



DISCIPLINE SHEET

1. Data about the programme

1.1.	“CAROL DAVILA” UNIVERSITY OF MEDICINE AND PHARMACY
1.2.	FACULTY OF MEDICINE
1.3.	DEPARTMENT : CLINICAL DEPARTMENT I
1.4.	DISCIPLINE : MEDICAL SEMIOLOGY – ECH SF. PANTELIMON BUCHAREST
1.5.	DOMAIN OF STUDY: HEALTH – Sectorally regulated within the European Union
1.6.	STUDY CYCLE: LICENCE
1.7.	STUDY PROGRAME: MEDICINE – ENGLISH MODULE

2. 2. Data about discipline

2.1.	Name of the discipline in the educational plan: MEDICAL SEMIOLOGY				
2.2.	Discipline code: DD III 1S5M / DD III 1S6M				
2.3.	Discipline type (FD/SD/CD): SD				
2.4.	Discipline regimen (MD/OPD/): MD				
2.5.	The holder of the course activities: 1. SL Dr. Nechita Alexandru Cristian 2. SL Dr. Popescu Monica 3. SL Dr. Baluta Monica Mariana				
2.6.	The holder of the seminar activities : 1. SL Dr. Nechita Alexandru Cristian 2. SL Dr. Popescu Monica 3. SL Dr. Baluta Monica Mariana 4. Asist. Univ. Dr. Andronescu Anna-Maria 5. Asist. Univ. Dr. Dumitraşcu Alina Laura 6. Asist. Univ. Dr. Țiglea Isabela Andreea 7. Asist. Univ. Dr. Enache Vasilica 8. Asist. Univ. Dr. Avram Rodica Lucia 9. Asist. Univ. Dr. Diaconu Mara 10. Asist. Univ. Dr. Popescu Dan Cristian				
2.7. Year of study	2025-2026	2.8. Semester	V and VI	2.9. Type of evaluation (E/C)	Exam

3. Total estimated time (hours/semester of didactic activity an self preparation/study

I. Academic training (teaching, practical application, assessment)						
3.1. Nr hours/week	6	From which:	3.2. lecture	2	3.3. seminary/ laboratory	4
3.4. Total hours of educational plan	168	From which:	3.5. lecture	56	3.6. seminary/ laboratory	112
Evaluation (nr. of hours) : 3.6 hours (90 minutes- written exam and 20 minutes- practical exam / semester)						
II. Self preparation/study						

Time allocation		hours
Study of course materials, textbooks, books, study of the recommended minimal bibliography		50
Additional research in the library, research through the internet		30
Performing specific activities for preparing projects, laboratories, elaborating reviews or other tasks		20
Specific preparation activities for projects, laboratory work, assignments, and reports		20
Tutoring		10
Other activities		2
3.7. Total individual study hours		132
3.9. Total hours per semester (3.4.+ 3.7.)	300/year , 150 hours/semester	
3.10. Number of credits	10	

4. Preconditions (where applicable)

4.1. of curriculum	Fundamental knowledge of preclinical, anatomy, physiology, pathophysiology
4.2. of competences	Not the case.

5. Conditions (where applicable)

5.1. to conduct the lecture	Saint Pantelimon Emergency Clinical Hospital, Pantelimon sos, no. 340—342, sect 2, 6th floor, amphitheater, laptop, video projector, interactive whiteboard , PowerPoint presentations.
5.2. to conduct the seminar / laboratory	Saint Pantelimon Emergency Clinical Hospital, Pantelimon sos, no. 340—342, section 2, 4th floor, Internal Medicine - Cardiology Clinic

6. Learning outcomes

Knowledge	Skills	Responsibility and autonomy
The student recognizes, evaluates and classifies the signs and symptoms associated with different pathological conditions, using semiological principles, for a correct understanding of the diagnostic process.	The student demonstrates, applies and correctly interprets clinical examination methods and techniques to formulate a diagnosis.	The student develops and coordinates clinical examination activities, proposes and assumes clinical diagnosis based on the principles of semiology.

7. Course objectives (aligned with the learning outcomes)

7.1. General objective	Developing the ability to systematically examine the patient clinically and interpret signs and symptoms for diagnostic guidance.
7.2. Specific objective	Recognition of general and specific symptoms of various organs and systems. Development of practical skills for objective examination of the patient. Understanding the correlation between clinical data and the orientation diagnosis. Correct application of semiological terminology.

8. Contents

8.1. Course	Teaching methods	Observations
Course 1 Introductory Course – Generalities	PPT presentation	2h
Course 2 Terminology, sensitivity, specificity, predictive value Symptom – Sign – Syndrome – Disease – Diagnosis	PPT presentation	2h
Course 3 General symptoms and specific symptoms Anamnesis. General physical examination	PPT presentation	2h
Course 4 Height and weight changes. Skin examination. Basic skin lesions Semiology of the sebaceous and sweat glands Semiology of subcutaneous tissue	PPT presentation	2h
Course 5 Neuropsychiatric examination. Semiology of the locomotor system (bones, muscles, joints)	PPT presentation	2h
Lecture 6 Semiology of the lymph node system . Paraneoplastic syndromes. Semiology of the spleen and splenomegaly syndrome	PPT presentation	2h
Lecture 7 Semiology of the lymphoreticular system and the white blood cell series Acute and chronic leukemia syndrome. Myelodysplastic syndrome, myeloproliferative syndrome and monoclonal gammopathies. Hodgkin's disease and non-Hodgkin's lymphomas.	PPT presentation	2h
Lecture 8 Semiology of the erythrocyte series. Anemic syndrome Semiology of hemostasis. Hemorrhagic syndrome. Bone marrow failure syndrome	PPT presentation	2h
Course 9 Semiology of the respiratory system. Specific anamnesis and major symptoms of the respiratory system. Objective examination of the respiratory system	PPT presentation	2h
Course 10 Complementary investigations of the respiratory system. Pulmonary condensation syndrome	PPT presentation	2h
Course 11 Bronchial syndrome Cavity syndrome	PPT presentation	2h
Course 12 Pleural syndrome Mediastinal syndrome	PPT presentation	2h
Lecture 13 Respiratory failure. Interstitial pulmonary syndromes. Sleep apnea syndrome	PPT presentation	2h
Course 14 – Review - Test – Current Affairs	PPT presentation	2h
Semester II		
Course 1 Specific history and major symptoms of the cardiovascular system. Objective examination of the cardiovascular system	PPT presentation	2h
Course 2 Electrocardiographic exploration. Echocardiographic exploration. Radiological exploration of the cardiovascular system. Other non-invasive explorations of the cardiovascular system. . Nuclear exploration. Mechanocardiogram Cardiac catheterization	PPT presentation	2h
Course 3 Mitral stenosis. Mitral insufficiency. Aortic stenosis	PPT presentation	2h

Aortic insufficiency. Cardiomyopathic syndrome. Endocarditis		
Course 4 Myocardial Ischemia Syndrome Left ventricular failure syndrome Right ventricular failure syndrome Pulmonary hypertension syndrome	PPT presentation	2h
Course 5 Pericarditis. Arrhythmias. Arterial hypertension	PPT presentation	2h
Course 6 Pulmonary thromboembolism Semiology of the venous system. Complementary methods of investigation of the venous system. Venous occlusion syndrome of the lower limbs. Semiology of peripheral arterial diseases . Peripheral ischemic syndrome	PPT presentation	2h
DIGESTIVE SYSTEM Course 7 Semiology of the digestive system – Objective exam	PPT presentation	2h
Lecture 8 Semiology of the oral cavity and pharynx Semiology of the esophagus and esophageal syndrome Semiology of the abdomen Semiology of the stomach and duodenum	PPT presentation	2h
Lecture 9 Semiology of the intestine. Diarrhea syndrome Malabsorption syndrome. Constipation syndrome Anorectal syndrome. Acute peritoneal syndrome	PPT presentation	2h
Lecture 10 Semiology of the liver Liver exploration	PPT presentation	2h
Course 11 Ascites syndrome. Icteric syndrome. Portal hypertension syndrome. Liver failure syndrome Liver cirrhosis syndrome	PPT presentation	2h
Course 12 Semiology of the gallbladder and biliary tract. Semiology of the exocrine pancreas. Semiology of the endocrine pancreas	PPT presentation	2h
RENO-URINARY SYSTEM Course 13 Specific history and symptoms of the reno-urinary system. Objective examination of the reno-urinary system Urine examination. Functional exploration of the reno-urinary system. Imaging exploration of the reno-urinary system Nephrological signs. Renal edema. Nephrogenic arterial hypertension	PPT presentation	2h
Course 14 Acute nephritic syndrome. Chronic nephritic syndrome Nephrotic syndrome. Nephrotic nephritic syndrome Tubulo-interstitial nephropathies. Acute kidney injury Chronic renal failure	PPT presentation	2h
Recent Bibliography Medical Semiology – vol. I and II – 2018 Edition – Coordinator Prof. Dr. Ion Dina. <i>Optional bibliographic materials:</i> Medical semiology – Viorel Gligore; Medical Semiology – Ion Bruckner; Medical Semiology - Dan Georgescu;		

Medical Semiology in Clinical Scenarios - Ion Dina;
 Physical Diagnosis – B. Bates;
 Bedside Diagnosis – David Smith;
 Clinical Medicine - Kumar&Clark, English and Romanian Edition;
 Internal medicine treatise – Camelia Diaconu;
 Medical semiology. Course notes - elements of general, respiratory, cardiovascular, dermatological, neurological, otorhinolaryngological and ophthalmological semiology – Dr. D. Dragoş
 Medical semiology. Lecture notes - elements of digestive, renal, rheumatological, hematological semiology - Dr. D. Dragoş
 Multiple choice questions of Medical Semiology with elements of morphopathology and pathophysiology Semiology of the respiratory system – 2nd edition Dr. D. Dragoş
 Multiple choice questions of Medical Semiology with elements of morphopathology and pathophysiology Semiology of the cardiovascular system – 2nd edition – Dr. D. Dragoş
 Multiple choice questions on medical semiology (with elements of morpho- and physiopathology) – Digestive and hematological semiology - Dr. D. Dragoş
 Multiple choice questions of Medical Semiology with elements of morphopathology and pathophysiology - General, cardiovascular, respiratory and digestive semiology - Dr. D. Dragoş
 Multiple choice questions of Medical Semiology with elements of morpho- and physiopathology - General, dermatological, neurological and rheumatological semiology - Dr. D. Dragoş
 Multiple choice questions of Medical Semiology with elements of morphopathology and pathophysiology. Semiology of the Renourinary System - Dr. D. Dragoş
 Kasper DL, Fauci AS, Hauser SL, Longo DL, Jameson JL, Loscalzo J – Harrison's Principles of Internal Medicine 19th --> 22th ed.

NB The PPT format of the course and its content are specific attributes of the course holder, they may contain additional medical information, examples or clinical scenarios that are not found in the mandatory or optional bibliography.

8.2. Laboratory/ practical lesson	Teaching methods	Observations
Semester I		
Lp 1 Anamnesis technique, collection of personal data, risk factors and living and working conditions.	Practical internship	2h
Lp 2 Systematic presentation of immediate and distant history according to pathology. Anamnesis in special conditions.	Practical internship	2h
Lp 3 General clinical examination – vital signs, general condition. Evaluation of fever curves. Evaluation of pain	Practical internship	2h
Lp 4 Technique of examining the patient as a whole. Identification of pathological changes and examination in special conditions.	Practical internship	2h
Lp 5 Primary cutaneous lesions	Practical internship	2h
Lp 6 Secondary skin lesions. Hyperpigmentation, depigmentation.	Practical internship	2h
Lp 7 Hair and nail examination	Practical internship	2h
Lp 8 Pathological changes associated with the sebaceous and sweat glands	Practical internship	2h
Lp 9 Types of edema. Changes in subcutaneous tissue	Practical internship	2h
Lp 10 Examination of superficial lymph nodes – pathological aspects.	Practical internship	2h
Lp 11 Clinical examination of joints – normal and pathological mobility	Practical internship	2h

Lp 12 Muscle examination - other aspects of musculoskeletal examination	Practical internship	2h
Lp 13 General assessment of the patient with respiratory distress	Practical internship	2h
Lp 14 Cough. Expectoration. Pain.	Practical internship	2h
Lp 15 Inspection, palpation and percussion of the respiratory system	Practical internship	2h
Lp 16 Auscultation of the respiratory system	Practical internship	2h
Lp 17 Condensation syndromes: retractions and non-retractions - introduction	Practical internship	2h
Lp 18 Condensation syndrome – particular conditions	Practical internship	2h
Lp 19 Bronchial obstructive syndrome – signs, symptoms and evaluation technique. Pathophysiological data.	Practical internship	2h
Lp 20 COPD and bronchial asthma	Practical internship	2h
Lp 21 Pleural syndromes	Practical internship	2h
Lp 22 Interstitial pleural syndromes and pneumothorax.	Practical internship	2h
Lp 23 Practical anatomy data of the mediastinum; Mediastinal syndromes;	Practical internship	2h
Lp 24 Acute respiratory failure - clinical aspects	Practical internship	2h
Lp 25 Acute respiratory failure - interpretation of laboratory data in the context of respiratory syndromes	Practical internship	2h
Lp 26 Correlation of symptoms with objective examination and pathological examination	Practical internship	2h
Lp 27 General semiology recap	Practical internship	2h
Lp 28 Respiratory system semiology recap	Practical internship	2h
Semester II		2h
Lp 1 Technique of taking anamnesis of the patient with cardiovascular diseases	Practical internship	2h
Lp 2 Cardiovascular symptoms. Chest pain. Dyspnea.	Practical internship	2h
Lp 3 Inspection, palpation and percussion	Practical internship	2h
Lp 4 Auscultation technique – physiological and pathological heart sounds on foci	Practical internship	2h
Lp 5 Murmurs and other pathological noises (clicks, gallops, pleural friction rubs)	Practical internship	2h
Lp 6 Valvular syndromes	Practical internship	2h
Lp 7 Aortic syndromes – peripheral artery examination technique	Practical internship	2h
Lp 8 Venous thrombosis, postthrombotic syndrome, chronic venous insufficiency.	Practical internship	2h
Lp 9 Arterial hypertension. Classification. Classical and modern measurement techniques (noninvasive and invasive). Orthostatic hypotension. Target organ damage	Practical internship	2h
Lp 10 Normal EKG. Left/right ventricular overload. Bundle branch blocks. Myocardial ischemia.	Practical internship	2h
Lp 11 Myocardial ischemic syndromes - general aspects. Integration of clinical data, EKG, biological, echocardiography, advanced imaging.	Practical internship	2h
Lp 12 Types of acute and chronic coronary syndromes. Evaluation features - practical example.	Practical internship	2h
Lp 13 Pericardial syndromes and pericardial effusions	Practical internship	2h

Lp 14 Cardinal signs and symptoms in cardiomyopathies and myocarditis – from the asymptomatic patient to sudden death.	Practical internship	2h
Lp 15 Rhythm and conduction disorders. Main arrhythmias (atrial fibrillation, TPSV, ventricular tachycardia)	Practical internship	2h
Lp 16 Clinical syndrome of heart failure: chronic and acute; right vs left; other particular forms;	Practical internship	2h
Lp 17 Digestive system symptoms	Practical internship	2h
Lp 18 Palpation, percussion and auscultation of the abdomen.	Practical internship	2h
Lp 19 Icteric syndrome classification. Hepatocellular insufficiency. Hepatic coma.	Practical internship	2h
Lp 20 Clinical upper and lower digestive syndromes.	Practical internship	2h
Lp 21 Hematological syndromes – anemia, leukemia, thrombocytopenia	Practical internship	2h
Lp 22 Technique of anamnesis of the patient with renal impairment	Practical internship	2h
Lp 23 Objective examination of the renal system. Examination of the bladder, kidneys, ureters – methods.	Practical internship	2h
Lp 24 Nephritic syndrome and nephrotic syndrome – causes, clinical manifestations, laboratory data.	Practical internship	2h
Lp 25 Acute and chronic renal failure.	Practical internship	2h
Lp 26 Cardiovascular system review. Integration of digestive and renal examination techniques.	Practical internship	2h
Lp 27 Digestive and renal system review. Integration of examination techniques.	Practical internship	2h
Lp 28 Final recap. Integration of techniques for examining the patient as a whole.	Practical internship	2h
Recent Bibliography Medical Semiology – vol. I and II – 2018 Edition – Coordinator Prof. Dr. Ion Dina. <i>Optional bibliographic materials:</i> Medical semiology – Viorel Gligore; Medical Semiology – Ion Bruckner; Medical Semiology - Dan Georgescu; Medical Semiology in Clinical Scenarios - Ion Dina; Physical Diagnosis – B. Bates; Bedside Diagnosis – David Smith; Clinical Medicine - Kumar&Clark, English and Romanian Edition; Internal medicine treatise – Camelia Diaconu; Medical semiology. Course notes - elements of general, respiratory, cardiovascular, dermatological, neurological, otorhinolaryngological and ophthalmological semiology – Dr. D. Dragoş Medical semiology. Lecture notes - elements of digestive, renal, rheumatological, hematological semiology - Dr. D. Dragoş Multiple choice questions of Medical Semiology with elements of morphopathology and pathophysiology Semiology of the respiratory system – 2nd edition Dr. D. Dragoş Multiple choice questions of Medical Semiology with elements of morphopathology and pathophysiology Semiology of the cardiovascular system – 2nd edition – Dr. D. Dragoş Multiple choice questions on medical semiology (with elements of morpho- and physiopathology) – Digestive and hematological semiology - Dr. D. Dragoş Multiple choice questions of Medical Semiology with elements of morphopathology and pathophysiology - General, cardiovascular, respiratory and digestive semiology - Dr. D. Dragoş		

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9. Evaluation

Activity type	9.1. Evaluation criteria	9.2. Evaluation methods	9.3. Percentage in the final grade
9.4. Lecture	Knowledge of the theoretical notions of medical semiology	Multiple choice exam, 25 simple complement, 25 multiple complement, representing the weight in the final grade written exam (50%), 3 free-answer questions, 10 points each (weight in the final grade 30%), one bonus point (weight in the final grade 20%). The correct answer to each question will be marked with 3 points for both the simple complement and the multiple complement.	70%
9.5. Seminary/ practical activity	-Anamnesis, objective examination, examination maneuvers; -Interpretation capacity clinical data and investigations in order to develop a diagnosis and a therapeutic plan;	The practical exam will be taken with the teaching staff or teachers established by the head of the discipline.	30%
9.5.1. Individual project (if applicable)	Presentation of a clinical case in PPT format, one case for each semester of study	Included in the practical exam	-
9.6. Minimum performance standard			
- The minimum passing score for the exam is 5 for each assessment test. - Obtaining a grade lower than 5 on any of the tests will result in failure to pass the exam.			

- A grade below 5 obtained in the first evaluation test cancels the student's right to participate in the next exam test.
- Participation in the exam is carried out according to the "Regulations of the student's professional activity", regulations developed in accordance with: "National Education Law no. 1/2011, with the following amendments and additions", the Charter of the " *Carol Davila*" *University of Medicine and Pharmacy* in Bucharest, other normative acts;

NB : The practical exam is a mandatory preliminary stage before the written test which constitutes the final exam.

**Date of completion :
29.09.2025**

Signature of the course holder:

1. SL Dr. Nechita Alexandru Cristian
2. SL Dr. Popescu Monica
3. SL Dr. Baluta Monica Mariana

Signature of the laboratory holder:

- 1.SL Dr. Nechita Alexandru Cristian
- 2 SL Dr. Popescu Monica.
- 3.SL Dr. Baluta Monica Mariana
- 4.Asist. Univ. Dr. Andronescu Anna-Maria
- 5.Asist. Univ. Dr. Dumitraşcu Alina Laura
- 6.Asist. Univ. Dr. Țiglea Isabela Andreea
- 7.Asist. Univ. Dr. Enache Vasilica
- 8.Asist. Univ. Dr. Avram Rodica Lucia
- 9.Asist. Univ. Dr. Diaconu Mara
- 10.Asist. Univ. Dr. Popescu Dan Cristian

**Date of approval by
the Department
Council:
16.09.2025**

**Signature of the Department Director
Prof. Univ. Dr. Dina Ion**