine, editor. Kumanovo: Macedonian Treasury, 2003

Selected chapters A. Aleksandar, ? Gočev, Lj. Pavlova, N. Petrova.

Dermatovenerology, Culture, Skopje, 2005

M. Vlckova-Laskova and A. Starova. Clinical dermatovenerology with practicum for students and doctors, HIB Dresco, Skopje, 2000

Authorized lectures from the Chair.