TITU MAIORESCU UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2020-2021

DISCIPLINE SHEET

Faculty	**MEDICINE**
Department	**Department of Medico-surgical and Prophylactic Disciplines**
Field of study	**HEALTH**
Cycle of studies	**Bachelor's degree**
Study program	**Medicine**

Name of the discipline	**INTERNAL MEDICINE. CARDIOLOGY**					
Teaching position, name and surname of the discipline holder	**PROF. UNIV. DR. IOAN ȚINTOIU**					
Teaching position, name and surname of the course holder	**PROF. UNIV. DR. IOAN ȚINTOIU**					
Teaching position, name and surname of the seminar holder / laboratory / clinical internship	**ASSOCIATE PROFESSOR LIVIU CHIRIAC, PHD** **S.L. DR. SILVIU DUMITRESCU**					
Code of Discipline	**MLE.4.7.1**	Formative category of the discipline		**DS**		
Year of study	**IV**	Semester*	**7**	Type of final assessment (**E, V**)		**E7**
The regime of discipline (O-o bligatorie, Op-op tion, F-f acultative)		**A**	Number of credits	**4**		

* *If the discipline has several semesters of study, a sheet is filled in for each semester*

Number of hours per week	**4**	of which classes:	**2**	clinical internship	**2**
Total hours of the curriculum	**56**	of which classes:	**28**	clinical internship	**28**
		Total hours per semester	**100**	Total hours of self-study	**44 4**

Distribution of the time fund	Hours
1. Deciphering and studying course notes	10
2. Study by textbook, course support	15
3. Study of the minimum bibliography indicated	5
4. Additional documentation in the library	5
5. Specific training activity SEMINAR and/or LABORATORY	0
6. Realization of themes, papers, essays, translations, etc.	0
7.Preparation of control works	0
8. Preparation of oral presentations	0
9. Preparation of the final examination	5
10. Consultations	2
11. Field documentation	0
12. Documentation on the Internet	2
13. Tutoring	0
14. Examinations	0

Course name	INTERNAL MEDICINE. CARDIOLOGY
Discipline-specific professional competences	Learning the specific maneuvers of examining the patient with cardio-vascular pathology. Interpretation of the EKG. Acute pumary edema: recognition, conduct in an emergency. Correct interpretation of laboratory examinations in the context of cardiological pathology. Assimilation of paraclinical diagnostic guidelines in cardiological diseases. Establishing the positive diagnosis, the differential diagnosis and the therapeutic scheme in cardiovascular pathology.
Transversal competences	Ability to analyze and synthesis Ability to organize Understanding Ability to evaluate and self-evaluate The ability to work in a team, The ability to have ethical behavior Diagnosis and therapy of the hospitalized patient
The general objective of the discipline	Theoretical and practical presentation of cardiological pathology, in order to acquire data on etiology, clinical pathogenesis, diagnosis and therapy of these diseases. Stimulating the capacities of analysis and synthesis, of understanding, evaluating and establishing opportunities for investigation and solving specific medical cases.
Discipline-specific objectives	Evaluation of the patient with cardiovascular disease; Recognition of signs of heart failure, therapeutic conduct; Acute pulmonary edema: recognition, conduct in an emergency; Acute coronary syndrome: conduct in an emergency; Acute myocardial infarction : early diagnosis; HTA evaluation, conduct in hypertensive emergencies; Deep vein thrombosis early diagnosis, anticoagulant treatment; Pleural fluid syndrome: recognition, conduct;

Course content – Syllabus	Nr. hours
Theme 1 Pulmonary hypertension and acute and chronic pulmonary heart	2
Theme 2 Acute joint rheumatism. Rheumatic carditis	1
Theme 3 Mitral, aortic, tricuspid and pulmonary valvulopations	2
Theme 4 Infectious endocarditis	2
Theme 5 Rhythm and driving disorders	2
Theme 6 Myocarditis. Dilated, hypertrophic and restrictive cardiomyopathy	2
Theme 7 Acute and chronic pericarditis. Tamponade of the heart and constriction Pericardiac	2
Theme 8 Congenital heart malformations	2
Theme 9 Cardio-vascular risk factors. Atherogenesis; Dyslipidemias	2
Theme 10 Angina pectoris, stable; Chronic ischemic heart disease Silent myocardial ischemia	2
Theme 11 Acute coronary syndromes: unstable angina; acute myocardial infarction	2
Theme 12 High blood pressure. Hypertensive emergencies	2
Theme 13 Heart Failure. Acute pulmonary edema	2
Theme 14 Diseases of the aorta and peripheral arteries. Venous thrombosis and chronic venous insufficiency	2
Theme 15 Diseases of peripheral veins	1
Total	28

Content of the clinical internship – Analytical syllabus	28
1. Drafting the observation sheet: representation of the main clinical parameters (temperature, pulse, TA, diuresis, etc.)	1
2. Blood collection for biochemical and hematological analysis: ESR, Quick time, clotting time, bleeding time, APTT, (technique, normal values, interpretation)	1
3. Knowledge of the normal values of the main hematological and biochemical constants (blood and urine) and interpretation of analysis bulletins in: hyperlipoprotenemia, inflammatory syndromes, metabolic diseases, hepatopathies and kidney diseases, urine, pleural fluid, pericardial, peritoneal)	1
4. Interpretation of microbiological analysis bulletins	1
5. Pericardiocentesis: indications, contraindications, method of knowing the technique, interpretation of results, follow-up of the patient.	1
6. Arterial puncture: indications, knowledge of technique.	1
7. Venous puncture (including puncture of the subclavian vein and internal jugular) indications, knowledge of the technique, interpretation of the result.	1
8. Oscillometry – knowledge of the technique and interpretation of the results	1
9. Interpretation of hematological analysis bulletins in anemias, leukosis, coagulation disorders.	1
10. Interpretation of an X-ray: heart,pulmon.	1
11. Interpretation of normal and pathological electrocardiograms (heart rate, electrical axis, hypertrophies, arrhythmias, AV and intraventricular conduction disorders, WPW and myocardial infarction) analysis and interpretation of stress tests.	1
12. Interpretation of an echocardiogram:	1
13. Cardiorespiratory rescucitation: external cardiac massage, mouth-to-mouth breathing, external electric shock, intracardiac injection, knowledge of drugs used in resuscitation, post-resuscitation conduct, resuscitator risks.	1
14. Electrical cardioversion: indications, preparation, electrical shock technique, complications, contradictions.	1
15. Carotid sinus massage: indications, contraindications, technique, interpretation of results.	1
16. Performing and indications of bleeding	1
17. Hemoculture: technical indications for harvesting, interpretation.	1
18. Writing a recipe	1
19. Recognition of signs of chronic heart failure, therapeutic conduct	1
20. Evaluation of the patient with acute pulmonary edema and emergency conduct	1
21. Conduct in front of an acute coronary syndrome	1
22. Early recognition of acute myocardial infarction and treatment in the prehospital phase	1
23. Diagnosis and treatment of angina pectoris	1
24. Initial evaluation of the hypertensive patient, diagnosis and emergency conduct in crisis in hypertensive crisis	1
25. Recognition of signs of deep vein thrombosis, indications and follow-up of anticoagulant treatment.	1
26. Acute arterial occlusion: early diagnosis, therapeutic conduct.	1
27. Diagnostic and treatment algorithm in paroxysmal rhythm disturbances.	1
28. Practical examination	1

Minimal bibliography

1. Harrison – Principles of Internal Medicine 14th edition, Teora Publishing House, Bucharest 2003
2. Right Heart Pathology. From Mechanism to Management. Dumitrescu Silviu-Ionel, Ţintoiu Ion C., Underwood Malcolm John, Springer Publishing House, 2018
3. Imaging in cardiac patients – volume VII, under the editorship of Carmen Ginghină, Medical Publishing House 2013
4. Ghid de Practică Medicală - vol. 2, Ed. Infomedica 2001
5. Treatise of Cardiology Vol. 1 and 2 under the editorship of Prof. C. Carp – Romanian Academy Publishing House, 2003
6. Braunwald – Treatise for Cardiovascular Diseases, Mast Publishing House,

2009
7. Certitudini în Cardiologia moderna ,Ed. Dobrogea Romania, 2001
8. Ischemic ventricular arrhythmias – electrophysiological aspects, L.Chiriac. Military Publishing House, Bucharest, 2009
9. Management of cardiovascular diseases - course vol. 1 (risk factors - prophylaxis, ischemic heart disease, cardiac transplantation, mitral valve) - Militara Publishing House, Bucharest, 1998
10. Course support taught

Corroborating the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the field of Health
The bibliography and the presentation materials of the courses are compatible with other presentations from the university centers in the country and the EU. The knowledge contained in the course materials covers all the chapters of the specific pathology, in accordance with the guides of good practice at national level and with the observance of the legislation in the field.

Mode of transmission of information	
Forms of activity	**Didactic methods used**
Course	Exposition of the study material in the form of a cycle of oral and graphic lectures processed through the Microsoft PowerPoint application. Presentations of clinical cases specific to the pathology taught at the course.
Clinical internship	Exposing and acquiring knowledge of the study material in the interactive framework specific to the clinic. Examination of cases with cardiovascular pathology, but also of other clinical cases in the field of internal medicine. Acquiring the necessary qualities for the correct examination of patients, requesting and correct interpretation of paraclinical investigations necessary to establish a correct diagnosis and therapeutic opportunities. Presentation of techniques of communication with patients and presentation of data according to the guidelines of good medical practice, respecting professional ethics and deontology.

Minimum performance standard - minimum scale of activities to be performed by the student:

- Drafting the observation sheet;
- Learning the basics of a complete clinical examination;
- Interpretation of hematological, biochemical and microbiological analysis bulletins;
- Interpretation of normal and pathological echocardiograms;
- Interpretation of imaging examinations (Rx, CT, MRI, etc.);
- Writing a recipe;
- Recognition of clinical signs of acute coronary syndromes and emergency conduct;
- Criteria for hospitalization in patients hypertension;
- Recognition of paroxysmal heart rhythm disorders and therapeutic conduct;
- Prompt diagnosis of EPA and emergency treatment.

When determining the final grade, account shall be taken of the	**Weighting in scoring, expressed in percentages (Total = 100%)**
- answers to the exam / verification (final evaluation)	**60%**
- final responses to practical laboratory work	**30%**
- periodic testing by control works / colloquia	**0**
- continuous testing during the semester	**10%**
- activities such as themes / papers / essays / translations / projects, etc.	**0**
- other activities,	**0**
Final evaluation:	

- **The practical test** will be held with one of the members of the department's team. This is performed for 20 minutes by performing anamnesis and clinical examination in a patient, on the basis of which the positive diagnosis is supported. The paraclinical results of the case are interpreted, following the student's ability to present the complications, the prognosis and to structure the treatment plan of the examined subject. The practical exam is marked from 1 to 10, the mark representing 30% of the final grade.
- **The written exam** consists of a grid test with 40-45 questions with a single or multiple answer, representing 60% of the final grade.

Minimum requirements for Note 5 (or how to award a grade of 5)	**Note 10 requirements** (or how to award a grade of 10)
• The student knows what are the main concepts; • The specialized language is simple, but correctly used; • Minimum grade 5 in the practical exam; • To satisfactorily solve a clinical case;	• The student knows and correctly uses the notions and concepts studied; • Solves correctly problems with a high degree of difficulty, based on correlations and connections; • He went through both the mandatory bibliography and the recommended additional one; • Minimum grade 8 in the practical exam; • It has a complex specialized language, through which it proves a good ability to express coherently and rationally the clinical data;

Date of completion
29.09.2020

Discipline holder,
PROF. UNIV. DR. IOAN ȚINTOIU

Course holder,

PROF. UNIV. DR. IOAN ȚINTOIU

Head of Department,
Associate Professor Ioan Ulmeanu, PhD

Holder of clinical internship,

ASSOCIATE PROFESSOR LIVIU CHIRIAC, PHD
S.L. DR. SILVIU DUMITRESCU

Date of approval in the department
30.09.2020

TITU MAIORESCU UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2020-2021

DISCIPLINE SHEET

Faculty	**MEDICINE**
Department	**Department of Medical-Surgical and Prophylactic Disciplines**
Field of study	**HEALTH**
Cycle of studies	**Bachelor's degree**
Study program	**Medicine**

Name of the discipline	**PSYCHIATRY**					
Teaching position, name and surname of the discipline holder	**Prof. Univ. Dr. Marian Gabriela**					
Teaching position, name and surname of the course holder	**Prof. Univ. Dr. Marian Gabriela**					
Teaching position, name and surname of the seminar holder / laboratory / clinical internship	**Prof. Univ. Dr. Marian Gabriela** **Head of Works Dr. Motoescu Eduard** **Assistant Professor Focseneanu Brindusa, PhD**					
Code of Discipline	**MLE.4.7.2**	Formative category of the discipline		**SS**		
Year of study	**IV**	Semester*	**7**	Type of final assessment (**E, V**)		**E7**
The regime of discipline (O-o bligatorie, Op-op tion, F-f acultative)		**A**	Number of credits	**4**		

** If the discipline has several semesters of study, a sheet is filled in for each semester*

Number of hours per week	**4**	of which classes:	**2**	seminar / laboratory / clinical internship	**2**
Total hours of the curriculum	**56**	of which classes:	**28**	seminar / laboratory / clinical internship	**28**
		Total hours per semester	**100**	Total hours of self-study	**44**

Distribution of the time fund	**Hours**
1. Deciphering and studying course notes	6
2. Study by textbook, course support	4
3. Study of the minimum bibliography indicated	5
4. Additional documentation in the library	2
5. Specific training activity SEMINAR and/or LABORATORY	2
6. Realization of themes, papers, essays, translations, etc.	4
7.Preparation of control works	7
8. Preparation of oral presentations	5
9. Preparation of the final examination	5
10. Consultations	0
11. Field documentation	0
12. Documentation on the Internet	0
13. Tutoring	2
14. Examinations	0

15. Other activities:	2
Course name	**PSYCHIATRY**
Discipline-specific professional competences	• At the end of the course the student must be able to: - to distinguish the psychopathological aspects that occur at the level of a psychic function or process from the disorders within them, but without a psychopathological significance (example: to be able to differentiate the usual forgetfulness from amnesia, the error of judgment from delirium, the sadness of depression, the joy of expansiveness, etc.) - to be able to distinguish globally whether the person under examination is normal or mentally ill - to be able to establish the positive and differential diagnosis of the main psychiatric disorders. - to know the main therapeutic behaviors adapted to mental disorders
Transversal competences	• demonstrate involvement in scientific activities, such as the elaboration of articles and specialized studies • awareness of the need for continuous professional improvement by training the thinking and practical skills specific to human psychology and psychopathology in order to adapt the professional competences to the dynamics of the social context • to participate in scientific projects, compatible with the requirements of integration into European education • to demonstrate respect for and development of professional values and ethics
The general objective of the discipline	• knowledge of the disorders occurred within the main psychic functions and processes • knowledge of the main causes (etiological suppositions) that disrupt different psychic functions and processes • knowledge of the general clinical picture of the main mental illnesses (internationally validated diseases) • the exact knowledge of the current names of these diseases established by the Experts of the World Health Organization (Geneva) and the synonyms
Discipline-specific objectives	• to understand the dynamics of pathological psychic processes • to formulate differential and positive diagnoses of the nosological categories studied • to manage psychiatric casuistry from the perspective of prevention, therapy and harmonious reintegration of the indivud in the community

Course content – Syllabus	28 hours
Course1. Semiology of perception, attention and memory **-Perception disorders**: Quantitative perception disorders (hypoaesthesia, hypoaesthesia, anesthesia) -Qualitative perception disorders (Illusions, hallucinosis, hallucinoids, functional hallucinations, psychic hallucinations, psychosensory hallucinations. Hallucinatory ways: auditory, visual, olfactory, gustatory, tactile, visceral, kinesthetic, transposed). **Disorders of mnesic function** -Quantitative disorders of memory (hypomnesia, hypermnesia, amnesia) Paramnesias (confabulations, pseudoreminiscent, ecmnesia, anecforia, cryptomnesia, false recognitions). **Disorders of prosexic function**: - Quantitative disorders (hypoprosexions, hyperprosexions)	2
Course 2. Semiology of thought, disorders of language and writing -Operational disorders (predominantly formal) of thinking -Motivational disorders (predominantly content) of thinking. -Psychopathological instances of ideation: the dominant idea, obsessive, prevalent, delusional.	2

-The thematic content of the delusional ideation. -Characteristics of delirium in the main nosographic entities. -Pathomorphosis of delusional ideation under cultural and psychosocial influences. -Disorders of expressive language (dyslalia), expressive-impression (dyslogii), impresiv (dysphasia). -Disorders of graphic expression.	
Course 3. Semiology of affectivity, imagination and expressive behavior Mood disorders: -Notional specifications and conceptual delimitations on the significance of some controversial notions: affect, affectivity, dysphoria, dysthymia, euphoria, hypothymia, hyperthymia, melancholy. - Depressive and expansive manifestations -Anxiety from a psychopathological perspective. -Phobic and obsessional phenomenology in the clinic. -Particular mood disorders (parathymia): affective inversion, affective ambivalent, affective indifference. -Semiology of imaginative-creative processes (simulation, metasimulation, overssimulation, parasymulation). -Semiology of expressive behavior (Disorders of clothing attire, mimic expression, tics and pantomimics).	2
Course 4. Semiology of volitional processes, psychomotricity and instincts -Semiology of will (Will as the regulating side of behavior and consciousness, disturbances of the "active" will and those of the "defensive" will"). -Semiology of activity (exacerbation, reduction and cancellation of motor activity, disorganization of motor conduct through neuronal lesions, neuroleptic parkinsonian syndrome). -Semiology of instincts -Auto- and heteroaggressive pulsational disorders: suicide, homicide, infanticide. -Pulsational sexual disorders, sexual preference (paraphilias): exhibitionism, pedophilia, sado-masochism, fetishism, voyeurism. -Nonsexual pulsational disorders: pyromania, kleptomania, tricotilomania, onychophagia, pathological gambling. -Pulsational sexual disorders (of sexual orientation): homosexuality, bisexuality. -Disorders of sexual identity (gender identity): transsexualism, transvestiteism.	2
Course 5. Disturbances of consciousness. and consciousness - Semantic delimitations of some notions with clinical implications: consciousness, consciousness, knowledge. - Disorders of allo and autopsychic orientation - Depesonalization and derealization from the perspective of pathology awareness - Disorders of consciousness from the neuropsychological perspective: obtuseness, hebetudine, torpor, obnubilare, stupor, sopor, coma. - Disorders of consciousness from a psychopathological perspective: oneiroid, amentive, twilight state, ambulatory automatism.	2
Course 6. Treatment of psychiatric disorders -Pharmacological treatment (classes of compounds, mechanism of action, indications, side effects) -Psychotherapy treatment (the main forms of psychotherapy) -Electroconvulsant therapy and other types of therapy used in psychiatry.	2
Course 7. Mood disorders -Clinical features of the expansive (manic) episode - Clinical features of the hypomaniacal episode - Clinical features of the major depressive episode - Characteristics of bipolar mood disorder - Persistent mood disorders - Cyclothymia: clinical features and nosographic status - Dysthymia: clinical features and Nosographic status	2
Course 8. Schizophrenia and Schizophrenia Spectrum Disorders (1) - Types (clinical forms) of schizophrenia - Paranoid Schizophrenia - Disorganized schizophrenia (hebephrenics) - Catatonic Schizophrenia - Simple Schizophrenia	4

Course 9. Schizophrenia and schizophrenia spectrum disorders (2) - The problem of residual schizophrenia - The problem of postschizophrenic depression - Delusional disorder (paranoia and paraphrenia) - Induced delusional disorder - Schizoaffective disorder - Schizotypal disorder	
Course 10. Personality Disorders (1) - Specific personality disorders - Paranoid personality disorder - Schizoaffic personality disorder - Dissocial personality disorder - Borderline personality disorder - Histrionic personality disorder - Narcissistic personality disorder - Anxious personality disorder - Dependent personality disorder	4
Course 11. Personality Disorders (2) - Anancasta disorder (obsessive-compulsive) of the personality - Emotionally unstable personality disorder - Depressive personality disorder - Passive-aggressive personality disorder - Persistent changes (changes) of the personality - Change of personality after a catastrophic experience - Change of personality after a severe mental illness	
Course 12. Spectrum of alcohol and drug addictions (drug addictions) - Mental disorders due to alcohol consumption (alcoholomania) - Assumptions on the etiology of alcoholomania - Data on the prevalence of alcohology - The main clinical forms of alcoholomy. - Mental disorders due to the consumption of opium derivatives. - Mental disorders due to the consumption of cannabis derivatives - Mental disorders due to the consumption of sedatives and hypnotics. - Mental disorders due to cocaine consumption. - Mental disorders due to the consumption of hallucinogens. - Mental disorders due to the consumption of organic solvents. - Mental disorders due to nicotine inhalation	2
Course 13. Neurotic disorders - Anxious-phobic disorders - Agoraphobia - Social phobia - Specific phobias - Anxious disorders - Panic disorder - Generalized anxious disorder - Obsessive compulsive disorder - Reactions to severe stress and adaptation disorders - Dissociative disorders (conversion) - Amnesia, flight and dissociative stupor - Dissociative motor and sensory disorders - Multiple personality	2
Course 14. Organic Mental Disorders - The spectrum of dementias • Alzheimer's dementia • Vascular dementia • Dementia in neurological diseases • Dementia HIV (in infection with human immunodeficiency virus) -Mental disorders associated with maternity and postpartum period -Mental disorders in craniocerebral trauma, brain tumors, epilepsy	2

Content of the laboratory / clinical internship / seminar – Analytical syllabus	28 hours
LP.1 Case Analysis Theme Semiology of Perception, Attention and Memory	2
LP.2 Case Analysis Topic Semiology of Thought, Language and Writing Disorders	2
LP.3 Case analysis Theme Semiology of affectivity, imagination and expressive behavior	2
LP.4 Case analysis The theme Semiology of volitional processes, psychomotricity and instincts	2
LP.5 Case Analysis Topic Of Consciousness Disorders. and consciousness	2
LP.6 Case Analysis Topic Treatment of Psychiatric Disorders (pharmacological, psychotherapeutic)	2
LP.7 Case Analysis Mood Disorders Theme HAMD 17 scale, MADRS scale, Hamilton scale for anxiety	2
LP.8 Case analysis The topic of Schizophrenia and schizophrenia spectrum disorders ; PANSS scale	2
LP.9 Case analysis The topic Schizophrenia and schizophrenia spectrum disorders; BPRS scale, CSSR-S scale	2
LP.10 Case Analysis Personality Disorders Theme; MMPI inventory	2
LP.11Case analysis The topic Personality disorders; Schmieschek questionnaire	2
LP.12 Case Analysis Topic Dependencies (Drug Addictions)	2
LP.13 Case Analysis Topic Neurotic Disorders; projective tests	2
LP.14 Case Analysis Topic Organic Mental Disorders (mental disorders associated with motherhood, from craniocerebral trauma, epilepsy, brain tumors and the spectrum of dementias)	2

Minimal bibliography

1. Bibliography: Nirestean A. - Psychiatry Course, ED UMF, year 2015
2. Lazarescu M, Nirestean A. - Personality Disorders, ED Polirom,Iaşi, 2016.
3. Gabriela Marian -Semiology psychiatric, Tritonic Publishing House, 2009
4. Gabriela Marian - Psychiatry – Course notes for medical and nursing students, Tehnoplast Company Publishing House S.R.L., Bucharest, 2009
5. Marian G . -Psychiatric disorders in epilepsy, "Carol Davila" University Publishing House, Bucharest, 2010
6. Marian G. Practical Guide to Psychiatry, "Carol Davila" University Publishing House, Bucharest, 2009
7. Prelipceanu D., Mihăilescu R., Teodorescu R. (editors) Tratat de sănătate mentală, Editura Enciclopedica, Bucharest, 2000
8. DSM IV - TR - Manual of diagnosis and statistics of mental disorders, Bucharest, All International Publishing House, 2000
9. DSM-5, Diagnostic Manual and Statistical Classification of Mental Disorders, Callisto Medical Publishing House, Bucharest, 2016
10. Benjamin J. Sadock, Virginia A. Sadock, Pedro Ruiz MD – Kaplan and Sadock's Synopsis of Psychiatry, 11th edition, 2014, Lippincott Williams & Wilkins (LWW)
11. Stahl's Essential Psychopharmacology: Neuroscientific Basis and Practical Applications 4th Edition, 2013, Cambridge University Press
12. Course support taught

Corroborating the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the field of Health
The course allows integration into a responsible professional environment, a good collaboration with specialists from various fields, the ability to provide psychiatric assistance in a variety of issues, the development of applied research programs that bring a plus of knowledge in understanding the mental functioning in the situation of suffering.

Mode of transmission of information	
Forms of activity	**Didactic methods used**
Course	Transmitting the information from the course material, respectively explaining them using the presentation mode in Power Point format Interactive discussions
Laboratory / clinical internship / seminar	Case presentation, use of psychometric and projective scales Solving the problem raised by the course material

Minimum performance standard – minimum scale of activities that must be performed by the student at the practical works / clinical internship in order to be admitted to the practical examination – to the seminar / project in order to be admitted to the final verification
• Minimum of 11 present at the LP • applying the theoretical knowledge acquired in the course; • periodic testing by control works / colloquia • continuous testing throughout the semester • application of questionnaires and psychometric scales • psychiatric anamnesis, principles of doctor-patient relationship • principles of psychopharmacology and psychotherapy • principles of elaboration of report / case presentation / scientific article

When determining the final grade, account shall be taken of the	**Weighting in scoring, expressed in percentages (Total = 100%)**
- answers to the exam / verification (final evaluation)	**50%**
- final responses to practical laboratory work	**10%**
- periodic testing by control works / colloquia	**20%**
- continuous testing during the semester	**10%**
- activities such as themes / papers / essays / translations / projects, etc.	**10%**
- other activities,	

Describe the practical modalities of the final evaluation, E/V.	
Minimum requirements for Note 5 (or how to award a grade of 5)	**Note 10 requirements** (or how to award a grade of 10)
• going through periodical testing through LP control works with correct final answers, respectively obtaining satisfactory type scores during these tests during the semester • Passing the individual practical examination and presenting a scientific report • correct completion of some subjects at the final exam	• Passing the individual practical examination and presenting a scientific report • Correct completion of all the requirements of the final exam • If applicable, the student who participated in activities such as translations / scientific articles receives 20% at the final grade

Date of completion
2 5.0 9.2020

Discipline holder,
Prof. Univ. Dr. Marian Gabriela

Course holder,

Prof. Univ. Dr. Marian Gabriela

Head of Department,
Associate Professor Dan Ioan Ulmeanu

Seminar / laboratory / clinical internship holder,
Prof. Univ. Dr. Marian Gabriela
Head of Works Dr. Motoescu Eduard
Asis. Univ. Dr. Focseneanu Brindusa Ecaterina

Date of approval in the department
..... 30.09.2020...

TITU MAIORESCU UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2020-2021

DISCIPLINE SHEET

Faculty	**MEDICINE**
Department	**Medico-Surgical and Prophylactic Disciplines**
Field of study	**HEALTH**
Cycle of studies	**Bachelor's degree**
Study program	**Medicine**

Name of the discipline	**GENERAL SURGERY (I)**					
Teaching position, name and surname of the discipline holder	**Prof. Univ. Dr. Ungureanu Dan**					
Teaching position, name and surname of the course holder	**Prof. Univ. Dr. Ungureanu Dan**					
Teaching position, name and surname of the seminar holder / laboratory / clinical internship	**S.L. Dr. Moldovan Cosmin** **I assist. Univ. Dr. Gâdea Alexandru** **Drd.Marinciu Adina** **Drd. Drum Mădalina**					
Code of Discipline	**MLE.4.7.3**	Formative category of the discipline		**SS**		
Year of study	**IV**	Semester*	**7**	Type of final assessment (**E, V**)		**E7**
The regime of discipline (O-o bligatorie, Op-op tion, F-f acultative)			**A**	Number of credits		**4**

* *If the discipline has several semesters of study, a sheet is filled in for each semester*

Number of hours per week	**4**	of which classes:	**2**	seminar / laboratory / clinical internship	**2**
Total hours of the curriculum	**56**	of which classes:	**28**	seminar / laboratory / clinical internship	**28**
		Total hours per semester	**100**	Total hours of self-study	**44**

Distribution of the time fund	**Hours**
1. Deciphering and studying course notes	4
2. Study by textbook, course support	4
3. Study of the minimum bibliography indicated	4
4. Additional documentation in the library	3
5. Specific training activity SEMINAR and/or LABORATORY	3
6. Realization of themes, papers, essays, translations, etc.	3
7.Preparation of control works	3
8. Preparation of oral presentations	2
9. Preparation of the final examination	4
10. Consultations	4
11. Field documentation	2
12. Documentation on the Internet	4
13. Tutoring	2
14. Examinations	2

15. Other activities:	0

Course name	GENERAL SURGERY (I)
Discipline-specific professional competences	• Knowledge of the instruments used in small surgery interventions. • Learning the examination maneuvers specific to the general surgery. Pre- and postoperative care of the surgical patient. • Principles of surgical technique and the ability to understand the indication, necessity and purpose of the recommended surgical procedure. • Athe ability to devise a suitable therapeutic plan.
Transversal competences	• Efficient use of communication resources and assisted professional training (Internal portals, specific applications, databases, online applications) both in lb. Romanian and in a language of international circulation. • Carrying out a work or a project by responsibly executing tasks specific to the role of working in a multidisciplinary team. • Acquiring teamwork skills, oral and written communication, use of information technology, availability for learning autonomy and openness for lifelong learning, respecting and developing professional ethics.
The general objective of the discipline	• Learning the basics regarding the pathophysiology, diagnosis and treatment of surgical disorders. • Performing anamnesis and complete clinical examination as well as knowing the workmanshipor surgeon, requesting appropriate complementary investigations, formulating a positive and differential correct diagnosis. • Conceiving and applying a therapeutic plan appropriate to the identified condition.
Discipline-specific objectives	• The knowledge of the pathological peculiarities and of the morbid associations of the surgical patient, the assimilation of the notions of preoperative preparation and postoperative follow-up of the surgical patient as well as the knowledge of the basic principles of the classical surgical treatment and of the modern means of minimally invasive treatment. • The ability to integrate into a multidisciplinary activity that allows the identification of the optimal therapeutic solution as well as the possibilities of adaptation to teamwork.

Course content – Syllabus	Nr. hours
THEME 1. Pathology of the esophagus • Achalasia of the cardia. Esophageal diverticula. Gastroesophageal reflux disease.	2
THEME 2. Pathology of the esophagus • Hiatal hernias.	2
THEME 3. Pathology of the stomach • Pathogenic conceptions of gastric ulcer and duodenal ulcer. • Endocrine gastric ulcer. APUD system.	2
THEME 4. Pathology of the stomach and duodenum • Complications of gastric ulcer: perforation, hemorrhage,stenosis and malignancy.	2
THEME 5. Pathology of the small intestine • Intestinal invagination of the infant. Diverticula. Regional enteritis. • Crohn's disease. • Benign and malignant tumors – Vaterian ampuloma	2
THEME 6. Surgical pathology of the colon • Diverticulosis and colic polyposis. • Ulcerative-hemorrhagic rectocolitis • Benign and malignant tumors	2
THEME 7. Pathology of the rectum and anal canal • Rectal prolapse.	2

Course content – Syllabus	Nr. hours
• Benign and malignant tumors • Hemorrhoids. fissure. Perianorectal infections (abscesses, phlegmons, fistulas)	
THEME 8. Pathology of the liver • Liver trauma. • Liver abscesses.	2
THEME 9. Pathology of the liver • Hydatid cyst of the liver.	2
THEME 10. Pathology of the bile ducts • Vesicular lithiasis . Cholecystopatii haslithiasis. Complications of vesicular lithiasis. • Simple and complex lithiasis of C.B.P. Complications of cholelithiasis.	2
THEME 11. Pathology of the pancreas • Acute pancreatitis • Chronic pancreatitis.	2
THEME 12. Pathology of the spleen • Trauma to the spleen. Hypersplenism.	2
THEME 13. Disorders of the abdominal wall • Hernias; generalities, inguinal, femoral, umbilical hernia, rare hernias, internal hernias, diaphragmatic hernias • Abdominal parietal defects: eventrations and eviscerations	2
THEME 14. Disorders of the abdominal wall • Abdominal parietal defects: eventrations and eviscerations	2

Content of the laboratory / clinical internship / seminar – Analytical syllabus	Nr. hours
1. Clinical observation sheet. Normal blood and urinary values (vol. I, chapters 2 and 3, pp. 12 – 16)	6
2. The technique of functional exploration in hepato-biliary diseases (vol. II, chap. 6, pp. 105-118).	6
3. Diagnostic technique in the pathology of abdominal viscera and urinary apparatus (vol. I, chap. 3 and 4, pp. 190 – 209).	6
4. Diagnostic technique in the pathology of the mammary gland and chest.	6
5. Technique of diagnosis of arterial and venous diseases (vol. I, chap. 5, 6 and 7, pp. 210 – 221).	6
6. Asepsia and antisepsia (vol. I, chap. 8, pp. 32 – 37). Dressings and wrapping (vol. I, chap. 28 and 29, pp. 167 – 173).	6
7. Surgical instruments. (vol. I, chap. 23, pp. 120 -122). Technical details in laparoscopic surgery, pneumoperitoneum and diagnostic laparoscopy. (vol. I, chap. 1,2,3 pp. 223-241).	6
8. Wounds and surgical suture (vol. I, ch. 25 and 27, pp. 139 – 166). Incision and drainage (vol. I, chap. 26, pp. 143-149). The bladder survey (vol. I, chap. 15, pp. 78- 81).	6
9. Interpretation of radioscopy, radiography, irrigography, ultrasound and anorectal exploration (vol. I, chap. 4, 5 and 6, pp. 17 – 25).	6
10. Practical examination	2

Minimal bibliography

1. F.D. Ungureanu, Chirurgia abscesselor hepatice, Ed. Printech, 2005.
2. F.D. Ungureanu, Laparoscopic surgery of hiatal hernias, Printech Publishing House, 2005.
3. F.D. Ungureanu, Polimorfism lezional al unghiului duodeno-jejunal Treitz, Ed. Printech, 2005.
4. F.D. Ungureanu, Current techniques in classical and laparoscopic surgery, Printech Publishing House, vol. 1, 2005.
5. F.D. Ungureanu, Current techniques in classical and laparoscopic surgery, Printech Publishing House, vol. 2, 2005.
6. F.D. Ungureanu, Course of Surgery - Vol 1 – 3rd edition: Surgical pathology of the esophagus; Surgical pathology of the small intestine, Titu Maiorescu Publishing House, Bucharest 2012;
7. F.D. Ungureanu, Course of Surgery - Vol 2 : Surgical pathology of the liver; Thoraco-abdominal traumas, Bucharest 2014;
8. F.D. Ungureanu, Course of Surgery - Vol 3 : Surgical pathology of the pancreas; Pathologiesof biliary tract surgery, Bucharest 2014;

9. F.D. Ungureanu, Course of Surgery - Vol 4 : Surgical pathology of stoamac; Pathologiesof colorectal surgery; Acute appendicitis; Abdominal parietal defects; Peripheral venous pathology, Bucharest 2014;
10. N. Angelescu, Treatise of Surgical Pathology, Medical Publishing House 2001, Vol. 1
11. N. Angelescu, Treatise of Surgical Pathology, Medical Publishing House 2001, Vol. 2

Corroborating the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the field of Health

All the topics taught at the course and practical internships are exposed in the didactic and scientific materials of the discipline, monographs, guides, courses, in which the latest data from the national and international specialized literature are taken over, corresponding to the maximum expectations of the representatives of the epistemic community, professional associations and representative employers in the field of Health in the country. Most of the topics exhibited have the correspondent of the scientific content requested by the bibliography of the national residency contest.

Mode of transmission of information

Forms of activity	**Didactic methods used**
Course	2-hour course assisted by on-screen videopoiection (presentations in Power Point system); Drawings on the flipchart and magnetic board.
Laboratory / clinical internship / seminar	Practicing in the dressing room and rooms of the general surgery department, the examination methods, presenting the clinical cases with highlighting the specific lesions and the treatment methods, assimilating the patient's care techniques and the basic therapeutic notions and the principles of the surgical procedures e. Therendering and explication of the notions from the guides of practical works, the observation of the surgical interventions transmitted live from the block of aperator through the video system integrated in the bluffitic lamps, the daily recording of the cases presented in the casuistry notebook of the internship, periodic evaluations in the form of weekly seminars and the half-yearly test.

Minimum performance standard – minimum scale of activities that must be performed by the student at the practical works / clinical internship in order to be admitted to the practical examination – to the seminar / project in order to be admitted to the final verification

For admission to the practical internship exam:

- Complete restoration of absences at the clinical stage;
- The presence of the student at all seminars;
- Completion of the casuistry notebook;
- Promotion to the written assessment tests during the semester.

Evaluation at the clinical stage:

- Oral presentation of the clinical case selected from the casuistry available in the Surgery Clinic;
- Correct performance of clinical maneuvers registered in the technique of objective examination with references to the selected case;
- Knowledge of normal and patholic values of biological constants;
- Knowledge of the minimum instruments required for small surgical interventions;
- Correct interpretation of imaging;
- Detailed knowledge of the means of asepsis and surgical antisepsisof.

For admission to the final evaluation:

- Attendance at 80% of the courses taught;
- Passing the practical oral examination;
- Promotion of periodic testing during the semester;
- Promotion of weekly seminars.

When determining the final grade, account shall be taken of the	**Weighting in scoring, expressed in percentages (Total = 100%)**
- answers to the exam / verification (final evaluation)	**50%**
- final responses to practical laboratory work	**20%**
- periodic testing by control works / colloquia	**10%**
- attendance at the course during the semester	**10%**

- internship booklet: themes, reports, translations, clinical cases, projects.	**10%**
Describe the practical modalities of the final evaluation [E] : Paper written with 5 questions from the topics of the courses taught. The duration of the examination is 2 hours.	

Minimum requirements for Note 5 (or how to award a grade of 5)	**Note 10 requirements** (or how to award a grade of 10)
• Passing the clinical internship examination; • Brief drafting of the internship booklet; • Correct answer to 3 questions from the final written evaluation or partial presentation of the topics in the course topic; • The correct exposure but it isthe incomplete performance of the objective examination of the patient's l; • Knowledge of surgicalsepsy and antisepsis; • Approximate knowledge of anesthetic-surgical risk scales; • Approximate knowledgeof biological constants and imaging; • 50% attendance at the theoretical course.	• Passing the clinical internship exam with at least a grade of 9 • Complete drafting of the internship booklet; • Correct and complete answer to all 5 questions from the final evaluation or full exposure of the topics in the surgical topic; • Correct presentation of the clinical case, with complete and correct differential diagnosis, principles of treatment assimilated and correctly presented; • Detailed knowledge of biological constants and medical imaging data; • Detailed knowledge of anesthetic-chriurgical risk scales; • Attendance 80% at the theoretical course.

Date of completion	
16. 09.2020	
Discipline holder,	**Head of Department**,
Prof. Univ. Dr. Ungureanu Dan	Assoc. Prof. Dr. Ulmeanu Dan
Course holder,	**Seminar / laboratory / clinical internship** holder,
Prof. Univ. Dr. Ungureanu Dan	Assoc. Prof. Univ. Dr. Brasoveanu Vladislav Ş. L. Dr. Moldovan Cosmin I assist. Univ. Dr. Gâdea Alexandru Drd. Marinciu Adina Drd. Toba Madalina
Date of approval in the department	
30.09.2020	

TITU MAIORESCU UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2020-2021

DISCIPLINE SHEET

Faculty	**MEDICINE**
Department	**PRECLINICAL / MEDICO-SURGICAL AND PROPHYLACTIC DISCIPLINES**
Field of study	**HEALTH**
Cycle of studies	**Bachelor's degree**
Study program	**Medicine**

Name of the discipline	**ONCOLOGY**					
Teaching position, name and surname of the discipline holder	**Assoc. Prof. Croitoru Adina, PhD**					
Teaching position, name and surname of the course holder	**Assoc. Prof. Croitoru Adina, PhD**					
Teaching position, name and surname of the seminar holder / laboratory / clinical internship	**Assoc. Prof. Croitoru Adina, PhD** **As. Univ. dr. Buica**					
Code of Discipline	**MLE.4.7.4**	Formative category of the discipline		**SS**		
Year of study	**IV**	Semester*	**7**	Type of final assessment (**E, V**)		**E7**
The regime of discipline (O-o bligatorie, Op-op tion, F-f acultative)		**A**	Number of credits	**4**		

** If the discipline has several semesters of study, a sheet is filled in for each semester*

Number of hours per week	**4**	of which classes:	**2**	seminar / laboratory / clinical internship	**2**
Total hours of the curriculum	**56**	of which classes:	**28**	seminar / laboratory / clinical internship	**28**
		Total hours per semester	**100**	Total hours of self-study	**44**

Distribution of the time fund	**Hours**
1. Deciphering and studying course notes	10
2. Study by textbook, course support	6
3. Study of the minimum bibliography indicated	6
4. Additional documentation in the library	2
5. Specific training activity SEMINAR and/or LABORATORY	9
6. Realization of themes, papers, essays, translations, etc.	0
7.Preparation of control works	2
8. Preparation of oral presentations	0
9. Preparation of the final examination	4
10. Consultations	0
11. Field documentation	0
12. Documentation on the Internet	3
13. Tutoring	0

14. Examinations	2
15. Other activities:	0

Course name	**ONCOLOGY**
Discipline-specific professional competences	• Knowledge of pathological peculiarities and morbid associations of the oncological patient, assimilation of the notions of preerapeutical preparation, diagnosis and follow-up ofthe oncological bowl • Cunoasterea the basic principles of the treatmentof medical, surgical and radiological oncological ments • The ability to integrate into a multidisciplinary activity that allows the identification of the optimal therapeutic solution as well as the possibilities of adaptation to teamwork. • The ability to devise a therapeutic plan yourself appropriate to a defined oncological pathology .
Transversal competences	• Efficient use of communication resources and assisted professional training (internal portals, specific applications, databases, online applications) both in Romanian and in a language of international circulation. • Practicing the role of working in a multidisciplinary team. • Acquiring teamwork skills, oral and written communication skills, use of information technology, availability for learning autonomy and openness to lifelong learning, respecting and developing professional ethics.
The general objective of the discipline	• Learning the basics of carcinogenesis, diagnosis and complex treatment of cancer disease. • Knowledge of imaging and laboratory explorations specific to malignant diseases. • Conceiving and applying a therapeutic plan appropriate to the given oncological pathology.
Discipline-specific objectives	• Knowledge of diagnostic resources used in oncological pathology • Learning the examination maneuvers and the specific care of the oncological patient • Knowledge of the principles of chemotherapy, radiotherapy, hormone therapy, immunotherapy • Knowledge of the principles and techniques of concological surgical treatment • The ability to integrate into a multidisciplinary activity that allows the identification of the best treatment appropriate to the patient, disease and stage of the disease as well as the possibilities of adaptation to teamwork.

Course content – Syllabus	No. Hours
1. Introduction to oncology, malignant phenotype and malignant biology	2
2. Carcinogenesis	2
3.Invasion and metastasis	2
4.Etiopathogenesis of cancer	2
5.Epidemiology of cancer	2
6.Diagnosis in cancerous disease; Principles of staging, Tumor Markers	2
7. Histopathological classification of tumors	2
8. Cancer prevention and prophylaxis	2
9. Screening of neoplasia	2
10.Oncological emergencies	2
11.Cancer treatment: the principles of surgical, radiological and systemic treatment	2
12.Breast cancer: epidemiology, risk factors, diagnosis, staging, treatment	2
13.Bronchopulmonary cancer: epidemiology, risk factors, diagnosis, staging, treatment	2
14.Colorectal cancer: epidemiology, risk factors, diagnosis, staging, treatment	2

Content of the laboratory / clinical internship / seminar – Analytical syllabus	No. Hours
1.Clinical examination of the oncological patient. Clinical observation sheet in oncology .	2
2. Breast cancer: epidemiology, natural history, characteristic signs and symptoms, methods of diagnosis and preterapeutic balance, posttherapeutic treatment and follow-up - case study	2
3. Nonmicrocellular bronchopulmonary cancer: epidemiology, natural history, characteristic signs and symptoms, methods of diagnosis and preterapeutic balance, posttherapeutic treatment and follow-up - case study	2
4.Microcellular bronchopulmonary cancer: epidemiology, natural history, characteristic signs and symptoms, methods of diagnosis and preterapeutic balance, posttherapeutic treatment and follow-up- case study	2
5. Colon cancer: epidemiology, natural history, characteristic signs and symptoms, methods of diagnosis and preterapeutic balance, posttherapeutic treatment and follow-up - case study	2
6. Rectal cancer: epidemiology, natural history, characteristic signs and symptoms, methods of diagnosis and preterapeutic balance, treatment and posttherapeutic follow-up- case study	2
7.Gastric cancer: epidemiology, natural history, characteristic signs and symptoms, methods of diagnosis and preterapeutic balance, posttherapeutic treatment and follow-up - case study	2
8. Malignant melanoma: epidemiology, natural history, characteristic signs and symptoms, methods of diagnosis and preterapeutic balance, posttherapeutic treatment and follow-up - case study	2
9.Ovarian cancer: epidemiology, natural history, characteristic signs and symptoms, methods of diagnosis and preterapeutic balance, posttherapeutic treatment and follow-up- case study	2
10. Cervical cancer epidemiology, natural history, characteristic signs and symptoms, methods of diagnosis and preterapeutic balance, posttherapeutic treatment and follow-up- case study	2
11. Prostate cancer: epidemiology, natural history, characteristic signs and symptoms, methods of diagnosis and preterapeutic balance, treatment and posttherapeutic follow-up- case study	2
12.Sarcomas: epidemiology, natural history, characteristic signs and symptoms, methods of diagnosis and preterapeutic balance, posttherapeutic treatment and follow-up - case study	2
13.Chemotherapeutic agents: methods of administration, incidents, adverse effects and treatment of adverse effects	2
14.Nutrition of the cancer patient	2

Minimal bibliography

1. Book Des ECN, Romanian edition, editor Laurent Karila, "Iuliu Haţieganu" University Medical Publishing House, U.M.F. Cluj-Napoca, 2011
2. Compendium of medical-surgical specialties. Volumes 1 and 2 - Victor Stoica, Viorel Scripcariu, Medical Publishing House, 2016
3. ESMO Guides translated-updated 2015 http://srrom.ro/Ghiuri_ESMO/Ghiduri_ESMO_0.html
4. ESMO guidelines-http://www.esmo.org/Guidelines
5. Principles & Practice of Oncology, De Vita,Hellmann and Rosenberg's Cancer, 2019, The 11th edition
6. Manual of Clinical Oncology – D. Casciato &Merry C Territo Publishing House Lippincott &, 2016
7. Cancer Therapy - Practical Guide Lucian Miron, Eduard Bild.: Tehnopress Publishing House 2003
8. Cancer Chemotherapy - Principles and Practice Lucian Miron, Ingrith Miron., Iasi: Kolos Group Print & Publishing Publishing 2005
9. Manual of Clinical Oncology – UICC, Ninth edition, Welly-Blackwell Publication, 2015, O'Sullivan
10. Oxford Handbook of Oncology,Cassidy &Co, 4th edition, 2015
11. Course Support

Corroborating the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the field of Health

All the topics taught at the course and practical internships are exposed in the didactic and scientific materials of the discipline, monographs, guides, courses, in which the latest data from the national and international specialized literature are taken over, corresponding to the maximum expectations of the representatives of the epistemic community, professional associations and representative employers in the field of Health in the country. Most of the topics exhibited have the correspondent of the scientific content requested by the bibliography of the national residency contest.

Mode of transmission of information	
Forms of activity	**Didactic methods used**

Course	2-hour course with break:10min assisted by on-screen video projection (presentations in Power Point system); Interactive teaching, Drawings on flipchart and magnetic board.
Laboratory / clinical internship / seminar	Practicing / understanding / knowing / deepening the examination of the patient in the classrooms, of the methods of clinical and paraclinical examination and of the specific care of the oncological treatment Teaching and explaining the basics and principles of specific oncological treatment Record of the cases presented in the clinical internship booklet, It'speriodicals in the form of a weekly seminar and a half-yearly test.

Minimum performance standard – minimum scale of activities that must be performed by the student at the practical works / clinical internship in order to be admitted to the practical examination – to the seminar / project in order to be admitted to the final verification
For admission to the practical internship exam: • Complete restoration of absences at the clinical stage; • The presence of the student at all seminars; • Completion of the clinical internship notebook; • Promotion to the assessment tests during the semester. **Evaluation at the clinical stage:** • Presenting terapsolution eutica for a given clinical case • Indication of specific explorations suitable for a defined pathology • Knowledge of the specific methods of enrollment of the oncological patient • Knowledge of the protocols for posterapeutical tracking of the oncological patient **For admission to the final evaluation:** • Attendance at 80% of the courses taught; • Passing the semi-annual practical exam; • Promotion of weekly seminars.

When determining the final grade, account shall be taken of the	**Weighting in scoring, expressed in percentages (Total = 100%)**
- answers to the exam / verification (final evaluation)	**60%**
- final responses to practical laboratory work	**10%**
- periodic testing by control works / colloquia	**10%**
- continuous testing during the semester	**20%**
- activities such as themes / papers / essays / translations / projects, etc.	**0%**
- other activities,	**0%**

Describe the practical ways of final evaluation, E (written (descriptive) work + oral examination with tickets)

Minimum requirements for Note 5 (or how to award a grade of 5)	**Note 10 requirements** (or how to award a grade of 10)
• Promovarea of the practical exam • Correct answer to 5 questions from the final written evaluation or partial presentation of the topics in the course topic • Correct, generic description of the possibilities of oncological treatment	• Promovarea of the practical exam with a minimum grade of 9 • Correct and complete answer to the questions in the final evaluation • The correct knowledge in detail of all the possibilities of oncological treatment taught at the course and practical works

Date of completion
26.09.2020

Discipline holder,
Assoc. Prof. Croitoru Adina, PhD

Course holder,

Assoc. Prof. Croitoru Adina, PhD

Date of approvalin the department
... 30.09.2020

Head of Department,
Assoc. Prof. Dr. Ulmeanu Dan

Seminar / laboratory / clinical internship holder,
Assoc. Prof. Croitoru Adina, PhD
As. univ. Buica Florina

TITU MAIORESCU UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2020-2021

DISCIPLINE SHEET

Faculty	**MEDICINE**
Department	**Department Disciplinelor Medico-C hirurgicale and Profilactic**
Field of study	**HEALTH**
Cycle of studies	**Bachelor's degree**
Study program	**Medicine**

Name of the discipline	**OPHTHALMOLOGY**				
Teaching position, name and surname of the discipline holder	**Assoc. Prof. Vasinca Dumitru Ioan, PhD**				
Teaching position, name and surname of the course holder	**Assoc. Prof. Vasinca Dumitru Ioan, PhD**				
Teaching position, name and surname of the seminar holder / laboratory / clinical internship	**S.L. Dr. Manasia Daniela**				
Code of Discipline	**MLE.4.7.5**	Formative category of the discipline		**SS**	
Year of study	**IV**	Semester*	**7**	Type of final assessment (**E, V**)	**E7**
The regime of discipline (O-o bligatorie, Op-op tion, F-f acultative)		**A**	Number of credits		**4**

Number of hours per week	**4**	of which classes:	**2**	seminar / laboratory / clinical internship	**2**
Total hours of the curriculum	**56**	of which classes:	**28**	seminar / laboratory / clinical internship	**28**
		Total hours per semester	**100**	Total hours of self-study	**44**

Distribution of the time fund	**Hours**
1. Deciphering and studying course notes	12
2. Study by textbook, course support	10
3. Study of the minimum bibliography indicated	0
4. Additional documentation in the library	0
5. Specific training activity SEMINAR and/or LABORATORY	8
6. Realization of themes, papers, essays, translations, etc.	0
7.Preparation of control works	0
8. Preparation of oral presentations	0
9. Preparation of the final examination	6
10. Consultations	0
11. Field documentation	0
12. Documentation on the Internet	6
13. Tutoring	2
14. Examinations	0

15. Other activities: ...	0

Course name	Ophthalmology
Discipline-specific professional competences	Recognition of lesions specific to the ophthalmological sphere, notions of differential diagnosis and treatment. Ability to correctly manage an ophthalmological emergency. Knowledge of ophthalmological examination methods, testing of visual acuity, visual field
Transversal competences	**1. Autonomy and responsibility** • acquiring moral benchmarks, forming professional and civic attitudes, allowing students to be fair, honest, non-confrontational, cooperative, available to help people, interested in community development; • to know and apply ethical principles related to medical practice; • to recognise a problem when it arises and to provide responsible solutions for solving it. **2. Social interaction** • to have respect for diversity and multiculturalism; • to develop teamwork skills including identifying roles in a multidisciplinary team and applying effective networking and work techniques within the team and in the relationship with the patient; • to communicate orally and in writing the requirements, the way of working, the results obtained; • to get involved in volunteering, to know the essential problems of the community. **3. Personal and professional development** • Be open to lifelong learning. • to be aware of the necessity of individual study as a basis of personal autonomy and professional development; • to optimally and creatively capitalize on their own potential in collective activities; • to use information and communication technology through the efficient use of information resources and assisted communication and training resources (Internet portals, specialized software applications, databases, on-line courses, etc.) both in Romanian and in an international language.
The general objective of the discipline	• Presentation of the notions of anatomy specific to the visual analyzer, of the basic notions regarding the etiopathogenesis, the diagnosis and the treatment of the affections specific to the ophthalmological sphere. Emergency conduct in specific situations
Discipline-specific objectives	• The acquisition by the student of the elements regarding the clinical and therapeutic aspects of the ophthalmologic affections as well as the training of the students regarding the elementary techniques of examination in ophthalmology • Learning the emergency conduct in ophthalmological emergencies; • Announcing and commenting on modern paraclinical investigations and their value in the positive and differential diagnosis process • Doctor-patient communication

Course content – Syllabus	**No. Hours**
1.Visual function and feeling of color	2

luminous sensation – examination, electroretinography and evoked visual potentials, luminous sensation disorders: hemeralopia and noctalopia, visual acuity and visual field – peripheral vision**,** examination methods, pathology of chromatic sensation	
2. Ocular refraction and its disorders ; Ametropies static refraction, dynamic refraction - accommodation, physiological disorders of accommodation: presbyopia, pathological disorders of accommodation: paralysis, spasm, methods of examination; correction: glasses, contact lenses, refractive surgery	2
3.Binocular vision and its affections action of oculomotor muscles and movements of the eyeball, binocular vision disorders: diplopia, methods of examination, diagnosis and treatment of strabismus	2
4. Pathology of the orbit and the tear apparatus orbital semiology: proptosis, enophthalmia, inflammations of the orbit: abscesses, cavernous system thrombosis, orbital pseudotumors, orbital tumors, semiology of the tear apparatus, dacrioadenitis, dacryocystitis	2
5.Pathology of the eyelids congenital disorders, eyelid motility disorders, blepharitis, hordeolum, chalazion, ectropion, entropion, ptosis, eyelid tumors	2
6. Pathology of the conjunctiva classification, differential diagnosis, treatment; degenerative lesions	2
7. Pathology of the cornea and sclera semiology, viral, bacterial keratitis, corneal ulcers, degenerations and corneal dystrophies, scleritis, episleritis, differential diagnosis, scleral ectasia	2
8. Pathology of the pupil pupillary reaction, disorders of statics and pupillary dynamics;	2
9. Pathology of the uvea anterior and posterior uveitis, sympathetic ophthalmia, uvea tumors	2
10. Pathology of the lens signs and symptoms, congenital and acquired cataract, dislocation and subluxation of the lens	2
11. Glaucoma signs and symptoms, open and closed-angle glaucoma, drug and surgical treatment	2
12.Pathology of the retina retinal vascular diseases, retinal dystrophies, retinal detachment, tumors; retinopathy associated with systemic diseases	2
13. Pathology of the optic nerve papilledema, optic neuritis, anterior optic neuropathy	2
14. Eye trauma contusions, penetrating trauma, perforation, foreign eye bodies, eye burns	2
Content of the laboratory / clinical internship / seminar – Analytical syllabus	No. Hours
1.Anatomy and physiology of the eye, **optic pathways, visual cortex**	2
2.Visual acuity examination of distant and near vision, examination of perception and light projection, contrast sensitivity	2
3.Examination of binocular vision determination of simultaneous perception and fusion with the help of sinoptophore, tests for stereoscopic vision	2
4.Evaluation of heterophoria, strabismus and diplopia examination of heterophoria, cover test, investigation of diplopia	2
5.Techniques for examining the sensation of color methods of equalization, comparison, pseudoisochromatic table	2
6.Ocular refraction static and dynamic refraction, subjective evaluation of refraction by Donders method, objective evaluation by skiascopy, refractometry, astigmometry	2
7. Ametropial Correction	2

8.Daylight examination examination of the orbit, eyebrow region, eyelids, lacrimal apparatus, conjunctiva, sclera, cornea, anterior chamber, iris, pupil, lens, pupillary reaction	2
9. Biomicroscopic examination examination of the conjunctiva, cornea, anterior chamber, iris, vitreous, performing gonioscopy	2
10. Examination of the fundus direct and indirect ophthalmoscopy; red reflex – differential diagnosis	2
11. **Special paraclinical investigations**: ocular fluoroangiography, ocular echography, biometrics, ocular coherence tomography – OCT	2
12. Simulation and concealment in ophthalmology	2
13. Treatment in ophthalmology topical solutions, ointments, eye dressing; general treatment	2
14. Emergency conduct in eye trauma	2

Minimal bibliography

1. Marieta Dumitrache, under the editorial board. Management in Eye Diseases. Medical Publishing House, 2019.
2. Ozana Moraru. Intraoperative complications of cataract surgery by phacoemulsification. Ed. Curtea Veche. 2019.
3. Vasinca I, Manasia D – Ophthalmology for students, General Medical Assistance Specialization, Ed Univ "Titu Maiorescu", Ed Hamangiu, 2016
4. Carmen Mocanu. Positive and differential diagnosis in ophthalmology. Second edition. Ed. Delfin Bookstore. 2016.
5. Marieta Dumitrache. Compendium of Ophthalmological Pathology. Medical Publishing House. 2015.
6. Vasinca I, Manasia D – Ophthalmology Course, Ed Univ "Titu Maiorescu", Ed Hamangiu, 2014
7. Vasinca I, Manasia D – Ophthalmology, Practical works for students, Ed Univ "Titu Maiorescu", 2011
8. Vasinca I. – Course of ophthalmology, Ed Silex, Buc., 2004
9. Yanoff M., Duker J. - Ophtalmology, Mosby, London 2003
10. Course support taught

Corroborating the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the field of Health

The accumulation of theoretical and practical knowledge by the student are necessary in order to familiarize himself with the logic of the drug and surgical treatment in the ophthalmologic diseases, to evaluate the type of care procedures indicated and to corroborate the clinical phases with the specific specialized investigations, in order to increase the quality of the medical act.

Mode of transmission of information

Forms of activity	**Didactic methods used**
Course	Presentation in power point format accompanied by oral presentation
Laboratory / clinical internship / seminar	Practicing and learning the examination methods, presenting the patients and the specialized atlases for the recognition of the specific lesions, the appropriation of the techniques of caring for the patient with ophthalmologic diseases; free discussions

Minimum performance standard - minimum scale of activities to be performed by the student

- recognition of major ophthalmological emergencies
- emergency therapeutic conduct in acute attack of glaucoma and eye trauma
- correct determination of visual acuity
- performing aerial optical correction
- knowledge of modern methods of investigations

When determining the final grade, account shall be taken of the	Weighting in scoring, expressed in percentages (Total = 100%)
- answers to the exam / verification (final evaluation)	**50 %**
- final responses to practical laboratory work	**30%**
- periodic testing by control works / colloquia	**10%**
- continuous testing during the semester	**10%**
- activities such as themes / papers / essays / translations / projects, etc.	**0**
- other activities,	**0**

Describe the practical modalities of the final evaluation, E/V. : written work (grid test), individual or group practical examination

Minimum requirements for Note 5 (or how to award a grade of 5)	**Note 10 requirements** (or how to award a grade of 10)
• 6 correct answers out of 10 to the grid test • Basic notion and correct performance of the objective clinical examination of the patient at the practical test	• 10 correct answers to the grid test • All theoretical notions, the correct performance of the objective examination of the patient, the recognition of the images with the lesions specific to the ophthalmological affections

Date of completion
26.09.2019

Discipline holder,
Assoc. Prof. Vasinca D. Ioan, PhD

Head of Department,
Assoc. Prof. Dr. Ulmeanu Dan

Course holder,
Assoc. Prof. Vasinca D. Ioan, PhD

Seminar / laboratory / clinical internship holder,
S.L. Dr. Manasia Daniela

Date of approvalin the department
..... 30.09.2019

TITU MAIORESCU UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2020-2021

DISCIPLINE SHEET

Faculty	**MEDICINE**
Department	**MEDICAL-SURGICAL AND PROPHYLACTIC DISCIPLINES**
Field of study	**HEALTH**
Cycle of studies	**Bachelor's degree**
Study program	**MEDICINE**

Name of the discipline	**PALLIATIVE CARE**					
Teaching position, name and surname of the discipline holder	**Ş.L. Dr. Furdu - Lunguţ Emilia**					
Teaching position, name and surname of the course holder	**Ş.L. Dr. Furdu - Lunguţ Emilia**					
Teaching position, name and surname of the seminar holder / laboratory / clinical internship	**Ş.L. Dr. Furdu - Lunguţ Emilia** **Assoc. Univ. Dr. Alis Mariana Neagoe**					
Code of Discipline	**MLE.4.7.8**	Formative category of the discipline		**DS**		
Year of study	**IV**	Semester*	**7**	Type of final assessment (**E, V**)		**E7**
The regime of discipline (O-o bligatorie, Op-op tion, F-f acultative)		**A**	Number of credits	**2**		

** If the discipline has several semesters of study, a sheet is filled in for each semester*

Number of hours per week	**2**	of which classes:	**1**	seminar / laboratory / clinical internship	**1**
Total hours of the curriculum	**28**	of which classes:	**14**	seminar / laboratory / clinical internship	**14**
		Total hours per semester	**50**	Total hours of self-study	**22**

Distribution of the time fund	Hours
1. Deciphering and studying course notes --- week with even number	4
2. Study by textbook, course support	4
3. Study of the minimum bibliography indicated	2
4. Additional documentation in the library	2
5. Specific training activity SEMINAR and/or LABORATORY --- week witha number of hair	2
6. Realization of themes, papers, essays, translations, etc.	0
7.Preparation of control works	0
8. Preparation of oral presentations	0
9. Preparation of the final examination	0
10. Consultations	0
11. Field documentation	0
12. Documentation on the Internet	4
13. Tutoring	2
14. Examinations	2

15. Other activities:	0

Course name	**Palliative care**
Discipline-specific professional competences	Knowledge and understanding of notions specific to the discipline. Familiarity with the terminology specific to palliative care.
Transversal competences	To demonstrate the concern for the continuous professional improvement through specific practice of the discipline in order to adapt the professional components to the dynamics of the social context.
The general objective of the discipline	Acquiring the skills of complete examination of the patient and specification of the diagnosis according to the general clinical examination for the treatment and care of the patient.
Discipline-specific objectives	Terminal stage and patients with incurable chronic diseases.

Course content – Syllabus	**14 Hours**
1. Palliative care and stroke – Stroke – Emergency measures, prevention and treatment of complications of palliative care.	2h
2. Care of patients with heart failure.	2h
3. Care of patients with hepato-biliary diseases.	2h
4. Colloquium	2h
5. Symptom management and palliative care – Digestive symptoms.	2h
6. Palliative care – Neurological symptoms and palliative care – Hiccups.	2h
7. Exam recap.	2h
Content of the laboratory / clinical internship / seminar – Analytical syllabus	**14 Hours**
1. Care of bedridden patient and care of oncological patient	2h
2. Neurological patient care – ALS and neurological patient care – MS	2h
3. Neurological patient care – stroke and patient care with HIV/ AIDS	2h
4. Control work	2h
5. Treatment of pain and treatment of anemic syndrome; Treatment of dehydration and care of the patient with TB.	2h
6. Care of the cardiac patient and care for the patient with digestive diseases.	2h
7. Prepare fora practical exam.	2h

Minimal bibliography

1. Treatise on palliative care at home under the editorship of Dr. Marinela Olăroiu, Etna Publishing House 2015;
2. Haig S. Diagnosing dying: symptoms and sings of end- stage disease. End of Life Care 2009;
3. Nitipir C, Tebeica AM, Iaciu IC, Barbu M, Radu I, Nutrition in paleliative care, Paliatia 2015;
4. Olăroiu M under the editorial board of The Treatise on Palliative Care at Home, Bucharest Ed Etna , 2015;
5. Confusion. [Available at: http:// www. hospiceword.org/book/confusion.htm] Accessed 06.09.2017;
6. Dalal S, Del Fabbro E. Is there a role for hydration at the end of life? Curr Opin Support Palliat Care 2009;
7. McCaffery M., Passero C., Pain: Clinical Manual (2nd ed.). St. Louis: Mosby, 1999;
8. Hospice Palliative Care Program.Symptom Guidelines.Principles Of Opioid Management. Fraser Health, 2015.
9. Course support taught

Corroborating the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the field of Health

The course allows the integration in a responsible professional environment, the development of applied research programs, being in line with the requirements of the European university education by permanently updating the information and corresponding to the expectations of the representatives of the episystemic community, professional associations and representative employers in the field of Health.

Mode of transmission of information	
Forms of activity	**Didactic methods used**
Course	Transmission of information, respectively explaining thistime using presentation mode in Power Point format
Laboratory / clinical internship / seminar	Clinical internships using an interactive way of working with students.

Minimum performance standard – minimum scale of activities that must be performed by the student at the practical works / clinical internship in order to be admitted to the practical examination – to the seminar / project in order to be admitted to the final verification
- Application of theoretical notions acquired in the course. - Proving that they were able to acquire the information transmitted by going through the course of palliative care.

When determining the final grade, account shall be taken of the	**Weighting in scoring, expressed in percentages (Total = 100%)**
- answers to the exam / verification (final evaluation)	**60%**
- final responses to practical laboratory work	**admitted/rejected – the conditionsof acceptance at the final theoretical testing of the knowledgeof the accumulated targets**
- periodic testing by control works / colloquia	**15%**
- continuous testing during the semester	**15%**
- activities such as themes / papers / essays / translations / projects, etc.	**10%**
- other activities (specify)	**- %**
Describe the practical ways of final evaluation, E/V (descriptive written work) / oral and written examination	
Minimum requirements for Note 5 (or how to award a grade of 5)	**Note 10 requirements** (or how to award a grade of 10)
• Going through the periodical tests through control works with correct final answers, respectively obtaining satisfactory scores during these tests during the semester. • Correct completion of at least 1/2 of the subjects in the final exam.	• Assimilation of palliative care elements. • Obtaining scores of over 70% in intermediate tests. • Active participation in the activity carried out in the course. • Get a score of over 90% on the final examination.

Date of completion
26.09.2020

Discipline holder,
Ş.L. Dr. Furdu - Lunguţ Emilia

Head of Department,
Assoc. Prof. Dan Ulmeanu, PhD

Course holder,

Ş.L. Dr. Furdu - Lunguţ Emilia

Seminar / laboratory / clinical internship holder,
Ş.L. Dr. Furdu - Lunguţ Emilia
Assoc. Univ. Dr. Alis Mariana Neagoe

Date of approvalin the department
30.09.2020

TITU MAIORESCU UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2020-2021

DISCIPLINE SHEET

Faculty	**MEDICINE**
Department	**Department of Medico-surgical and Prophylactic Disciplines**
Field of study	**RHEUMATOLOGY**
Cycle of studies	**Bachelor's degree**
Study program	**MEDICINE**

Name of the discipline	**RHEUMATOLOGY**					
Teaching position, name and surname of the discipline holder	**Chief Lucrări Dr. ANGHEL DANIELA**					
Teaching position, name and surname of the course holder	**Chief Lucrări Dr. ANGHEL DANIELA**					
Teaching position, name and surname of the seminar holder / laboratory / clinical internship	**Chief Lucrări Dr. ANGHEL DANIELA**					
Code of Discipline	**MLE.4.8.9**	Formative category of the discipline		**SS**		
Year of study	**IV**	Semester*	**8**	Type of final assessment (**E, V**)		**E8**
The regime of discipline (O-o bligatorie, Op-op tion, F-f acultative)			**A**	Number of credits		**3**

* *If the discipline has several semesters of study, a sheet is filled in for each semester*

Number of hours per week	**4**	of which classes:	**2**	seminar / laboratory / clinical internship	**2**
Total hours of the curriculum	**56**	of which classes:	**28**	seminar / laboratory / clinical internship	**28**
		Total hours per semester	**75**	Total hours of self-study	**19**

Distribution of the time fund	**Hours**
1. Deciphering and studying course notes	2
2. Study by textbook, course support	2
3. Study of the minimum bibliography indicated	3
4. Additional documentation in the library	2
5. Specific training activity SEMINAR and/or LABORATORY	0
6. Realization of themes, papers, essays, translations, etc.	0
7.Preparation of control works	2
8. Preparation of oral presentations	4
9. Preparation of the final examination	3
10. Consultations	1
11. Field documentation	0
12. Documentation on the Internet	0
13. Tutoring	0

14. Examinations	0
15. Other activities:	0

Course name	**RHEUMATOLOGY**
Discipline-specific professional competences	• Ability to analyzeand synthesis • Ability to organize • The Capacity for Understanding • Ability to evaluate and self-evaluate • The ability to work in a team • The ability to have an ethical and deontological behavior
Transversal competences	• Performing paraclinical consultation and explorations in rheumatology: radiology, osteodensiometry, musculoskeletal ultrasound, capilatoscopy, computer tomography, nuclear magnetic resonance • Knowledge and application of the principles of treatment in rheumatology • Knowledge and application in the rheumatology cabinet of the care process • Interactive communication with the primary health care team • Planning the activity in the rheumatology cabinet • Evaluation of the health status of the population groups through the balance sheet and screeng exams • Monitoring of population groups at risk and patients with chronic rheumatic diseases • Evaluation of the state of nutrition and recommendation of specific hygienic-dietary regimen
The general objective of the discipline	• Acquiring theoretical and practical knowledge on the specifics of rheumatology, legislation in force on rheumatology, indicators of the health status of a community, strategies for promoting health, management of the rheumatology cabinet
Discipline-specific objectives	• Acquiring the skills necessary for consultation in rheumatologic pathology • Acquiring the skills of multidisciplinary team activity from a rheumatology cabinet • Acquiring verbal, nonverbal communication skills • Knowledge of the content of the package of medical services in rheumatology • Acquiring knowledge and skills in order to actively monitor the main chronic rheumatic diseases • The use of theoretical knowledge in the diagnosis and treatment of rheumatic diseases • Identifying the rheumatic pathology of a community and developing a diagnostic and treatment plan

Course content – Syllabus	**Nr. hours**
1. Evaluation of the patient with rheumatic diseases	2
2. General immunology. Inflammation	2
3. Therapy in rheumatic diseases	2
4. Rheumatoid arthritis and related diseases	2
5. Seronegative spondylarthritis	2
6. Systemic lupus erythematosus	2
7. Mixed connective tissue disease	2
8. Systemic scleroderma	2
9. Sjögren's syndrome (primary and secondary)	2
10. Idiopathic inflammatory myopathies	2

11. Antiphospholipid syndrome (primary and secondary)	2
12. Systemic vasculitis	2
13. Arthritis induced by microcrystals. Metabolic bone disease. Other rheumatic disorders (Fibromyalgia, low back pain, abarticular rheumatism)	2
14. Infectious arthritis and amyloidosis. Rheumatic manifestations in other diseases.	2
Content of the laboratory / clinical internship / seminar – Analytical syllabus	**Nr. hours**
1. Clinical examination of the patient with rheumatic diseases	2
2. Drawing up the observation sheet of the patient with rheumatic pathology	2
3. Paraclinical exploration - laboratory tests - of the patient with rheumatic pathology	2
4. Paraclinical -imaging- exploration of the patient with rheumatic pathology	2
5. Medical assistance of the patient with rheumatic pathology	2
6. Invasive diagnostic and treatment maneuvers in rheumatic diseases (punctures, joint biopsy)	2
7. Interdisciplinary consultations in patients with autoimmune rheumatic diseases	2
8. Principles of treatment in rheumatology	2
9. Control and monitoring of chronic degenerative rheumatic diseases	2
10. Control and monitoring of chronic autoimmune rheumatic diseases (PR, SLE, systemic scleroderma, polymyositis, seronegative spondylarthritis, Sjogren's syndrome)	2
11. Control and monitoring of microcrystal-induced arthropathies	2
12. Control and monitoring of metabolic bone diseases (osteoporosis, Paget's disease, aseptic osteonecrosis)	2
13. Control and monitoring of systemic vasculitis	2
14. Evaluation of rheumatic pathology associated with other systemic diseases	2

Minimal bibliography

1. EULAR Co mpendium on Rheumatic Diseases, JWJ Bijlsma, BMJ, 2016
2. A Clinician's Pearls and Myths in Rheumatology, J.H. Stone, Springer, 2 009: 1-493, ISBN: 978-1-84800-933-2
3. Stoica V., S cripcariu V. Compendium of medical-surgical specialties. Vol. 2 – Revised edition. Medical Publishing House. Bucharest 2018
4. Course support taught

Corroborating the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the field of Health

The topics of the course and practical internships are harmonized with the requirements of the Romanian College of Physicians and of the National Society of Rheumatology.

Mode of transmission of information

Forms of activity	Didactic methods used
Course	Interactive presentation of the material according to the analytical program, using video projector, fleepchrat, overhead projector and sheet metal, specific materials
Clinical internship	Presentation of methodological elements, group discussions, in the hospital, group exercise, case analysis, case presentations, documentation visits, project

Minimum performance standard – minimum scale of activities that must be performed by the student at the clinical internship in order to be admitted to the practical examination – to the seminar / project in order to be admitted to the final verification

1. 50 adult consultations (anamnesis, clinical examination, recommendation of paraclinical examinations, interpretation of results – ECG, biochemistry, spirometry – care plan, diet, recipe, control evaluation)
2. It isthe performance of 10 balance sheet exams in the patient with rheumatic pathology
3. Monitoringis performed in 10 patients with rheumatic diseases (PR, SLE, seronegative spondylarthritis, systemic scleroderma, idiopathic polymyositis, gout, osteoporosis)

When determining the final grade, account shall be taken of the	Weighting in scoring, expressed in percentages (Total = 100%)
- answers to the exam / verification (final evaluation)	**60%**
- final responses to practical laboratory work	**20%**
- periodic testing by control works / colloquia	**10%**
- continuous testing during the semester	**5%**
- activities such as themes / papers / essays / translations / projects, etc.	**5%**
- other activities,	

Describe the practical ways of final evaluation: E: Written paper: descriptive and grid test
Internship: oral examination with tickets, practical exam

Minimum requirements for Note 5 (or how to award a grade of 5)	**Note 10 requirements** (or how to award a grade of 10)
• exposure of 3 out of 5 subjects and 2 grid tests	• exposure of 5 subjects and 6 grid tests

Date of completion
2.09, 2020

Discipline holder,
Head of Works Dr Anghel Daniela

Head of Department,
Associate Professor Dan Ioan Ulmeanu, PhD

Course holder,
Head of Works Dr Anghel Daniela

Seminar / laboratory / clinical internship holder,
Head of Works Dr Anghel Daniela

Date of approval in the department
..... 30.09.2020...

TITU MAIORESCU UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2020-2021

DISCIPLINE SHEET

Faculty	**MEDICINE**
Department	**DEPARTMENT OF MEDICAL-SURGICAL AND PROPHYLACTIC DISCIPLINES OF THE FACULTY OF MEDICINE**
Field of study	**HEALTH**
Cycle of studies	**Bachelor's degree**
Study program	**MEDICINE**

Name of the discipline	**NEUROLOGY**					
Teaching position, name and surname of the discipline holder	**Associate Professor Carmen Adella Sirbu, PhD**					
Teaching position, name and surname of the course holder	**Associate Professor Carmen Adella Sirbu, PhD**					
Teaching position, name and surname of the seminar holder / laboratory / clinical internship	**Associate Professor Carmen Adella Sirbu, PhD** **S.L. dr. Furdu-Lunguț Emilia**					
Code of Discipline	**MLE.4.8.10**	Formative category of the discipline			**DS**	
Year of study	**IV**	Semester*	**8**	Type of final assessment (**E, V**)		**E8**
The regime of discipline (O-o bligatorie, Op-op tion, F-f acultative)				**A**	Number of credits	**3**

* *If the discipline has several semesters of study, a sheet is filled in for each semester*

Number of hours per week	**4**	of which classes:	**2**	seminar / laboratory / clinical internship	**2**
Total hours of the curriculum	**56**	of which classes:	**28**	seminar / laboratory / clinical internship	**28**
		Total hours per semester	**75**	Total hours of self-study	**19**

Distribution of the time fund	**Hours**
1. Deciphering and studying course notes	4
2. Study by textbook, course support	5
3. Study of the minimum bibliography indicated	3
4. Additional documentation in the library	0
5. Specific training activity SEMINAR and/or LABORATORY	0
6. Realization of themes, papers, essays, translations, etc.	2
7.Preparation of control works	1
8. Preparation of oral presentations	1
9. Preparation of the final examination	3
10. Consultations	0
11. Field documentation	0
12. Documentation on the Internet	0
13. Tutoring	0
14. Examinations	0

15. Other activities:	0

Course name	**NEUROLOGY**
Discipline-specific professional competences	• Obtaining the capacity of orientation on the diagnosis in neurological diseases and the knowledge of the measures of therapeutic and prophylactic intervention.
Transversal competences	• Acquiring work skills in a multidisciplinary team; • acquiring intercollegiate communication skills, doctor-patient, doctor-assistant; • Use of information and communication technology, • Knowing the risks of prolonged or repeated exposure to wi-fi technology, • Making decisions in emergency medical situations, • Recognition and respect for diversity and multiculturalism, while preserving authentic national values; • Perpetuation of the status of student during the entire professional life, in the sense of permanent preoccupation with knowledge, improvement, self-improvement; • *coping* with Big Data; • Respecting and developing professional, university values and ethics; • Acquiring the principles of professional and university correctness.
The general objective of the discipline	• Understanding the anatomical, physiological and pathophysiological bases of neurological diseases, prophylaxis and treatment measures.
Discipline-specific objectives	• The students' appropriation of general notions of anatomy of the nervous system. • The importance of anamnesis in neurological disorders and knowledge of the main stages of neurological examination. • Recognition of the main neurological disorders, management of neurological emergencies and the importance of interdisciplinarity and teamwork. • Secondary prophylaxis and lifestyle changes for the prevention of cerebrovascular and neurodegenerative diseases. • Awareness of the psychosocial impact of neurological diseases.

Course content – Syllabus	**No. Hours**
1. Introductory course. History of neurology. Anatomy and physiology of the neuron. Notions of molecular biology. Electrophysiology of the neuron. Organization of the central and peripheral nervous system.	**2**
2. Central motor neuron syndrome (NMC). Peripheral motor neuron syndrome (NMP). a. Extrapyramidal syndromes: anatomy, physiology, pathophysiology.	**2**
3. Cerebellar syndrome – physiology, pathophysiology. Vestibular syndromes, physiology, semiology. Sensory syndromes. Dissociation of sensitivity from tabetic and syringomyelistic type.	**2**
4. Control work: Organization and functioning of the nervous system.	**2**
5. Pathology of the peripheral nervous system. Plexites, mononeuritis, polyradiculopathy.	**2**
6. Cranial nerves. Anatomy, physiology, pathogenesis, treatment.	**2**
7. The crisis of loss of consciousness. Classification of epilepsy. Etiology, pathophysiology, types of epilepsy. Epilepsy as an entity and epileptic syndromes. Current treatment of epilepsy. Addressing crises of loss of consciousness.	**2**
8. Vascularization of the brain: anatomy and physiology. Strokes: risk factors and prevention measures. Strokes: ischemic, transient and constituted and hemorrhagic. Clinic, diagnosis, treatment. Stroke in young people. Cerebral venous thrombosis. Stroke-unit.Interventional neurology.	**2**
9. Neuroinfections. Types of neuroinfections ; etiological factors, pathogenesis, semiology, diagnosis, a. treatment.	**2**

10. Craniocerebral and vertebromedular traumas. Incidence, pathogenesis, semiology, emergency treatment and neurorecovery. Neuroplasticity, neurogenesis, synaptogenesis, angiogenesis.	**2**
11. Brain and medullary tumors. • Syndrome of intracranial hypertension -HIC : pathogenesis, semiology, treatment . • Tumors of the spinal cord, semiology, therapeutic attitude.	**2**
12. Encephalopathies.Comele, definition, pathogenesis, semiology, therapeutic attitude.	**2**
13. Acute respiratory failure of neurological cause. Pathology of the muscular system. Hereditary and acquired neuro-muscular diseases.	**2**
14. Myasthenia. Myasthenic syndromes. Pathophysiology, semiology, treatment.	**2**
Content of the clinical internship – Analytical syllabus	No. Hours
1. Anamnesis in neurology	**5**
2. Paraclinical investigations in neurology.	**5**
3. Neurological clinical examination	**5**
4. Neurological syndromes (NMC, NMP, aphasias, apraxias, cranial neuropathies)	**4**
5. Examination of the comatose patient.	**5**
6. Examination of the vascular patient	**4**

Minimal bibliography

1. Mayo Clinic Neurology Board Review (SET) (Mayo Clinic Scientific Press)Jun 25, 2015 Kelly D Flemming and Lyell K Jones
2. Bradley's Neurology in Clinical Practice E-Book 7th Edition, Kindle Edition by Robert B. Daroff , Joseph Jankovic, John C Mazziotta , Scott L Pomeroy , 2015
3. Neuroanatomy: An Atlas of Structures, Sections, and Systems, 8th Ed., Duane E. 2012
4. Merritt's Neurology 13th ed., Lewis P. Rowland MD, Timothy A. Pedley MD , 2016
5. Adams and Victor's Principles of Neurology 11th Edition, Allan Ropper , Martin Samuels , 2019
6. Neurology: A Queen Square Textbook, Sep 6, 2016 Charles Clarke ,Robin Howard
7. Samuel's Manual of Neurological Therapeutics, May 17, 2017, Martin Samuels, Allan H. Ropper MD
8. Netter's Concise Neurology Updated Edition, 1e (Netter Clinical Science), 2016 Karl E. Misulis MD PhD , Thomas C. Head MD
9. Lange Clinical Neurology and Neuroanatomy: A Localization-Based Approach, 2016. Aaron Berkowitz
10. Course support taught

Corroborating the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the field of Health

Neurology is a synthesis of medical conditions because any of these can give neurological complications. Thus, the graduate, whether he remains a family doctor or specializes in any other specialty, meets with primary or secondary neurological disorders arising due to other diseases.

Mode of transmission of information

Forms of activity	**Didactic methods used**
Course	The courses begin with a few minutes of remembrance of the main notions previously taught. Then the questions formulated by the students are answered, regarding the courses taught. The course plan is displayed. We proceed to the detailed presentation of each chapter. The course ends with the key notions that are essential for that exposure. In the selected cases, small topics are established that will be presented by the students, announced 4 weeks in advance, to allow them to prepare. The courses are interactive, presented modernly in power point, held at appropriate times and in friendly spaces (wide, bright, sunny, soundproofed, with a sufficient number of seats for all students)
Clinical internship	Clinical case presentations. Support through oral PowerPoint presentations. Sketches and drawings via flip-chart.

Minimum performance standard – minimum scale of activities that must be performed by the student at the clinical internship in order to be admitted to the practical examination – to the seminar / project in order to be admitted to the final verification
1. Anamnesis of the patient 2. Motility examination 3. Sensitivity examination 4. Examination of the cranial nerves 5. Recognizing the signs of stroke 6. To establish the topographical diagnosis based on the defined clinical syndromes 7. Examination of the comatose and/or aphasic patient

When determining the final grade, account shall be taken of the	**Weighting in scoring, expressed in percentages (Total = 100%)**
- answers to the exam / verification (final evaluation)	**70 %**
- final responses to practical laboratory work	**20 %**
- periodic testing by control works / colloquia	**-**
- continuous testing during the semester	**-**
- activities such as themes / essays / essays / translations / projects / presentations, etc.	**10 %**
- other activities,	**-**

Describe the practical modalities of the final evaluation.

- the final evaluation is chosen by mutual agreement with the students, at the beginning of the academic year, according to the university's book. It is mainly in the form of a written work. This consists of a grid test with 20 questions, in two different copies to be distributed on 2 numbers, respectively 1 and 2, drawn by students. If the students decide on an oral examination, then the topics from which 10 themes will be extracted are established, numbered from 1 to 10, depending on the complexity, according to the scale.
- -for the practical exam, there are established some main themes for the passing grade, but also some more special ones for those who want a higher grade than the passing one. These topics are announced in advance, and on the day of the exam a few are established, by drawing lots.

Minimum requirements for Note 5 (or how to award a grade of 5)	**Note 10 requirements** (or how to award a grade of 10)
- Knowledge of general notions about the subject, without the possibility to render the elements of detail. **- Obtaining an average of over 7 in practical works.** **- Attendance at 50% of the courses**	**- Accurate presentation of the subject required at the examination.** **- Grades above 8 on all written examinations and practical papers.** **-Attendance at over 70% of the courses**

Date of completion
24.09.2020

Discipline holder,
Associate Professor Carmen Adella Sirbu, PhD

Head of Department,
Associate Professor Dan Ulmeanu, PhD

Course holder,

Associate Professor Carmen Adella Sirbu, PhD

Seminar / laboratory / clinical internship holder,
Assoc. Prof. Carmen Adella Sirbu, PhD
S.L. dr. Furdu-Lunguț Emilia

Date of approval in the department
30.09.2020

TITU MAIORESCU UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2020-2021

DISCIPLINE SHEET

Faculty	**MEDICINE**
Department	**Department of Medico-Surgical and Prophylactic Disciplines**
Field of study	**HEALTH**
Cycle of studies	**Bachelor's degree**
Study program	**Medicine**

Name of the discipline	**GENERAL SURGERY (II)**				
Teaching position, name and surname of the discipline holder	**Prof. Univ. Dr. Ungureanu Dan Florin**				
Teaching position, name and surname of the course holder	**Prof. Univ. Dr. Ungureanu Dan Florin**				
Teaching position, name and surname of the seminar holder / laboratory / clinical internship	**Ş. L. Dr. Moldovan Cosmin** **I assist. Univ. Dr. Gâdea Alexandru** **Drd. Marinciu Adina** **Drd. Toba Madalina**				
Code of Discipline	**MLE.4. 8. 11**	Formative category of the discipline		**SS**	
Year of study	**IV**	Semester*	**8**	Type of final assessment (**E, V**)	**E8**
The regime of discipline (O-o bligatorie, Op-op tion, F-f acultative)		**A**	Number of credits		**4**

** If the discipline has several semesters of study, a sheet is filled in for each semester*

Number of hours per week	**6**	of which classes:	**2**	seminar / laboratory / clinical internship	**2**
Total hours of the curriculum	**56**	of which classes:	**28**	seminar / laboratory / clinical internship	**28**
		Total hours per semester	**100**	Total hours of self-study	**44**

Distribution of the time fund	**Hours**
1. Deciphering and studying course notes	4
2. Study by textbook, course support	4
3. Study of the minimum bibliography indicated	4
4. Additional documentation in the library	3
5. Specific training activity SEMINAR and/or LABORATORY	3
6. Realization of themes, papers, essays, translations, etc.	3
7.Preparation of control works	3
8. Preparation of oral presentations	2
9. Preparation of the final examination	4
10. Consultations	4
11. Field documentation	2
12. Documentation on the Internet	4
13. Tutoring	2

14. Examinations	2
15. Other activities:	0

Course name	**GENERAL SURGERY (II)**
Discipline-specific professional competences	• Knowledge of pathological peculiarities and morbid associations of the surgical patient, assimilation of notions of preoperative preparation and postoperative follow-up of the surgical patient as well as knowledge of the basic principles of classical surgical treatment and modern means of minimally invasive treatment. • The ability to integrate into a multidisciplinary activity that allows the identification of the optimal therapeutic solution as well as the possibilities of adaptation to teamwork. • Ability to devise a suitable therapeutic plan yourself.
Transversal competences	• Efficient use of communication resources and assisted professional training (Internal portals, specific applications, databases, online applications) both in the romana language and in an international language. • Carrying out a work or a project by responsibly executing tasks specific to the role of working in a multidisciplinary team. • Acquiring skills of teamwork, oral and written communication, use of information technology, availability for learning autonomy and openness for lifelong learning, respecting and developing professional ethics
The general objective of the discipline	• Learning the basics regarding the pathophysiology, diagnosis and treatment of surgical disorders. Knowledge of imaging and laboratory explorations. • Attitude in emergencies belonging to the sphere of general surgery. • Performing anamnesis and complete clinical examination as well as knowing the basic surgical procedures, requesting appropriate complementary investigations, formulating a positive and differential correct diagnosis. • Conceiving and applying a therapeutic plan appropriate to the identified condition
Discipline-specific objectives	• Knowledge of the instruments used in small surgery interventions. • Learning the examination maneuvers specific to the general surgery. Surgical patient care. • Principles of surgical technique. • Attitude in surgical emergencies.

Course content – Syllabus	**Nr. hours**
THEME 1. Acute pancreatitis. Aacute hemorrhagic bdomen	2
THEME 2. Intestinal occlusion. Enterogenesis infarction.	2
THEME 3. Diffuse and localized acute peritonitis. Acute appendicitis. Perforated ulcer.	
THEME 4. Cirrhosis of the liver, HTP and hypersplenism	2
THEME 5. Peripheral arterial vascular diseases: • Peripheral acute ischemia. Thrombangiitis obliterans; • Obliterating atherosclerosis of peripheral arteries; • Principles of peripheral vascular surgery.	2
THEME 6. Peripheral venous and lymphatic vascular disorders: • Varicose disease; • Thromboembolic disease and postthrombotic syndrome. Principles of anticoaggluent treatment. • Deep phlebitis of the lower memebrelor.	2
THEME 7. Modern concepts in sepsis and principles of surgical antibiotherapy .	2
THEME 8. Traumatic pathology : • O-abdominal thoracic trauma	2
THEME 9. Benign surgical pathology of the mammary gland: • Acute and chronic infections, dystrophic lesions benign tumors.	2
THEME 10. Malignant surgical pathology of the mammary gland: • Precancerous states. Breast cancer;	2

Course content – Syllabus	Nr. hours
• Tpalliative and radical surgical failure.	
THEME 11. Benign thyroid pathology: • Endemic goiter. Thyroiditis	2
THEME 12. Malignant thyroid pathology: • Thyroid cancer • Methods of palliative treatment. Surgical treatment with radicality visa	2
THEME 13. Hypovolemic, anaphylactic and cardiogenic shock • Pathophysiology mechanisms • Emergency treatment of various forms of shock	2
THEME 14. Burns and combustional shock	2

Laboratory content – Analytical syllabus	Nr. hours
1. The thesis of presenting clinical cases for competition in surgery (vol. II, pp. 9-21).	8
2. Preoperative preparation and postoperative care (vol. I, chap. 21 and 22, pp. 116-119).	8
3. Assessment of the surgical risk of the associated organic dysfunctions and anesthetic-surgical risk scales (vol. II, pp. 23-45).	8
4. Surgical bleeding and transfusion (vol. II, pp. 51-61).	8
5. Localized and generalized surgical infections (vol. I, chap. 24, pp. 123-138). Antibiotherapy in surgery (vol. I, chap. 20, pp. 114-115).	8
6. Upper and lower digestive endoscopy (vol. I, chap. 8, pp. 286- 289). Endoscopic retrograde cholangiopancreatography – ERCP (vol. I, chap. 9, pp. 290-293).	7
7. Current techniques in laparoscopic surgery (principles of surgical technique). (vol. 2, chap. 16,17,18,19,20, pp. 331-365).	7
8. Practical examination	2

Minimal bibliography

1. F.D. Ungureanu, Chirurgia abscesselor hepatice, Ed. Printech, 2005.
2. F.D. Ungureanu, Laparoscopic surgery of hiatal hernias, Printech Publishing House, 2005.
3. F.D. Ungureanu, Polimorfism lezional al unghiului duodeno-jejunal Treitz, Ed. Printech, 2005.
4. F.D. Ungureanu, Current techniques in classical and laparoscopic surgery, Printech Publishing House, vol. 1, 2005.
5. F.D. Ungureanu, Current techniques in classical and laparoscopic surgery, Printech Publishing House, vol. 2, 2005.
6. F.D. Ungureanu, Course of Surgery - Vol 1 – 3rd edition: Surgical pathology of the esophagus; Surgical pathology of the small intestine, Titu Maiorescu Publishing House, Bucharest 2012;
7. F.D. Ungureanu, Course of Surgery - Vol 2 : Surgical pathology of the liver; Thoraco-abdominal traumas, Bucharest 2014;
8. F.D. Ungureanu, Course of Surgery - Vol 3 : Surgical pathology of the pancreas; Pathologiesof biliary tract surgery, Bucharest 2014;
9. F.D. Ungureanu, Course of Surgery - Vol 4 : Surgical pathology of stoamac; Pathologiesof colorectal surgery; Acute appendicitis; Abdominal parietal defects; Peripheral venous pathology, Bucharest 2014;
10. N. Angelescu, Treatise of Surgical Pathology, Medical Publishing House 2001, Vol. 1
11. N. Angelescu, Treatise of Surgical Pathology, Medical Publishing House 2001, Vol. 2

Corroborating the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and employersor representative employers in the field ofhealth

All the topics taught at the course and practical internships are exposed in the didactic and scientific materials of the discipline, monographs, guides, courses, in which the latest data from the national and international specialized literature are taken over, corresponding to the maximum expectations of the representatives of the epistemic community, professional associations and employersor representatives in the field ofhealth in the

country. Most of the topics exhibited have the correspondent of the scientific content requested by the bibliography of the national residency contest.

Mode of transmission of information	
Forms of activity	**Didactic methods used**
Course	2-hour course assisted by on-screen videopoiection (presentations in Power Point system); Drawings on the flipchart and magnetic board.
Clinicaltagium s	Practicing in the dressing room and rooms of the general surgery department, of the examination methods, presentation of the clinical cases highlighting the specific lesions and methods of treatment, assimilation of the patient's care techniques and of the basic therapeutic notions and of the principles of surgical procedures e. Prendering and explicarea the notions from the guides of practical works, observation of surgical interventions transmitted live from the block of aperator through the video system integrated in the scialitic lamps, daily recording of the cases presented in the casuistry notebook of the internship, periodic evaluations in the form of weekly seminars and half-yearly test.

Minimum performance standard – minimum scale of activities that must be performed by the student at the practical works / clinical internship in order to be admitted to the practical examination – to the seminar / project in order to be admitted to the final verification

For admission to the practical internship exam:

- Complete restoration of absences at the clinical stage;
- The presence of the student at all seminars;
- Completion of the casuistry notebook;
- Promotion to the written assessment tests during the semester.

Evaluation at the clinical stage:

- Oral presentation of the clinical case selected from the casuistry available in the Surgery Clinic;
- Correct performance of clinical maneuvers registered in the technique of objective examination with references to the selected case;
- Knowledge of normal and patholic values of biological constants;
- Knowledge of the minimum instruments required for small surgical interventions;
- Correct interpretation of imaging;
- Detailed knowledge of the means of asepsis and surgical antisepsisof.

For admission to the final evaluation:

- Attendance at 80% of the courses taught;
- Passing the practical oral examination;
- Promotion of periodic testing during the semester;
- Promotion of weekly seminars.

When determining the final grade, account shall be taken of the	**Weighting in scoring, expressed in percentages (Total = 100%)**
- answers to the exam / verification (final evaluation)	**50%**
- final responses to practical laboratory work	**20%**
- periodic testing by control works / colloquia	**10%**
- attendance at the course during the semester	**10%**
- internship booklet: themes, reports, translations, clinical cases, projects.	**10%**

Describe the practical modalities of the final evaluation, E

Paper written with 10 questions from the topics of the courses taught during 3 hours

Minimum requirements for Note 5 (or how to award a grade of 5)	**Note 10 requirements** (or how to award a grade of 10)
• Passing the clinical internship examination • Correct answer to 5 questions from the final written evaluation or partial presentation of the topics in the course topic	• Passing the clinical internship exam with at least a grade of 9

• The correct exposure but it isthe incomplete performance of the clinical maneuvers of examination of the patient • The correct description of the minimum surgical instruments necessary for a small surgery, without being able to adapt the surgical kit to the specifics of the intervention. • Approximate knowledge of the diagnosis and therapeutic principles. • Knowledge and approximate interpretation of biological constants and imaging.	• Correct and complete answer to the questions from the final evaluation or full exposure of the topics in the surgical topic • Correct presentation of the clinical case, with complete and correct differential diagnosis, principles of treatment learned and correctly presented. • Identification of all the components of the surgical kit as well as the adaptation of the instruments to the specifics of the intervention. • Detailed knowledge of biological constants and medical imaging data. Correct interpretation. • Detailed knowledge of anesthetic-chriurgical risk scales.

Date of completion
16. 09.201 9

Discipline holder,
Prof. Univ. Dr. Ungureanu Dan

Course holder,
Prof. Univ. Dr. Ungureanu Dan

Head of Department,
Assoc. Prof. Dr. Ulmeanu Dan

Seminar / laboratory / clinical internship holder,
S. L. Dr. Moldovan Cosmin
I assist. Univ. Dr. Gâdea Alexandru
Drd. Marinciu Adina
Drd. Tobă Mădălina

Date of approval in the department
30.09.2019

TITU MAIORESCU UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2020-2021

DISCIPLINE SHEET

Faculty	**MEDICINE**
Department	**Department of Medico-surgical and Prophylactic disciplines**
Field of study	**HEALTH**
Cycle of studies	**Bachelor's degree**
Study program	**General Medicine**

Name of the discipline	**ENDOCRINOLOGY**				
Teaching position, name and surname of the discipline holder	**Lecturer Dr. Comanici Adrian Vasile**				
Teaching position, name and surname of the course holder	**Lecturer Dr. Comanici Adrian Vasile**				
Teaching position, name and surname of the seminar holder / laboratory / clinical internship	**Lecturer Dr. Comanici Adrian Vasile**				
Code of Discipline	**MLE.4.8.12**	Formative category of the discipline		**SS**	
Year of study	**IV**	Semester*	**8**	Type of final assessment (**E, V**)	**E8**
The regime of discipline (O-o bligatorie, Op-op tion, F-f acultative)		**A**	Number of credits		**3**

** If the discipline has several semesters of study, a sheet is filled in for each semester*

Number of hours per week	4	of which classes:	**2**	seminar / laboratory / clinical internship	**2**
Total hours of the curriculum	**56**	of which classes:	**28**	seminar / laboratory / clinical internship	**28**
		Total hours per semester	**75**	Total hours of self-study	**19**

Distribution of the time fund	Hours
1. Deciphering and studying course notes	5
2. Study by textbook, course support	5
3. Study of the minimum bibliography indicated	3
4. Additional documentation in the library	0
5. Specific training activity SEMINAR and/or LABORATORY	3
6. Realization of themes, papers, essays, translations, etc.	0
7.Preparation of control works	0
8. Preparation of oral presentations	0
9. Preparation of the final examination	3
10. Consultations	0
11. Field documentation	0
12. Documentation on the Internet	0
13. Tutoring	0
14. Examinations	0

15. Other activities:	0

Course name	**Endocrinology**
Discipline-specific professional competences	General notions about endocrine pathology. The main, endocrine disorders (according to the curriculum): definition, etiopathogenesis, diagnosis, differential diagnosis, treatment, prophylaxis. Learning to examine the patient with endocrinological pathology.
Transversal competences	Notions of auxology. Endocrinological imaging.
The general objective of the discipline	Presentation of the main endocrine disorders. Learning to examine the patient with endocrinological pathology. The composition and implementation of nursing plans in the case of patients with endocrine diseases.
Discipline-specific objectives	The learning of the notions of endocrinological medical practice.

Course content – Syllabus	No. Hours 28
1. - General endocrinology - Definition of endocrine system. The concept of the universality of the endocrine phenomenon (of "*intercellular biochemical communication*"). Hormone-secreting cell - the target cell. The hormone-receptor complex as a functional unit of the endocrine system. Genetic determinism and environmental influences. Notions of endocrine physiology (hypothalamic hormones, pituitary hormones, thyroid hormones, adrenal hormones, male sex hormones, female sex hormones, introduction to clinical endocrinology). Endocrine receptor and receptor pathology. Research in experimental and clinical endocrinology, aspects of medical practice. Evolution of medical endocrinology. The evolution of endocrinology from a historical point of view and the prospects for the development of endocrinology.	2
2. – Hypothalamus - physiology, morphofunctional exploration. Endovrine pathology associated with dysfunctions at the hypothalamic level.	2
3. – Retrohypophysis - Investigation and care of patients with disorders of antidiuretic hormone secretion, with elliptic disorders and acid-based balance. Pineal gland.	2
4. – Pituitary pathology (secreting and unsecretory tumors, pituitary insufficiency, pituitary dwarfism, pituitary coma).	2
5. – General notions of auxology. Normal and pathological growth and development.	2
6. – Thyroid - morphology, physiology, morphofunctional exploration. Pthyroid atologie (conditions caused by iodized deficiency, thyrotoxicosis, hypothyroidism, thyrotoxic coma, myxedematic coma, inflammatory thyroid disorders).	2
7. – Nodular thyroid pathology, thyroid cancer, multiple endocrine neoplasia, gastrointestinal and pancreatic endocrine tumors.	2
8. – Parathyroid pathology (hyperparathyroidism, hypoparathyroidism), osteoporosis. Parathyroid - morphology, physiology, morphofunctional exploration. Phosphocalcic homeostasis (vit. D3, PTH, Calcitonin). Hyperparathyroidism. Acute hypercalcemia. Hypoparathyroidism. Acute hypocalcemia. Osteomalacia and rickets. Osteoporosis.	2
9. Adrenal pathology (acute and chronic primary adrenal insufficiency, hypercortizolism, hyperaldosteronism, congenital adrenal hyperplasia), medulosuprarenal (pheochromocytoma and paraganglion). Endocrine HTA. Corticotherapy.	2
10. – Disorders of sexual development Normal sexual differentiation. Physiological puberty. Early and late puberty. Gonad pathology - Primary amenorrhea. Secondary amenorrhea. Hirsutism. Hyperestrogenism - absolute and relative - and its clinical consequences	2
11. – Ovary - morphology, physiology, morphofunctional exploration. Tdisorders of sexual development (Turner syndrome, Klinefelter syndrome, androgen resistance), ovarian failure, polycystic ovary, infertility, hormonal contraception. Menopause.	2
12. – Testicular pathology: Cryptorchidism. Orhitic insufficiency. Secreting gonadal tumors. Erectile dysfunction. Investigation and treatment of endocrine infertility (female, male and couple).	2
13. – Imaging means of evaluation of patients with endocrinological pathology -	2

14. – Investigation and care of patients with agiddyness. Disorders of eating behavior - anorexia nervosa, bulimia. The role of hormones in the intermediate metabolism of carbohydrates, lipids, proteins. Endocrino-metabolic emergencies. The role and involvement of the nurse.	2
Content of the laboratory / clinical internship / seminar – Analytical syllabus	No. Hours 28
1. General notions of evaluation of the patient with endocrinological pathology. Presentation of the general clinical observation sheet. The administrative role of the chief nurse. Organization of medical assistance service in the endocrinology clinic.	2
2. Acromegaly/gigantism, amenorrhea-galactorrhea syndrome, prolactinoma, Cushing's disease. clinically nonfunctional pituitary adenomas, pituitary isolation syndrome. Craniopharyngeoma, diabetes insipidus.	2
3. Pituitary dwarfism. Auxological notions. - diagnostic and treatment protocol, procedures, paraclinical investigations (laboratory samples, dynamic tests, imaging investigations), methodology and technique of patient care.	2
4. Thyroid insufficiency (adult,child). Congenital myxedema. Basedow-Graves disease. Thyroiditis. Endemic goiter.	2
5. Thyroid node. Thyroid cancer.	2
6. Hyperparathyroidism. Hypoparathyroidism. Osteoporosis.	2
7. Cushing syndrome. Primary chronic adrenal insufficiency. Acute adrenal insufficiency. Hyperaldosteronism. Pheochromocytoma/paraganglioma. Adrenogenital syndrome.	2
8. Klinefelter syndrome. Turner syndrome. Syndrome of unreceptiveness in androeni. Polycystic ovary syndrome. Hirsutism. Couple infertility.	2
9. Early puberty. Late puberty. Cryptorchidism	2
10. Obesity. Hypoglycemic syndrome.	2
11. Pathology of the mammary gland. Iatrogenic endocrine pathology.. Gynecomastia.	2
12. Menopause disorders. -.	2
13. The role of imaging in endocrinological pathology.	2
14. Diagnostic and treatment protocols, procedures, paraclinical investigations (laboratory samples, dynamic tests, imaging investigations), methodology and technique of patient care. Laboratory notions: the way of collecting biological samples and the clinical interpretation of hormonal results.	2
Minimal bibliography	
1. Ghid de endocrinologie clinic, E. Zbranca, Ed. Polirom Ed.I-1999/ Ed.II-2007 Ed.III-/2008. 2. Clinical Endocrinology – 2015 - Constantin Dumitrache, Publishing House: National 3. Endocrinology clinic - course notes, M. Coculescu, Ed. Universitara "Carol Davila", 2004. 4. ENDOTEXT-The FREE Complete Source for Clinical Endocrinologist http://www.endotext.org/ 5. Harrison Endocrinology - J Larry Jameson, Ed. ALL MEDICALL, Year of Appearance: 2014 6. Course support taught	

Corroborating the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the field of Health
The topics of the course and practical internships are harmonized with the requirements of the Romanian College of Physicians and of the Romanian Society of Endocrinology and with the topic for the residency exam

Mode of transmission of information	
Forms of activity	**Didactic methods used**
Course	Course support through oral presentation, electronic support support (Power Point presentations), individual demonstrations.
Laboratory / clinical internship / seminar	Case presentation, microcursions, evaluation and examination of the patient admitted to the Endocrinology Clinic - CF2 Clinical Hospital Bucharest.

Minimum performance standard – minimum scale of activities that must be performed by the student at the practical works / clinical internship in order to be admitted to the practical examination – to the seminar / project in order to be admitted to the final verification
- applying and consolidating thetheoretical knowledge acquired in the course;

- final responses to practical laboratory work - continuous testing during the semester - periodic testing by control works / colloquia - answers to the exam / verification (final evaluation)

When determining the final grade, account shall be taken of the	**Weighting in scoring, expressed in percentages (Total = 100%)**
- answers to the exam / verification (final evaluation)	**50%**
- final responses to practical laboratory work	**10%**
- periodic testing by control works / colloquia	**20%**
- continuous testing during the semester	**10%**
- activities such as themes / papers / essays / translations / projects, etc.	**10%**
- other activities (scientific papers, publications)	**10%**

Describe the practical ways of final evaluation, E/V. Exam with editorial topics

Minimum requirements for Note 5 (or how to award a grade of 5)	**Note 10 requirements** (or how to award a grade of 10)
• presentation for the exam • going through periodical tests through control works on practical works with correct final answers, respectively obtaining satisfactory scores during these tests during the semester • correct completion of some subjects at the final exam (minimum scale).	• Correct completion of all the requirements of the final exam. • If this is the case, the student who participated in activities such as essays / essays / translations receives 20% at the final grade.

Date of completion
24.09.2020

Discipline holder,
Lecturer Dr. Comanici Adrian Vasile

Head of Department,
Associate Professor Ulmeanu Dan Ioan, PhD

Course holder,
Lecturer Dr. Comanici Adrian Vasile

Seminar / laboratory / clinical internship holder,
Lecturer Dr. Comanici Adrian Vasile

Date of approvalin the department
... 30.09.2020

"TITU MAIORESCU" UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2020-2021

DISCIPLINE SHEET

Faculty	**MEDICINE**
Department	**DEPARTMENT OF MEDICAL-SURGICAL AND PROPHYLACTIC DISCIPLINES**
Field of study	**HEALTH**
Cycle of studies	**Bachelor's degree**
Study program	**MEDICINE**

Name of the discipline	**ORTHOPEDICS AND TRAUMATOLOGY**				
Teaching position, name and surname of the discipline holder	**PROF. UNIV. DR. NICULESCU MARIUS**				
Teaching position, name and surname of the course holder	**PROF. UNIV. DR. NICULESCU MARIUS**				
Teaching position, name and surname of the seminar holder / laboratory / clinical internship	**As. Univ. DR. MATLAC ILEANA CARMEN**				
Code of Discipline	**MLE.4.8.13**	Formative category of the discipline		**SS**	
Year of study	**IV**	Semester*	**8**	Type of final assessment (**E, V**)	**E8**
The regime of discipline (O-o bligatorie, Op-op tion, F-f acultative)		**A**	Number of credits	**4**	

** If the discipline has several semesters of study, a sheet is filled in for each semester*

Number of hours per week	**4**	of which classes:	**2**	seminar / laboratory / clinical internship	**2**
Total hours of the curriculum	**56**	of which classes:	**28**	seminar / laboratory / clinical internship	**28**
		Total hours per semester	**100**	Total hours of self-study	**44**

Distribution of the time fund	**Hours**
1. Deciphering and studying course notes	12
2. Study by textbook, course support	6
3. Study of the minimum bibliography indicated	2
4. Additional documentation in the library	2
5. Specific training activity SEMINAR and/or LABORATORY	2
6. Realization of themes, papers, essays, translations, etc.	4
7. Preparation of control works	2
8. Preparation of oral presentations	2
9. Preparation of the final examination	2
10. Consultations	2
11. Field documentation	2
12. Documentation on the Internet	2
13. Tutoring	2

14. Examinations	2
15. Other activities:	0

Course name	**ORTHOPEDICS AND TRAUMATOLOGY**
Discipline-specific professional competences	• **Knowledge, understanding, explanation and interpretation** - The course will expose to the audience a point of view on a subject under the conditions of a work plan, without interruptions through questions but following by specific means the reception of the desired message. - The practical works will verify, through practice, the understanding of the specific notions of the Orthopedics-Traumatology Discipline, the pathophysiological and anatomo-pathological context, the ways of expressing the disorders produced (semiology), the possibilities of intervention of the doctor in accordance with the ethical-professional principles. Developing the spirit of medical-professional responsibility • **Instrumental-applicative** - the student must be able to examine a patient with osteoarticular traumatic injury, - to interpret laboratory analyses, radiographic documents and MRI, - to prove its capacity to synthesize anamnestic, clinical and paraclinical data in a diagnosis followed by the establishment of a therapeutic conduct (curative, preventive or recovery) • **Attitudinal** - the student must become able to evaluate his knowledge and attitudes in the pertinent use of knowledge for a correct, effective and responsible therapeutic exercise
Transversal competences	• Todemonstrateconcern for professional development by training critical thinking skills • To demonstrate involvement in scientific activities, such as the elaboration of articles and specialized studies • To participate in scientific projects, compatible with the requirements of integration into European education
The general objective of the discipline	• Ability to analyze and synthesis • Ability to organize • Understanding • Ability to evaluate and self-evaluate • The ability to work in a team • The ability to have ethical behavior
Discipline-specific objectives	• Organization of the orthopedics and traumatology service • Knowledge of the notions of asepsis and antisepsis in orthopedics • Preparation of the clinical observation sheet of a patient with orthopedic disease • Examination of the patient with orthopedic or traumatic conditions • Presentation of etiopathogenesis and classifications specific to the discipline • Notions of diagnosis (clinical, paraclinical, imaging) and treatment (orthopedic, surgical and recuperative) • Knowledge of specific implants and materials in orthopedics and traumatology

Course content – Syllabus	**Nr. hours**
1. Semiology of traumatic and nontraumatic injuries of the musculoskeletal system. The main ways and means of treatment	2
2. Fractures of the clavicle, scapula, humerus, bones of the forearm, fist and hand	2

3. Dislocations and other joint damage to the upper limb	2
4. Fractures of the spine and pelvis	2
5. Fractures of the femur, patella, calf and leg bones	2
6. Traumatic dislocation of the hip knee injuries (recent and old ligament injuries, meniscal injuries, injuries of the extensor apparatus, dislocations of the knee), sprains and dislocations of the ankle and foot. .	2
7. Pseudarthrosis, vicious callus, open fracture and other complications of lesions of the musculoskeletal system	2
8. Polytrauma	2
9. Bone and joint infections: acute and chronic osteomyelitis, osteoarticular tuberculosis. Parasitic diseases with bone localization	2
10. Tumors of the bone: generalities, classification, therapeutic principles, results. Benign tumors, primitive malignant bone tumors, secondary malignant bone tumors. Essential bone cyst, fibrous dysplasia	2
11. Malformations of the musculoskeletal system. Congenital coxo-femoral dislocations. Congenital crooked leg. Congenital pseudarrtrosis of the tibia. Epiphysisolysis and congenital coxa-summer	2
12. Deviations of the spine (scoliosis, kyphosis, kyphoscoliosis)	2
13. Osteonecrosis, discopathies. static deformities of the foot, degenerative and wear diseases ofthe locomotor e.	2
14. Locomotor sequelae of some neurological disorders: polio, paralysis of the brachial plexus, infantile cerebral palsy. Amputations, pathophysiology of amputation abutment, generalities over prostheses and orthopedic devices	2
Content of the clinical internship – Analytical syllabus	Nr. hours
1. Semiology of fractures, sprains and dislocations. Posture splint, plastering apparatus, orthosisand external prosthesis	2
2. Semiology and treatment methods of fractures of the clavicle, scapula, humerus, bones of the forearm, fist and hand	2
3. Emergency and programmed semiology and treatment of sprains, dislocations and joint wounds of the upper limb	2
4. Fractures of the spine and pelvis: plastered corset, hammock, external and internal fixation	2
5. Temporary immobilization, stabilization of the fracture focus and osteosynthesis in fractures of the femur, patella, calf and leg bones. Follow-up of the treatment of the discharged patient (in Ambulatory and at home).	2
6. Reduction of traumatic dislocations (mimicking maneuvers or practical execution when possible)	2
7. Examples of pseudarthrosis, vicious callus, open fracture or other complications of locomotor injuries	2
8. Polytrauma	2
9. Osteitis, arthritis, TB osteoarthritis, bone hydatid cyst	2
10. Semiology of primary or secondary bone tumors, benign or malignant. Therapeutic conduct and follow-up of evolution.	2
11. Detection and follow-up of corrector treatment in malformations of the musculoskeletal system.	2
12. Semiology, preventive and curative therapeutic attitude in spinal deviations (scoliosis, kyphosis, kyphosis, kyphoscoliosis).	2
13. Semiology, complications and treatment of curative and prophylactic in osteonecrosis, discopathies. static deformities of the foot, degenerative and wear diseases of the locomotor apartat.	2
14. Locomotor sequelae of some neurological disorders: polio, paralysis of the brachial plexus, infantile cerebral palsy. Amputations, pathophysiology of amputation abutment, generalities over prostheses and orthopedic devices	2
Minimal bibliography	
1. Irinel Popescu, under the editorial office. Orthopedics-Traumatology. Vol. X of the Surgery Treaty. Romanian Academy. 2018. 2. Dinu M. Antonescu. Pathology of the Musculoskeletal System. Vol. I. Medical Publishing House. 2018. 3. Antonescu D. – Pathology of the musculoskeletal system vol. 1 – Medical Publishing House 2006 4. Antonescu D. – Pathology of the musculoskeletal system vol. 2 – Medical Publishing House 2007	

5. Firică A. - Physical examination of patients with osteoarticular apparatus disorders - National Publishing House, Bucharest, 1998

Corroborating the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the field of Health
The content of the discipline is in line with what is done in other university centers in the country and abroad. It provides knowledge of different types of examinations and procedures in orthopedics and traumatology and the technique of their drafting. Knowledge of the medical legislation in Romania in order to correctly draw up the medical documents. Acquiring some elementary notions of the relationship between the related surgical and medical specialties. Acquiring some elementary notions of orthopedic and traumatological medical practice.

Mode of transmission of information	
Forms of activity	**Didactic methods used**
Course	Interactive programmed education; multimedia projection of the course support
Clinical internship	The clinical internship will consist in the direct contact of the students with the patient, through visits to the ward, exemplifying the instruments and surgical techniques as well as through active participation in operations.

Minimum performance standard - minimum scale of activities to be performed by the student at the clinical internship pentru to be admitted to the final verification

- notions of normal and pathological bone radiology
- paraclinical investigations (indications, possibilities, limits), laboratory, pathological anatomy, scintigraphy, TAC, MRI
- osteosynthesis materials
- first aid in traumatic conditions
- maneuvers to reduce the most common fractures
- maneuvers to reduce the most common dislocations
- gypsum appliances
- thoraco-brachial dressings
- transscheletic extension
- case presentations
- making a gypsum splint
- manufacture of a gypsum apparatus
- application of a thoraco-brachial bandage
- reduction of scapulo-humeral dislocation
- reducing elbow dislocation
- reduction of fractures of the collarbone
- reduction of fractures of the distal extremity of the radius
- immobilization of fractures of the collarbone
- clinical examination of the knee
- clinical examination of the fist
- clinical examination of the elbow
- recognition of bone lesions on an X-ray
- recognition of osteosynthesis materials

When determining the final grade, account shall be taken of the	**Weighting in scoring, expressed in percentages (Total = 100%)**
- answers to the exam / verification (final evaluation)	**70 %**
- final responses to practical laboratory work	**10 %**
- periodic testing by control works / colloquia	**10 %**

- continuous testing during the semester	**10 %**
- activities such as themes / papers / essays / translations / projects, etc.	**0 %**
- other activities,	**0 %**

Describe the practical ways of final evaluation, E: written paper (grid test)

Minimum requirements for Note 5 (or how to award a grade of 5)	**Note 10 requirements** (or how to award a grade of 10)
• passing the practical exam • promotion of control work • recovery of absences from practical work	• The 10th grade is awarded for the acquisition to perfection of the knowledge taught at the course and at the internship.

Date of completion
29.09.2020

Discipline holder,
Prof. Univ. Dr. Marius NICULESCU

Department Director,
Associate Professor Dan ULMEANU, PhD

Course holder,
Prof. Univ. Dr. Marius NICULESCU

Laboratory holder,
Assoc. Univ. Dr. Ileana Carmen MATLAC

Date of approvalin the department
30.09.2020

TITU MAIORESCU UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2020-2021

DISCIPLINE SHEET

Faculty	**MEDICINE**
Department	**Department of Medico-Surgical and Prophylactic Disciplines**
Field of study	**HEALTH**
Cycle of studies	**Bachelor's degree**
Study program	**General medicine**

Name of the discipline	**ENT**				
Teaching position, name and surname of the discipline holder	**S.L. Dr. Horia MOCANU**				
Teaching position, name and surname of the course holder	**S.L. Dr. Horia MOCANU**				
Teaching position, name and surname of the seminar holder / laboratory / clinical internship	**S.L.Dr. Horia MOCANU**				
Code of Discipline	**MLE.4.8. 14.**	Formative category of the discipline		**SS**	
Year of study	**IV**	Semester*	**8**	Type of final assessment (**E, V**)	**E8**
The regime of discipline (O-o bligatorie, Op-op tion, F-f acultative)			**A**	Number of credits	**3**

** If the discipline has several semesters of study, a sheet is filled in for each semester*

Number of hours per week	**4**	of which classes:	**2**	seminar / laboratory / clinical internship	**2**
Total hours of the curriculum	**56**	of which classes:	**28**	seminar / laboratory / clinical internship	**28**
		Total hours per semester	**75**	Total hours of self-study	**19**

Distribution of the time fund	**Hours**
1. Deciphering and studying course notes	8
2. Study by textbook, course support	5
3. Study of the minimum bibliography indicated	2
4. Additional documentation in the library	4
5. Specific training activity SEMINAR and/or LABORATORY	0
6. Realization of themes, papers, essays, translations, etc.	0
7.Preparation of control works	0
8. Preparation of oral presentations	0
9. Preparation of the final examination	0
10. Consultations	0
11. Field documentation	0
12. Documentation on the Internet	0
13. Tutoring	0
14. Examinations	0

15. Other activities: ...	0

Course name	**ENT**
Discipline-specific professional competences	• Knowledge of the instruments used in the consultation room. Learning the examination maneuvers specific to the ENT. ENT patient care. Notions of surgical technique. Attitude in ENT emergencies
Transversal competences	• The importance of ENT pathology in correlation with the specific pathology of other related specialties (Ophthalmology, Neurosurgery, Dentistry, BMF). Complications in the ENT sphere of some dental interventions, ophthalmological, BMF. Anatomy common to the mentioned domains.
The general objective of the discipline	• Acquiring the notions of anatomy of the organs and anatomical regions specific to the discipline. Acquiring the basic notions regarding the pathophysiology, diagnosis and treatment of ENT-specific diseases. Attitude in ENT emergencies
Discipline-specific objectives	• Knowledge of the instruments used in the consultation room. Learning the examination maneuvers specific to the ENT. ENT patient care. Notions of surgical technique. Attitude in ENT emergencies

Course content – Syllabus	**No. Hours**
1. **Otology** getting anatomy and physiology of the ear. Otological syndromes. Malformations of the outer and middle ear. Foreign auricular bodies.	2
2. **Otology** Inflammatory and parasitic diseases of the external ear. Otitis media.	2
3. **Otology .** Hearing aid. Chronic deafness. Ear tumors. Pathology of the inner ear.	2
4. **Getting Rhinology** clinical anatomy. Notions of physiology and pathophysiology. Nasal malformations. Trauma to the nose and sinuses of the face. Foreign nasal bodies.	2
5. **Rhinology** Skin infections of the nose. Inflammation of the nasal mucosa. Inflammation of the paranasal sinuses (sinusitis)	2
6. **Rhinology** of nasal polyposis. Tumors of the nasal cavities and paranasal sinuses.	2
7. **Laryngology** Notions of embryology, anatomy and clinical physiology of the larynx. Syndromes of the larynx. Malformations of the larynx. Foreign laryngeal bodies. Trauma to the larynx.	2
8. **Laryngology** of acute and chronic laryngitis, specific and nonspecific. Motor disorders of the larynx.	2
9. **Laryngology** Tumors of the larynx.	2
10. **Getting pharyngology** anatomy and clinical physiology. Syndromes of the pharynx. Malformations of the pharynx. Trauma to the pharynx. Foreign bodies of the pharynx	2
11. **Pharyngology** Acute and chronic angina, specific and nonspecific.	2
12. **Pharyngology** Tumors of the pharynx.	2
13. **Tracheobronchic and Esophageal Pathology** (Notions of tracheo-bronchial anatomy and physiology. Clinical aspects of tracheo-bronchial pathology. Notions of anatomy and physiology of the esophagus. Clinical aspects of esophageal pathology)	2
14. **Pathology of salivary glands and elements of Cervical Pathology** getting the anatomy and physiology of the salivary glands. Methods of investigation of the salivary glands. Disorders of salivary gland secretion. Inflammation of the salivary glands. Salivary lithiasis. Sialas. Tumors of the salivary glands. Trauma to the salivary glands. Congenital diseases of the cervical region. Tumors of the cervical region. Cervical inflammation. Trauma of the cervical region.)	2
Content of the clinical internship – Analytical syllabus	**No. Hours**
1. **CLINICAL EXAMINATION IN O.R.L. – light sources, generalities**	2
2. **OTOLOGY** The examination of the auditory analyzer. Subjective examination. Objective examination: (Inspection, Palpation, Otoscopy, Research of tympanic membrane mobility, Listening to the ear, Salpingoscopy).	2
3. **OTOLOGY** Functional examination:(Acumetria, Audiometry, Research of the permeability of the Eustachian tube).	2

4. **OTOLOGY** Laboratory examinations in otology	2
5. **RINOLOGY** Examination of the nose, nasal cavities and paranasal sinuses. Subjective examination. Objective examination: (Inspection, Palpation, Endocavitary examination)	2
6. **RINOLOGY** Functional examination. Special laboratory examinations.	2
7. **LARYNGOLOGY** Subjective examination. Objective examination: (Inspection, Palpation, Endocavitary examination).	2
8. **LARYNGOLOGY** Functional examination. Laboratory examinations.	2
9. **PHARYNGOLOGY** Subjective examination. Objective examination: (Inspection, Palpation, Endocavitary examination).	2
10. **PHARYNGOLOGY** Functional examination. Laboratory examinations specific to the pharynx.	2
11. **ESOPHAGOLOGY** Semiology Semiology of the esophagus. Anatomical landmarks. Anamnesis. Objective examination. Exploration of the esophagus.	2
12. **TRACHEO-BRONCHOLOGY O.R.L.** Tracheobronsic semiology. Anatomical landmarks. Anamnesis. Objective examination. Tracheobronch exploration.	2
13. **VESTIBULAR PATHOLOGY** Notions of anatomy and physiology. Semiology of the vestibular apparatus: (Subjective, Objective, Provoked evidence). Examination of the vestibular analyzer.	2
14. **INTERPRETATION OF SPECIFIC TESTS:** Rx SAF, CT-SAF, Liminar tonal Audiogram, Voice Audiogram, Rhinomanometry, Vestibular samples, Allergic skin samples.	2

Minimal bibliography

1. Mocanu, H. *"Urgenţele in Otorhinolaryngology".* Rejoiceknow: Ed. Hamangiu; 2016. ISBN 978-606-27-0710-1; Ed. "Titu Maiorescu" University, 2016. ISBN 978-606-767-026-4.
2. Mocanu, H. *"Clinical examination in otorhinolaryngology".* Rejoiceknow: Ed. Hamangiu; 2017. ISBN 978-606-27-0981-5; Ed. Titu Maiorescu University, 2017. ISBN 978-606-767-049-3.
3. Manu D.A. – Course of oto-rhino-laryngology, "Titu Maiorescu" University, Faculty of Medicine, Bucharest, 2006
4. Manu D.A. - Practical works of oto-rhino-laryngology, "Titu Maiorescu" University, Faculty of Medicine, Bucharest, 2007
5. Course support taught

Corroborating the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the field of Health

The ENT discipline exhaustively addresses all the significant pathology in the ENT sphere and is meant to train the student to establish a correct diagnosis and treatment and to solve any situation related to ENT pathology. During the clinical internship, students are confronted with clear situations (clinical cases), which they are asked to analyze and propose concrete solutions for diagnosis and treatment. They are also trained in the interpretation of the main investigations used in diagnosing ENT pathology.

Mode of transmission of information

Forms of activity	Didactic methods used
Course	2-hour course without a break presented in power point format or oral exposure assisted by video means (overhead projector)
Clinical internship	Practicing the examination methods, presenting the patients and the specific lesions, learning the techniques of patient care and the primary notions of surgical technique, teaching and explaining the notions from the practical works booklet, free discussions

Minimum performance standard - minimum scale of activities that must be performed by the student at the clinical internship in order to be admitted to the practical examination

Specific methods of ENT examination:

Narinoscopy, anterior rhinoscopy, posterior rhinoscopy, bucopharynpharyoscopy, indirect laryngoscopy, otoscopy, palpation of the anterior cervical region, palpation of the sinus and mastoid points, hearing testing, vestibular samples and nystagmus research

Recognition of lesions specific to organs in the otorhinolaryngological sphere

Interpretation oftheir ENT paraclinical tests – Audiogram, sinus X-ray/CT, Impedancemetry, allergy tests, rhinomanometry

When determining the final grade, account shall be taken of the	Weighting in scoring, expressed in percentages (Total = 100%)
- answers to the exam / verification (final evaluation)	**50%**
- final responses to practical laboratory work	**40%**
- periodic testing by control works / colloquia	**10%**
- continuous testing during the semester	**0%**
- activities such as themes / papers / essays / translations / projects, etc.	**0%**
- other activities (specify)	**0%**

Describe the practical modalities of the final evaluation,

- written work - grid test,
- individual practical examination

Minimum requirements for Note 5 (or how to award a grade of 5)	**Note 10 requirements** (or how to award a grade of 10)
• passing the practical exam is a condition for taking the written exam. • 25-27 points out of 50 in the written exam (grid test) • Superficial basic notions and incomplete performance of the objective clinical examination of the patient at the practical test	• Minimum 47 points out of 50 in the written exam (grid test) • All theoretical notions, the correct and complete performance of the patient's ENT objective examination, the recognition of images with ENT-specific lesions

Date of completion
26. 09.2020

Discipline holder,
S.L. Dr. Horia MOCANU

Head of Department,
Associate Professor Dan Ioan Ulmeanu, PhD

Course holder,
S.L. Dr. Horia MOCANU

Seminar / laboratory / clinical internship holder,
S.L. Dr. Horia MOCANU

Date of approval in the department
..... 30.09.2020.....

TITU MAIORESCU UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2020-2021

DISCIPLINE SHEET

Faculty	**MEDICINE**
Department	**Department of Hirurgical** Medico-C and **PRophylactic** Disciplines
Field of study	**HEALTH**
Cycle of studies	**Bachelor's degree**
Study program	**Medicine**

Name of the discipline	**DIABETES, NUTRITIONAL AND METABOLIC DISEASES**					
Teaching position, name and surname of the discipline holder	**Lecturer Dr. Culman Mirela**					
Teaching position, name and surname of the course holder	**Lecturer Dr. Culman Mirela**					
Teaching position, name and surname of the seminar holder / laboratory / clinical internship	**Lecturer Dr. Culman Mirela**					
Code of Discipline	**MLE.4.8.15**	Formative category of the discipline			**SS**	
Year of study	**IV**	Semester*	8	Type of final assessment (**E, V**)		**E8**
The regime of discipline (O-o bligatorie, Op-op tion, F-f acultative)			**A**	Number of credits		2

* *If the discipline has several semesters of study, a sheet is filled in for each semester*

Number of hours per week	**1**	of which classes:	**1**	seminar / laboratory / clinical internship	1
Total hours of the curriculum	**28**	of which classes:	**14**	seminar / laboratory / clinical internship	**14**
		Total hours per semester	**50**	Total hours of self-study	**22**

Distribution of the time fund	Hours
1. Deciphering and studying course notes	5
2. Study by textbook, course support	5
3. Study of the minimum bibliography indicated	2
4. Additional documentation in the library	5
5. Specific training activity SEMINAR and/or LABORATORY	0
6. Realization of themes, papers, essays, translations, etc.	0
7.Preparation of control works	1
8. Preparation of oral presentations	0
9. Preparation of the final examination	2
10. Consultations	0
11. Field documentation	0
12. Documentation on the Internet	2
13. Tutoring	0
14. Examinations	0

15. Other activities:	0

Course name	**DIABETES, NUTRITIONAL AND METABOLIC DISEASES**
Discipline-specific professional competences	• to demonstrate the ability to properly use the knowledge in the relationship with the patient • demonstrate relationship skills with the patient (communication of the diagnosis, motivation of the patient to obtain adherence to the treatment) • to participate in case presentations that follow the development of clinical reasoning in the field of diabetology • to demonstrate the ability to analyze and interpret some clinical signs / symptoms / forms in the patient with diabetes mellitus and / or metabolic imbalances • to acquire the skills of reasoning, analysis and evaluation of complex clinical situations encumbered by the multiple complications of diabetes mellitus • to develop skills for the correct use of the instruments of medical thinking in the medical act: the power of discernment in the formulation of the diagnosis, making the therapeutic decision, to develop competence in the use of specific metabolic control and treatment tools
Transversal competences	• To demonstrate concern for professional development by training clinical thinking skills • To demonstrate involvement in scientific activities, such as the elaboration of articles and specialized studies; To participate in scientific projects, compatible with the requirements of integration into European education
The general objective of the discipline	• Understand metabolic disorders in diabetes and long-term complications
Discipline-specific objectives	• To acquire knowledge about etiolgia, pathophysiology, clinical forms, acute / chronic complications and treatment of diabetes, obesity, metabolic syndrome, dyslipidemia, hyperuricemics • To develop knowledge about healthy eating and the main nutritional measures in metabolic diseases • to develop skills and competences in qualified patient care .

Course content – Syllabus	14
Course 1: The expansion of diabetes and its complications	1
Course 2: Homeostasis of glucose.	1
Course 3: Diabetes mellitus definition, diagnosis, classification	1
Course 4: Physiology of insulin secretion	1
Course 5: Diabetes mellitus – ethiopathogeny, clinical forms (type 1 and type 2)	1
Course 6: Gestational diabetes	1
Course 7: Secondary diabetes	1
Course 8: Nonpharmacological treatment of diabetes	1
Course 9: About Healthy Eating	1
Course 10: Practical recommendations on diet in DZ	1
Course 11: Pharmacological treatment of diabetes	1
Course 12: Insulin therapy	1
Course 13: Complications of diabetes: pathophysiology, clinical forms	1
Course 14: Metabolic syndrome and cardiovascular risk	1
Content of the laboratory / clinical internship / seminar – Analytical syllabus	14
1. Arguments and counterarguments regarding the importance of diabetes mellitus as a pandemic in a slow, continuous expansion, parallel to obesity; the effects of urbanization / globlization /	1

development; the prevalence of diabetes in the world; the top 10 countries for the prevalence of diabetes; the major problem of the health system by increasing the morbidity and mortality of cardiovascular diseases and late complications;Major impact on the active age group, on developing countries; geography of type 1 diabetes	
2. Definition of diabetes; similarities and differences between type 1 diabetes and type 2 diabetes. Intuitive representations, used in the process of therapeutic education that allow patients to understand the mechanism of the disease. Population "experiments" that support the role of lifestyle in the emergence of type2 diabetes Diagnosis of clinical situations involving the modification of carbohydrate metabolism. The technique of performing the Oral Glucose Tolerance Test; diagnostic criteria	1
3. Classification of Diabetes mellitus; Categories of people at risk of developing diabetes proposed for screening. Symptoms of DZ.	1
4. Physiology and pathophysiology of insulin secretion. Biological effects of insulin	1
5. Etiopathogenesis of type 1 diabetes; evolutionary stages. How do we communicate the diagnosis to a newly discovered patient? Essential notions of therapeutic education after finding out the diagnosis.	1
6. Type 2 diabetes and meatbolic syndrome; major defects involved in the pathogenesis of type 2 diabetes; semiology of insulin resistance; assessment of abdominal obesity; causes of insulin resistance; methods for measuring insulin resistance.	1
7. Incretinic effect; effects of glp-1 – role in regulating glycemic homeostasis and importance in the therapy of type 2 diabetes	1
8. Causes of secondary diabetes: Cushing's syndrome, Acromegaly, Basedow's disease, Hemochromatosis. Clinical picture	1
9. Features of the diet in the patient with diabetes; liberalized diet; diet in the obese diabetic patient; diet in pregnant women with diabetes	1
10. Stages of drawing up the individualized diet. Calculation formula: ideal weight; glycemic index of food; fast hydrates, slow hydrates.	1
11. Glycemic self-monitoring; The continuous monitoring system of blood glucose with the help of sensors with real-time reading; insulin treatment; individualized therapeutic schemes; insulin preparations; insulin injection technique; insulin pumps	1
12. Noninsulinic treatment in diabetes mellitus: biguanide; sulfonylureas; thiazolidinedione; GLP1 receptor agonists; alpha glucoside inhibitors; DPP-4 inhibitors , SGLT2 receptor blockers.	1
13. Acute complications of diabetes mellitus , ketoacidosic coma, hypoglycemic coma	1
14. Chronic complications of diagnostic diabetes mellitus diabeic microangiopathy (diabetic retinopathy, diabetic nephropathy) macroangiopathy (AIMO, coronary artery disease cerebrovascular disease	1
Minimal bibliography	
1. Starling M. Clinical diabetology. Iaşi: Lithografia UMF Iaşi, 1999. 2. Starling M et al. Obesity. Iaşi: Editura Junimea, 2003. 3. Hâncu N, Vereşiu IA et al. Diabetes mellitus, nutrition, metabolic diseases. Cluj-Napoca: Editura Naţional, 1999. 4. Mincu I, Mogoş VT. The practical bases of the nutrition of the sick man. Bucharest: RAI Publishing House, 1997. 5. Graur M. Guide to healthy eating, Performantica Publishing House, Iasi, 2006	

Corroborating the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the field of Health
The topics exposed in the courses are written from the didactic and scientific materials of the discipline, monographs, courses in which are taken the latest data from the specialized literature corresponding to the expectations of the representatives of the epistemic community, professional associations and employers representative in the field of Health.

Mode of transmission of information	
Forms of activity	**Didactic methods used**
Course	Course support through oral presentation, electronic support (Power Point presentations)
Laboratory / clinical internship / seminar	Interactive seminars, case studies

Minimum performance standard – minimum scale of activities that must be performed by the student at the practical works / clinical internship in order to be admitted to the practical examination – to the seminar / project in order to be admitted to the final verification
- applying and consolidating the theoretical knowledge acquired in the course; - continuous testing during the semester - periodic testing by control work,

When determining the final grade, account shall be taken of the	**Weighting in scoring, expressed in percentages (Total = 100%)**
- answers to the exam / verification (final evaluation)	**50%**
- final responses to practical laboratory work	**20%**
- periodic testing by control works / colloquia	**20%**
- continuous testing during the semester	**10%**
- activities such as themes / papers / essays / translations / projects, etc.	**0%**
- other activities,	**0%**

Describe the practical modalities of final evaluation, E/V Written exam with editorial topics

Minimum requirements for Note 5 (or how to award a grade of 5)	**Note 10 requirements** (or how to award a grade of 10)
• Definition of diabetes • Diagnostic values of blood glucose • Symptoms of DZ • Knowledge of dietary principles in DZ	• Deepening all the notions presented in the course • Active attendance at courses • Promotion of all works during the semester

Date of completion
27/09/2020

Discipline holder,
Head of Works Dr. Culman Mirela

Head of Department,
Assoc. Prof. Univ. Dr. Dan Ulmeanu

Course holder,
Head of Works Dr. Culman Mirela

Seminar / laboratory / clinical internship holder,
Head of Works Dr. Culman Mirela

Date of approval in the department
30.09.2020

TITU MAIORESCU UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2020-2021

DISCIPLINE SHEET

Faculty	**MEDICINE**
Department	**DPRECLINICAL ISCIPLINES**
Field of study	**HEALTH**
Cycle of studies	**Bachelor's degree**
Study Program [2)]	**Medicine**

Name of the discipline	**CLINICAL BIOCHEMISTRY**					
Teaching position, name and surname of the discipline holder	**Prof. Univ. Dr. Tanase Cristiana**					
Teaching position, name and surname of the course holder	**Prof. Univ. Dr. Tanase Cristiana**					
Teaching position, name and surname of the seminar holder / laboratory / clinical internship	-					
Code of Discipline	**MLE.4.8.16**	Formative category of the discipline		**DS**		
Year of study	**IV**	Semester*	**8**	Type of final assessment (**E, V**)		**V8**
The regime of discipline (O-o bligatorie, Op-op tion, F-f acultative)				**A**	Number of credits	**2**

** If the discipline has several semesters of study, a sheet is filled in for each semester*

Number of hours per week	**1**	of which classes:	**1**	seminar / laboratory / clinical internship	-
Total hours of the curriculum	**14**	of which classes:	**14**	seminar / laboratory / clinical internship	-
		Total hours per semester	**50**	Total hours of self-study	**36**

Distribution of the time fund	**Hours**
1. Deciphering and studying course notes	20
2. Study by textbook, course support	8
3. Study of the minimum bibliography indicated	5
4. Additional documentation in the library	6
5. Specific training activity SEMINAR and/or LABORATORY	5
6. Realization of themes, papers, essays, translations, etc.	2
7.Preparation of control works	10
8. Preparation of oral presentations	5
9. Preparation of the final examination	10
10. Consultations	2
11. Field documentation	4
12. Documentation on the Internet	0
13. Tutoring	2
14. Examinations	2

15. Other activities:	5

Course name	**CLINICAL BIOCHEMISTRY**
Discipline-specific professional competences	• The correct use of notions in the field of biochemistry and molecular biology. • Understanding how to regulate biochemical reactions in the body and the pathological consequences of their disturbance. • Interdisciplinary approach to notions in the field of biochemistry. • Cthe apacity of independent information and interpretation of the knowledge obtained.
Transversal competences	• Applying strategies of perseverance, rigor, efficiency and responsibility in work, punctuality and taking responsibility for the results of personal activity, creativity, common sense, analytical and critical thinking, problem solving, etc., based on the principles, norms and values of the code of professional ethics. • Applying interrelationship techniques within a team; amplification and refinement of empathic capacities of interpersonal communication and of assuming specific attributions in carrying out group activity in order to treat / resolve individual / group conflicts, as well as optimal time management.
The general objective of the discipline	• The ability to achieve an integral vision regarding the functioning of the body as a whole.
Discipline-specific objectives	• The ability to select laboratory tests that allow positive and differential diagnosis. • The ability to interpret at the molecular level the mechanism of production of various diseases.

Course content – Syllabus	**14 hours**
1. Chapter 1. Introductory notions of clinical biochemistry.	1hour
2. Chapter 2. Plasma enzymes (1).	1 hour
3. Chapter 2. Plasma enzymes (2).	1 hour
4. Chapter3. Acute phase proteins (1)	1 hour
5. Chapter3. Proteins of the acute phase (2).	1 hour
6. Chapter 4. Glucose metabolism.	1 hour
7. Chapter 5. Disruption of liver function. Biochemical indicators.	1 hour
8. Chapter 6. Metabolic syndrome. Type 2 diabetes.	1 hour
9. Chapter 7. Metabolism of alcohol in the body.	1 hour
10. Chapter 8. Trans unsaturated fatty acids. Polyunsaturated fatty acids.	1 hour
11. Chapter 9. Biochemical markers in cardiovascular diseases.	1 hour
12. Chapter 10. Biochemistry of the heart Acute coronary syndrome.	1 hour
13. Chapter 11. Laboratory tests to investigate liver functions (1).	1 hour
14. Chapter 11. Laboratory tests to investigate liver functions (2).	

Minimal bibliography

1. Moldoveanu E., Dicţionar de biochemistry şi biologie moleculară,2001
2. Moldoveanu E., Course of medical biochemistry, "Titu Maiorescu" University Publishing House, Bucharest, 2010
3. Moldoveanu E., Marta Daciana, Medical Biochemistry-Practical Works for Students, "Titu Maiorescu" University Publishing House, Bucharest, 2010
4. Rusu E., Biochemical and molecular genetic studies on Candida albicans species, 2011
5. Harper's Biochemisty 28th ed, Ed. Appleton & Lange, 2006
6. Marks' Basic Medical Biochemistry third ed, Smith C, Marks AD, Lieberman M, Lipincott Williams&Wilkins, 2008

7. Course Support
Corroborating the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the field of Health
The assimilation of the theoretical notions presented in the course allows the development of the capacity to select the laboratory tests that allow the positive diagnosis and the differential diagnosis regardless of the specialty in which the future doctor will carry out his activity, being in accordance with the European requirements so as to correspond to the expectations of the representatives of the epistemic community, professional associations and representative employers in the field of Health.

Mode of transmission of information	
Forms of activity	**Didactic methods used**
Course	Interactive presentation of the material according to the analytical program, using the overhead projector, the board, the computer

Minimum performance standard – minimum scale of activities that must be performed by the student at the practical works / clinical internship in order to be admitted to the practical examination – to the seminar / project in order to be admitted to the final verification
Attendance at 80% of the courses taught
Promotion of periodic testing during the semester

When determining the final grade, account shall be taken of the	**Weighting in scoring, expressed in percentages (Total = 100%)**
- answers to the exam / verification (final evaluation)	**100%**
- final responses to practical laboratory work	**0**
- periodic testing by control works / colloquia	**0**
- continuous testing during the semester	**0**
- activities such as themes / papers / essays / translations / projects, etc.	**0**
- other activities (specify)	**0**

Describe the practical ways of final evaluation, E/V. Descriptive written paper with 5 topics

Minimum requirements for Note 5 (or how to award a grade of 5)	**Note 10 requirements** (or how to award a grade of 10)
• **Exposure of 3 out of 5 topics**	• **Exposure of 5 topics**

Date of completion
26.09.2020

Discipline holder,
Prof. Univ. Dr. Tanase Cristiana

Head of Department,
Assoc. Prof. Roxana Nemeş, PhD

Course holder,
Prof. Univ. Dr. Tanase Cristiana

Seminar / laboratory / clinical internship holder,
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Date of approval in the department
30.09.2020

TITU MAIORESCU UNIVERSITY OF BUCHAREST
ACADEMIC YEAR: 2020-2021

DISCIPLINE SHEET

Faculty	**MEDICINE**
Department	**Department of Medical-Surgical and Prophylactic Disciplines**
Field of study	**HEALTH**
Cycle of studies	**Bachelor's degree**
Study program	**Medicine**

Name of the discipline	**MEDICAL MANOEUVRES SKILLS (2nd MODULE)**				
Teaching position, name and surname of the discipline holder	**Ş.L.dr. BĂLTEANU MARA**				
Teaching position, name and surname of the course holder	-				
Teaching position, name and surname of the seminar holder / laboratory / clinical internship	**Ş.L.dr. BĂLTEANU MARA** **As. Univ. Dr. MUŞETESCU ALINA** **As. Univ. Dr. RĂDULESCU IONICA**				
Code of Discipline	**MLE.4. 8.14**	Formative category of the discipline		**SS**	
Year of study	**IV**	Semester*	**8**	Type of final assessment (**E, V**)	**V8**
The regime of discipline (O-o bligatorie, Op-op tion, F-f acultative)		**A**	Number of credits		**2**

** If the discipline has several semesters of study, a sheet is filled in for each semester*

Number of hours per week	**2**	of which classes:	**-**	seminar / laboratory / clinical internship	**2**
Total hours of the curriculum	**28**	of which classes:	**-**	seminar / laboratory / clinical internship	**28**
		Total hours per semester	**50**	Total hours of self-study	**22**

Distribution of the time fund	Hours
1. Deciphering and studying course notes	-
2. Study by textbook, course support	-
3. Study of the minimum bibliography indicated	2
4. Additional documentation in the library	4
5. Specific training activity SEMINAR and/or LABORATORY	4
6. Realization of themes, papers, essays, translations, etc.	-
7.Preparation of control works	2
8. Preparation of oral presentations	-
9. Preparation of the final examination	-
10. Consultations	2
11. Field documentation	4
12. Documentation on the Internet	4
13. Tutoring	-
14. Examinations	-

15. Other activities:	-

Course name	**MEDICAL MANOEUVRES SKILLS (2nd MODULE)**
Discipline-specific professional competences	• Knowledge and understanding of the specific notions of the discipline • Familiarity with the terminology specific to the ability in medical workmanship
Transversal competences	• To demonstrate the concern for continuous professional improvement by training the thinking and practical skills specific to the discipline in order to adapt the professional components to the dynamics of the social context.
The general objective of the discipline	• Acquiring the skills of complete examination of the patient and specification of the diagnostic depending onthe general clinical area.
Discipline-specific objectives	**At the application level:** • to carry out the correct collection and estimation of anamnesis data; • to be able to establish the clinical-functional diagnosis for initiating the medical rehabilitation program; • to appreciate the functional arrears, the degree of disability, the prognosis of medical and medico-social rehabilitation; • to appreciate the efficiency of the clinical and functional medical rehabilitation program **At the integration level:** • to possess skills of implementation and integration of knowledge astick to the discipline of skills in medical manipulations; • be able to objectively evaluate and self-evaluate the knowledge in the field; • be able to assimilate new achievements in the field of skills in medical manipulations • and integrate them with other medical and paramedical disciplines.

Course content – Syllabus	**No. Hours**
Content of the clinical internship – Analytical syllabus	**No. Hours**
1. Correct interpretation of the main laboratory samples - hematology	2
2. Correct interpretation of the main laboratory samples – reno-bladder apparatus	2
3. Correct interpretation of the main laboratory samples – acid-base balance	2
4. Conducting gynecological examination.	2
5. Conducting obstetrical examination.	2
6. Examination of the osteo-articular apparatus.	2
7. The technique of performing an arthroscopy and its interpretation in a clinical context.	2
8. The technique of performing a chest X-ray and its correct and complete interpretation	2
9. The technique of performing an articular X-ray and its correct and complete interpretation (scapulo-humeral, radio-ulnar, metacarpo-phalangeal, coxo-femoral, knee, tibio-tarisene, metatarso-phalangeal articlusion, etc.)	2
10. Correct interpretation of a CT scan	2
11. Correct interpretation of an MRI examination	2
12. Correct interpretation of an angiography	2
13. Making MMSE. Basic psychological tests.	2
14. Correct determination of the blood group and main antigens (Rh, ABO, M,L, etc.)	2
Minimal bibliography	
1. Lynn S. Bickley, Bates Guide to Clinical Examination and Anamnesis, Callisto Medical Publishing House, 2012;	

2. Levine, A.I., DeMaria Jr., S., Schwartz, A.D., Sim, A.J. (Eds.). The Comprehensive Textbook of Healthcare Simulation. Springer-Verlag New York, 2013;
3. F.D. Ungureanu, Current techniques in classical and laparoscopic surgery, Printech Publishing House, vol. 1, 2005.
4. F.D. Ungureanu, Current techniques in classical and laparoscopic surgery, Printech Publishing House, vol. 2, 2005.

Corroborating the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the field of Health
The course allows integration into aresponsible professional environment, the development of applied research programs, being in accordance with the requirements of the European university education by permanently updating the information and corresponding to the expectations of the representatives of the episystemic community, professional associations and representative employers in the field of Health.

Mode of transmission of information	
Forms of activity	**Didactic methods used**
Course	-
Clinical internship	Practicing in saloanele clinic of internal medicine of examination methods, presentation of clinical cases highlighting specific lesions and methods of treatment, assimilation of patient care techniques and basic notions of therapeutic and principles of medical procedures. Pthe rendering and explicarea notions from the guides of practical works.

Minimum performance standard - minimum scale of activities that must be performed by the student at the clinical internship in order to be admitted to the practical examination in order to be admitted to the final verification

For admission to the practical internship exam:

- Complete restoration of absences at the clinical stage;
- The presence of the student at all seminars;
- Completion of the casuistry notebook;
- Promotion to the written assessment tests during the semester.

Evaluation at the clinical stage:

- Oral presentation of the clinical case selected from the casuistry available in the Internal Medicine Clinic;
- Correct performance of clinical maneuvers registered in the technique of objective examination with references to the selected case;
- Knowledge of normal and patholic values of biological constants;
- Correct interpretation of imaging;

When determining the final grade, account shall be taken of the	**Weighting in scoring, expressed in percentages (Total = 100%)**
- answers to the exam / verification (final evaluation)	**50%**
- final responses to practical laboratory work	**30%**
- periodic testing by control works / colloquia	**10%**
- attendance at the course during the semester	**-**
- internship booklet: themes, reports, translations, clinical cases, projects.	**10%**

Describe the practical ways of final evaluation, E (descriptive written work)

Minimum requirements for Note 5 (or how to award a grade of 5)	**Note 10 requirements** (or how to award a grade of 10)
• Going through periodical testing through control works with correct final answers, respectively obtaining satisfactory scores during these tests during the semester	• Assimilation of skills in medical workmanship; • Obtaining scores of over 70% at the intermediate tests

• Correct completion of at least 1/2 of the subjects at the final practical examination	• Active participation in the activity carried out at the course • Obtaining a score of over 90% at the final examination

Date of completion
16.09.2020

Discipline holder,
Ş.L.dr. BĂLTEANU MARA

Course holder,

Head of Department,
Associate Professor Dan Ioan Ulmeanu, PhD

Seminar / laboratory / clinical internship holder,
Ş.L.dr. BĂLTEANU MARA
As. Univ. Dr. MUŞETESCU ALINA
As. Univ. Dr. RĂDULESCU IONICA

Date of approval in the department
30.09.2020

TITU MAIORESCU UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 201 9-2020

DISCIPLINE SHEET

Faculty	**MEDICINE**
Department	**MEDICAL-SURGICAL AND PROPHYLACTIC DISCIPLINES**
Field of study	**HEALTH**
Cycle of studies	**Bachelor's degree**
Study program	**MEDICINE**

Name of the discipline	**YEARLY MEDICAL PRACTICE FOR ACQUIRING MEDICAL SKILLS AND COMPETENCES**					
Teaching position, name and surname of the discipline holder	-					
Teaching position, name and surname of the person in charge of the practice	**Associate Professor Cristian Gabriel, PhD** **Assistant professor Ignat Iuliana, PhD**					
Teaching position, name and surname of the verification holder	**Associate Professor Cristian Gabriel, PhD** **Assistant professor Ignat Iuliana, PhD**					
Code of Discipline	**MLE.4.8.18**	Formative category of the discipline			**SS**	
Year of study	**IV**	Semester	**8**	Type of final assessment (E, V)		**V8**
Discipline regime (O-compulsory, Op-optional, F-optional)			**A**	Number of credits		**2**

** If the discipline has several semesters of study, a sheet is filled in for each semester*

Number of hours per week	**40**	of which classes:	-	seminar / laboratory / clinical internship	**40**
Total hours of the curriculum	**160**	of which classes:	-	seminar / laboratory / clinical internship	**160**
		Total hours per semester	**160**	Total hours of self-study	-

Distribution of the time fund	Hours
1. Deciphering and studying course notes	0
2. Study by textbook, course support	0
3. Study of the minimum bibliography indicated	0
4. Additional documentation in the library	0
5. Specific training activity SEMINAR and/or LABORATORY	0
6. Realization of themes, papers, essays, translations, etc.	0
7.Preparation of control works	0
8. Preparation of oral presentations	0
9. Preparation of the final examination	0
10. Consultations	0
11. Field documentation	0
12. Documentation on the Internet	0
13. Tutoring	0
14. Examinations	0

15. Other activities:	0

Course name	**YEARLY MEDICAL PRACTICE FOR ACQUIRING MEDICAL SKILLS AND COMPETENCES**
Discipline-specific professional competences	Knowledge, understanding, explanation and interpretation of all theoretical knowledge obtained during the year - Practical application of the health legislation in the field and the consequences of non-compliance with it - Understanding the need for first aid measures, individual and collective activities.
Transversal competences	Development as future medical professionals with direct specification of the three-dimensional valences of their entity – doctor, family member and participant in social life
The general objective of the discipline	Familiarization of students with everyday practice, based on the theoretical knowledge obtained
Discipline-specific objectives	Understanding the importance of practical activity for the entire medical career.

Course content – Syllabus	
Total hours	**160 hours**
Medical language – Filling in, under guidance, some forms and documents specific to the section / service where the practice is performed, communication with the patient on health education measures.	30
Administrative-managerial - patient's rights and obligations, obtaining informed consent, ensuring malpractices, general notions of hospital management, knowledge and application of the rules contained in the "universal precautions" notions of hospital management.	30
Hygienic-dietary and microclimate - rules and methods of disinfection, asepsis, antisepsis, specific dietary regimens and microclimate conditions,	20
Patients' upheaval – interpretation of monitoring data, including invasive, of vital functions, interpretation of semiology data and support of a positive and differential diagnosis. Semiology of the cardiovascular apparatus:, digestive, renourinar, genital. Clinical examination of the cardiovascular, digestive, renourinar, genital apparatus.	40
Medical-surgical maneuvers - invasive measurement of TA, AV, blood gasometry, parenteral treatment and hydro-ionic balance calculation, wound treatment, Electrocardiogram, ECG diagnosis, temporary / definitive immobilization, wound treatment, preparation of patients for imaging explorations (abdominal ultrasound, endoscopy, CT, IMR, PETSCAN, X-rays with contrast substance).	40

Minimal bibliography

1. Angelescu N.- Treatise of Surgical Pathology- Med Publishing House, vol.1 and 2, Bucharest, 2001;
2. Prişcu Al.- Chirurghie, vol.1 and 2- Ed.did.ped., Bucharest, 1994-1995;
3. Angelescu N., Andronescu PD, General Surgery.. Medical Publishing House, Bucharest, 2000
4. Prof. Dr. Kikeli Pal Istvan, Prophylaxis in Family Medicine, Procardia Publishing House 2001, lithography of UMF 2002.
5. Restian, M. Mateescu, Ghid practic de medicina familiei, Ed. Universitara C. Davila Buc., 1998
6. Harrison – Principles of Internal Medicine 14th edition, Teora Publishing House, Bucharest 2003

Corroborating the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the field of Health

Going through the specialized practical training period allows the integration of the future doctor in a responsible professional environment, learning to collaborate with specialists in various fields, developing the ability to provide clinical assistance in a variety of issues corresponding to the expectations of the representatives of the epistemic community, professional associations and employers representative in the field of Health.

Mode of transmission of information	
Forms of activity	Didactic methods used
Practice	Usual activity of the institution Activity at the bedside of the sick person.

	Presentation of methodological elements, group discussions, group exercise, case analysis, demonstrations, dose calculation, case presentations, documentation visits, practice booklet.

Minimum performance standard:
see - **THE STANDARDS OF THE PRACTICE OF HEALTHECIALITY IV YEAR , PRACTICE SCALE III**
Scale of practice: Completion of practice booklet, Practice Convention, Evaluation sheet of specialized practice

When determining the final grade, account shall be taken of the	Weighting in scoring, expressed in percentages (Total = 100%)
- answers to the exam / verification (final evaluation)	50%
- final responses to practical laboratory work	-
- periodic testing through control works / colloquia / internships	50%
- continuous testing during the semester	-
- activities such as themes / papers / essays / translations / projects, etc.	-
- other activities,	-
Describe the practical ways of final evaluation, E/V. written work	
Minimum requirements for Note 5 (or how to award a grade of 5)	Note 10 requirements (or how to award a grade of 10)
• knowledge for grade 5 –50% of basic knowledge	• knowledge for grade 10 – all notions acquired during practice

Date of completion
25.09.2020

Discipline holder,
-

Head of Department,
Assoc. Prof. Dan Ioan Ulmeanu

Responsible for practice,
Associate Professor Cristian Gabriel, PhD
Assistant professor Ignat Iuliana, PhD

Holder of verification,
Associate Professor Cristian Gabriel, PhD
Assistant professor Ignat Iuliana, PhD

Date of approval in the department
30.09.2020

TITU MAIORESCU UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2020-2021

DISCIPLINE SHEET

Faculty	**MEDICINE**
Department	**PRECLINICAL DISCIPLINES**
Field of study	**HEALTH**
Cycle of studies	**Bachelor's degree**
Study program	**MEDICINE**

Name of the discipline	**PHARMACOECONOMICS**				
Teaching position, name and surname of the discipline holder	**Associate Professor Paveliu Sorin, PhD**				
Teaching position, name and surname of the course holder	**Associate Professor Paveliu Sorin, PhD**				
Teaching position, name and surname of the seminar holder / laboratory / clinical internship	-				
Code of Discipline	**MLE.O.7**	Formative category of the discipline		**SS**	
Year of study	**IV**	Semester*	**8**	Type of final assessment (**E, V**)	**V8**
The regime of discipline (O-o bligatorie, Op-op tion, F-f acultative)		**Op**	Number of credits		**2**

** If the discipline has several semesters of study, a sheet is filled in for each semester*

Number of hours per week	**1**	of which classes:	**1**	seminar / laboratory / clinical internship	**0**
Total hours of the curriculum	**14**	of which classes:	**14**	seminar / laboratory / clinical internship	**0**
		Total hours per semester	**50**	Total hours of self-study	**36**

Distribution of the time fund	Hours
1. Deciphering and studying course notes	4
2. Study by textbook, course support	4
3. Study of the minimum bibliography indicated	4
4. Additional documentation in the library	4
5. Specific training activity SEMINAR and/or LABORATORY	4
6. Realization of themes, papers, essays, translations, etc.	2
7.Preparation of control works	0
8. Preparation of oral presentations	2
9. Preparation of the final examination	4
10. Consultations	0
11. Field documentation	0
12. Documentation on the Internet	4
13. Tutoring	2

14. Examinations	2
15. Other activities:	0

Course name	**Pharmacoeconomics**
Discipline-specific professional competences	Transmission of information about different instruments of researching the economic consequences of the use of medicines, acquiring the capacity to interpret pharmacoeconomy studies and to develop specific analyzes.
Transversal competences	Demonstrateanalytical skills in economics To detect the role ofeconomic andsocial influences on the development of new drugs, To apply techniques of economic evaluation in the evaluation of pharmaceutical products
The general objective of the discipline	In the course: knowledge and learning of theoretical notions regarding the economic implications of the use of medicines.
Discipline-specific objectives	Acquiring the skills and confidence necessary to respond to the increasingly demanding data requirements of key medical-pharmacological clients. Finding out more techniques and their use in economic assessment of pharmacoeconomic type Inunderstandingthe legislative framework regulating the pharmaceutical industry Learning how to appreciate an economic study . Intheunderstanding of economic modeling and the techniques used to cope with the missing data.

Course content – Syllabus	**14 hours**
1. The role of pharmacoeconomics in the evaluation of the health system, historically, the principles of pharmacomycin.	2h
2. Methodologisttakes the pharmacoeconomy. Health costs; Introduction to statistics.	2h
3. About utilityand outcomee (outcomes) / Evaluation of quality of life, Designof pharmacoeconomic research.	2h
4. Advantages and disadvantages of the bases to be givenfrom clinical trials, models andclaims for reimbursement from insurance, evaluation of pharmacoeconomics studies.	2h
5. Advanced methods to analyze pharmacoeconomy data.	2h
6. Decision analysisand economic modeling in pharmacoeconomics.	2h
7. Application in its pharmacoeconomiesin health insurance (andi-or handthe sanitary gementul). Designand conduct of pharmacoeconomy studies.	2h

Minimal bibliography

1. J. Lyle Bootman, Raymond J. Townsend, William F. McGhan. **Principles of Pharmacoeconomics.** Harvey Whitney Books; 2nd edition (February 1996).
2. Karen Rascati. Essentials of Pharmacoeconomics. Lippincott Williams & Wilkins; 1 edition (February 11, 2008)
3. Renee J. G. Arnold (Editor) Pharmacoeconomics: From Theory to Practice (Drug Discovery Series). Press; 1 edition (October 14, 2009). CRC
4. Randy Vogenberg (Author). Introduction to Applied Pharmacoeconomics. McGraw-Hill/Appleton & Lange; 1 edition (December 12, 2000).
5. Course support taught

Corroborating the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the field of Health

All the topics taught are exposed in the didactic and scientific materials of the discipline, monographs, guides, courses, in which the latest data from the national and international specialized literature are taken over, corresponding to the maximum expectations of the representatives of the epistemic community, professional associations and employers representative in the field of health in the country.

Mode of transmission of information	
Forms of activity	**Didactic methods used**
Course	Presentationsin Power-Point format

	Interactive discussions with students based on the topics covered
Laboratory / clinical internship / seminar	-

Minimum performance standard – minimum scale of activities that must be performed by the student at the practical works / clinical internship in order to be admitted to the practical examination – to the seminar / project in order to be admitted to the final verification
-prezenta to the wellin 5 courses, -appropriating thenotions of the theoretical units exposed to the course, -report- drawing up at least 1 relay with the given theme or the theme of your choice.

When determining the final grade, account shall be taken of the	**Weighting in scoring, expressed in percentages (Total = 100%)**
- answers to the exam / verification (final evaluation)	**100%**
- final responses to practical laboratory work	**0%**
- periodic testing by control works / colloquia	**0%**
- continuous testing during the semester	**0%**
- activities such as themes / papers / essays / translations / projects, etc.	**0%**
- other activities (specify)	**0%**

Describe the practical modalities of final evaluation, E/V. {for example: written paper (descriptive and/or grid test and/or problems, etc.), oral examination with tickets, individual or group practical examination, project, etc.}

Minimum requirements for Note 5 (or how to award a grade of 5)	**Note 10 requirements** (or how to award a grade of 10)
• correctly completing at least 50% of the subjects in the final exam.	• Obtaining a score of over 95% at the final check.

Date of completion
26.09.2020

Discipline holder,
Associate Professor Paveliu Sorin, PhD

Head of Department,
Assoc. Prof. Dr. Roxana M Nemeş area

Course holder,
Associate Professor Paveliu Sorin, PhD

Seminar / laboratory / clinical internship holder,
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Date of approval in the department
30.09.2020

TITU MAIORESCU UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2020-2021

DISCIPLINE SHEET

Faculty	**MEDICINE**
Department	**DEPARTMENTOF MEDICAL-SURGICAL ANDPROPHYLACTIC SCIENCES**
Field of study	**HEALTH**
Cycle of studies	**Bachelor's degree**
Study program	**MEDICINE**

Name of the discipline	**MEDICAL LAWS, PROFESSIONAL REGULATION AND ETHICS**				
Teaching position, name and surname of the discipline holder	**Lecturer Dr. Ana-Maria Mihălcescu**				
Teaching position, name and surname of the course holder	**Lecturer Dr. Ana-Maria Mihălcescu**				
Teaching position, name and surname of the seminar holder / laboratory / clinical internship	-				
Code of Discipline	**M.O.7**	Formative category of the discipline		**Ds**	
Year of study	**Iv**	Semester*	**8**	Type of final assessment (**E, V**)	**v8**
The regime of discipline (O-o bligatorie, Op-op tion, F-f acultative)			**Op**	Number of credits	**2**

** If the discipline has several semesters of study, a sheet is filled in for each semester*

Number of hours per week	**1**	of which classes:	**1**	seminar / laboratory / clinical internship	-
Total hours of the curriculum	**14**	of which classes:	**14**	seminar / laboratory / clinical internship	-
		Total hours per semester	**50**	Total hours of self-study	**36**

Distribution of the time fund	Hours
1. Deciphering and studying course notes	6
2. Study by textbook, course support	4
3. Study of the minimum bibliography indicated	6
4. Additional documentation in the library	4
5. Specific training activity SEMINAR and/or LABORATORY	-
6. Realization of themes, papers, essays, translations, etc.	4
7.Preparation of control works	2
8. Preparation of oral presentations	2
9. Preparation of the final examination	4
10. Consultations	-
11. Field documentation	-
12. Documentation on the Internet	2
13. Tutoring	-
14. Examinations	2
15. Other activities:...	-

Course name	MEDICAL LAWS, PROFESSIONAL REGULATION AND ETHICS
Discipline-specific professional competences	Knowledge and application of medical legislation. Knowledge, respect and development of professional values and ethics.
Transversal competences	Problem solving and decision making.
The general objective of the discipline	Knowledge by students of biotic norms and their applications in doctor's practice. Knowledge of theequal framework that regulates the doctor's practice in Romania and in the EU. Knowledgeof professional organizations, their functionand duties.
Discipline-specific objectives	Familiarization of students with the elements of bioethics and deontology, in order to develop behavioral skills that allow the optimal approach of the patient. The formation of a socio-professional conduct that complies with the requirements of the ethical and deontological codes, in accordance with the legislation in force.

Course content – Syllabus	**14 Hours**
1. Introduction to the study of medical legislation. Description of the general legal framework in Romania and the EU with relevance to the practice of the medical profession.	1h
2. The conditions for exercising the medical profession in Romania and the EU. Mutual recognition of professional qualifications. Right of establishment.	1h
3. The doctor's code of ethics. Principles. The rights and obligations of the doctor.	1h
4. The legislative framework for organizing the Romanian College of Physicians. The disciplinary judicial procedure before the Romanian College of Physicians.	1h
5. Patient's rights. Romanian and European legislative framework (1)	1h
6. Patient's rights – continuation (2)	1h
7. Legislative framework on the functioning of hospitals and medical offices in Romania. Primary care. National Health Insurance House.	1h
8. Medical malpractice in Romania. Definition. Procedure before the Commission for cases of malpractice.	1h
9. Liability of the doctor for medical malpractice. The hospital's liability for medical malpractice. Professional liability insurance and insurer's liability.	1h
10. Criminal liability and civil liability of the doctor in Romania. Peculiarities of civil liability of the doctor.	1h
11. Bioethics. Domestic and international legal provisions. Human rights and bioethics. Bioethics in genetics. Eugenics.	1h
12. Bioethics of transplantation of human organs and tissues. The legislation of organ transplantation. The legislation of medically assisted human reproduction.	1h
13. Psychiatric ethics. Ethics of biomedical research.	1h
14. The dignity of death. Euthanasia and assisted suicide. The decision to discontinue the treatment.	1h
Content of the laboratory / clinical internship / seminar – Analytical syllabus	No. Hours
1. Not applicable	–

Minimal bibliography

1. Lecturer Dr. Mihălcescu Ana-Maria- Medical legislation, professional organization, malpractice and bioethics - Course support - is transmitted to students in electronic format
2. Law 95/2006 on updated health reform
3. Civil and Criminal Code updateat, civil and criminal procedure code updated
4. The doctor's code of ethics
5. ECHR case-law: the cases of Eugenia Lazăr v. Romania, Panaitescu v. Romania, Lambert v. France, Codarcea v. Romania,
6. European Council: Guide on the decision –making process regarding medical treatment in end-of-life situations
7. The Nuremberg Code

8. Helsinki Declaration
9. Gabriel Adrian Năsui- Medical malpractice. The peculiarities of medical civil liability, Universul Juridic Publishing House
10. Duţescu B., Etica profesiunii medical, Ed. Didactică si Pedagogică, Bucharest, 1980;
11. Jeszensky F., Fundamental rights of patients and doctors, Medical Publishing House, Bucharest, 1998;
12. Stan C., Introducere în bioetica, Ed. Conphys, 2007;
13. Stan C., Medical Malpractice. Etna Publishing House, 2009;

Corroborating the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the field of Health
The practical activity of the future doctor is based not only on theoretical and practical knowledge strictly medical, but also on professional deontology, patience and special conscientiousness, on understanding the dimensions and legal consequences of his activity, which are acquired through the studies ofspeciality begun in the discipline: Medical legislation. Professional organization and ethics .

Mode of transmission of information	
Forms of activity	**Didactic methods used**
Course	Multimedia projection of the material according to the analytical curriculum accompanied by interactive programmatic education, in order to form the practical learning of the theoretical notions accumulated and acquired.
Laboratory / clinical internship / seminar	That's not the case

Minimum performance standard – minimum scale of activities that must be performed by the student at the practical works / clinical internship in order to be admitted to the practical examination – to the seminar / project in order to be admitted to the final verification
Forfinal verification: attendanceat min. 80% of the courses taught and oral presentation of a report with a case study.

When determining the final grade, account shall be taken of the	**Weighting in scoring, expressed in percentages (Total = 100%)**
- answers to the exam / verification (final evaluation)	**80%**
- final responses to practical laboratory work	**%**
- periodic testing by control works / colloquia	**%**
- continuous testing during the semester	**10%**
- activities such as themes / papers / essays / translations / projects, etc.	**10%**
- other activities (specify)	**%**

Describe the practical ways of final evaluation, E/V. descriptive written work

Minimum requirements for Note 5 (or how to award a grade of 5)	**Note 10 requirements** (or how to award a grade of 10)
• Knowledgeof the minimum notions taught, definition of terms	In-depth knowledge of all thenotions taught, the ability to conduct a case study

Date of completion
2 4.09.2020

Discipline holder,
Lecturer Dr. Ana-Maria Mihălcescu

Head of Department,
Assoc. Prof. Dan Ulmeanu, PhD

Course holder,
Lecturer Dr. Ana-Maria Mihălcescu

Seminar / laboratory / clinical internship holder,

Date of approval in the department
30.09.2020

TITU MAIORESCU UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 201 9-2020

DISCIPLINE SHEET

Faculty	**MEDICINE**
Department	**Medico-surgical and prophylactic disciplines**
Field of study	**HEALTH**
Cycle of studies	**Bachelor's degree**
Study program	**Medicine**

Name of the discipline	**RELATED TECHNOLOGIES IN CARDIO-VASCULAR SURGERY**					
Teaching position, name and surname of the discipline holder	**SL. Dr. Lucian Florin Dorobanţu**					
Teaching position, name and surname of the course holder	**SL. Dr. Lucian Florin Dorobanţu**					
Teaching position, name and surname of the seminar holder / laboratory / clinical internship	-					
Code of Discipline	**MLE.O.8**	Formative category of the discipline		**SS**		
Year of study	**IV**	Semester*	**8**	Type of final assessment (**E, V**)		**V8**
The regime of discipline (O-o bligatorie, Op-op tion, F-f acultative)				**Op**	Number of credits	**2**

** If the discipline has several semesters of study, a sheet is filled in for each semester*

Number of hours per week	**1**	of which classes:	**1**	seminar / laboratory / clinical internship	**0**
Total hours of the curriculum	**14**	of which classes:	**14**	seminar / laboratory / clinical internship	**0**
		Total hours per semester	**50**	Total hours of self-study	**36**

Distribution of the time fund	Hours
1. Deciphering and studying course notes	6
2. Study by textbook, course support	6
3. Study of the minimum bibliography indicated	6
4. Additional documentation in the library	6
5. Specific training activity SEMINAR and/or LABORATORY	0
6. Realization of themes, papers, essays, translations, etc.	2
7.Preparation of control works	0
8. Preparation of oral presentations	0
9. Preparation of the final examination	2
10. Consultations	0
11. Field documentation	0
12. Documentation on the Internet	4
13. Tutoring	2
14. Examinations	2
15. Other activities	0

Course name	RELATED TECHNOLOGIES IN CARDIO-VASCULAR SURGERY
Discipline-specific professional competences	Acquiring during the preparation of adequate knowledge of: - Classification of valvulopatii - Surgical indications of valvulopatiilor - Types of valvular replacements - Types of minimally invasive access for valvular prosthesis - Types of minimally invasive interventions for valvular prosthesis - Complications of valvular prosthesis
Transversal competences	Autonomy and responsibility - To know the types of valvulopatii - To know the methods of medical treatment - To know the methods of surgical treatment - To know and to discern between the various vavulare prostheses - To know the procedures and especially their complications
The general objective of the discipline	Knowledge of minimally invasive procedures and types of approach in valvular prosthesis
Discipline-specific objectives	Detailed cunaosterea of valvulopatiilor Knowledge of available methods of treatment Knowledge of the types of approach and their complications

Course content – Syllabus	14 Hours
1. Notions of cardiac valvular anatomy	2
2. Notions of cardiac valvular pathophysiology	2
3. Operator indications for the different valvulopatii	1
4. Medical treatment of valvulopatiilor	1
5. Classical and minimally invasive approach pathways in valvular surgery	2
6. Types of valvular replacements	2
7. Types of minimalinvasive valvular interventions	2
8. Complications of minimalinvasive cardiac valvular surgery	2
Minimal bibliography	
1. Donald B Doty, John R Doty - Cardiac Surgery – Operative Technique, 2012, ed Elesevier 2. Lucian Dorobantu – Cardiac surgery course – electronic format	

Corroborating the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the field of Health
Corroborating the content of the discipline according to EU requirements, as thebear allows integration into a responsible professional environment and corresponding to the expectations of representatives of the epistemic community, professional associations and employers in the field of health. Analysis and development of TAVI knowledge for the training of doctors with professional skills integrated with the provisions of the European Union and CMR.

Mode of transmission of information	
Forms of activity	**Didactic methods used**
Course	Interactive programmed education; free debates on specific topics; multimedia projection of the course support Live broadcasts from the operating room
Laboratory / clinical internship / seminar	-

Minimum performance standard - minimum scale of activities to be performed by the student
- To know general notions regarding the minimally invasive procedures of cardiac valvular replacement

When determining the final grade, account shall be taken of the	Weighting in scoring, expressed in percentages (Total = 100%)
- answers to the exam / verification (final evaluation)	**60%**
- final responses to practical laboratory work	**That's not the case**
- periodic testing by control works / colloquia	**20%**
- continuous testing during the semester	**20%**
- activities such as themes / papers / essays / translations / projects, etc.	**0%**
- other activities,	**0%**
Describe the practical ways of final evaluation: Grid exam	
Minimum requirements for Note 5 (or how to award a grade of 5)	**Note 10 requirements** (or how to award a grade of 10)
• promotion of control work • promotion of periodic testing • knowledge of the basics regarding the minimally invasive techniques of valvular prosthesis	In-depth knowledge of the topics debated in the course

Date of completion
28.09.2020

Discipline holder,
SL. Dr. Lucian Florin Dorobanţu

Head of Department,
Associate Professor Dan ULMEANU, PhD

Course holder,
SL. Dr. Lucian Florin Dorobanţu

Date of approval in the department
30.09.2020

TITU MAIORESCU UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2020-2021

DISCIPLINE SHEET

Faculty	**MEDICINE**
Department	**Hirurgical** and **Prophylactic** Medico-C disciplines
Field of study	**HEALTH**
Cycle of studies	**Bachelor's degree**
Study program	**Medicine**

Name of the discipline	**NUTRITION AND DIETETICS**					
Teaching position, name and surname of the discipline holder	**S. L.A. Dr. Culman Mirela Ioana**					
Teaching position, name and surname of the course holder	**S. L.A. Dr. Culman Mirela Ioana**					
Teaching position, name and surname of the seminar holder / laboratory / clinical internship						
Code of Discipline	**MLE.O.9**	Formative category of the discipline		**SS**		
Year of study	**IV**	Semester*	**8**	Type of final assessment (**E, V**)		**V8**
The regime of discipline (O-o bligatorie, Op-op tion, F-f acultative)			**Op**	Number of credits		**2**

** If the discipline has several semesters of study, a sheet is filled in for each semester*

Number of hours per week	**1**	of which classes:	**1**	seminar / laboratory / clinical internship	
Total hours of the curriculum	**14**	of which classes:	**14**	seminar / laboratory / clinical internship	**14**
		Total hours per semester	**50**	Total hours of self-study	**36**

Distribution of the time fund	Hours
1. Deciphering and studying course notes	4
2. Study by textbook, course support	4
3. Study of the minimum bibliography indicated	4
4. Additional documentation in the library	4
5. Specific training activity SEMINAR and/or LABORATORY	4
6. Realization of themes, papers, essays, translations, etc.	2
7.Preparation of control works	0
8. Preparation of oral presentations	2
9. Preparation of the final examination	4
10. Consultations	2
11. Field documentation	0
12. Documentation on the Internet	4
13. Tutoring	0
14. Examinations	2
15. Other activities:	0

Course name	NUTRITION AND DIETETICS
Discipline-specific professional competences	General notions about endocrine pathology. The main, endocrine disorders (according to the curriculum): definition, etiopathogenesis, diagnosis, differential diagnosis, treatment, prophylaxis. Notions of endocrinological medical practice, diagnostic and treatment protocols, procedures, paraclinical investigations (laboratory samples, dynamic tests, imaging investigations), methodology and technique of caring for the patient with endocrine diseases.
Transversal competences	Notions of auxology. Endocrinological imaging.
The general objective of the discipline	Presentation of the main endocrine disorders. Notions of endocrinological medical practice, diagnostic and treatment protocols, procedures, paraclinical investigations (laboratory samples, dynamic tests, imaging investigations). Composition and implementation of diet and nutrition plans.
Discipline-specific objectives	The strengthening of the notions of endocrinological medical practice, of the diagnostic and treatment protocols, procedures, paraclinical investigations (laboratory samples, dynamic tests, imaging investigations), the methodology of diagnosis and the establishment of the diet and nutrition protocule.

Course content – Syllabus	14 Hours
1. Notions of endocrine physiology – Recapitulation	1h
2. Hypothalamic pathology - diabetes insipidus	1h
3. Pituitary pathology, pituitary tumors, classification, unclassifying and secreting clinical forms	1h
4. Pituitary dwarfism, acromegaly	1h
5. Myxedema thyroid pathology	1h
6. Thyrotoxicosis, hyperthyroidisms .- Graves-Basedow's disease.- Hyperthyroidized multinodular goiter.	1h
7. Acute, subacute and chronic thyroiditis.- Differentiated, medullary and undifferentiated thyroid cancer. Primary hyperparathyroidism (Recklinghausen's disease) and secondary hyperparathyroidism. Tertiary hyperparathyroidism.	1h
8. Adrenal pathology,Addison's disease, pheochromocytoma, Conn syndrome	1h
9. Diabetes mellitus, hypoglycemia	1h
10. Nutrition Guide	1h
11. General notions of dietetics	1h
12. Health education on diet, treatment, prophylaxis of complications and notification of the appearance of their first signs; necessity of periodical medical control.	1h
13. Diet – specific applications	1h
14. Diet – Specific Applications	1h
Content of the laboratory / clinical internship / seminar – Analytical syllabus	

Minimal bibliography

1. Ghid de endocrinologie clinic, E. Zbranca, Ed. Polirom Ed.I-1999/ Ed.II-2007 Ed.III-/2008.
2. Clinical Endocrinology – 2015 - Constantin Dumitrache, Publishing House: National -
3. Human Clinical Nutrition, Handbook for Students and Residents. Coordinator Cristian Serafinceanu, Editura Medicală, Bucharest, 2012, ISBN 978-973-39-0736-7
4. Guide to healthy eating. Romanian Society of Nutrition. Coord. Mariana Graur. EDITURA PERFORMANTICA IAŞI – 2006
5. Diabetes Manual for students and residents: 9:186-201 Coordinator Radu Lichiardopol Publishing House „Ilex", 2011, ISBN 978- 973-7928-66-5
6. Nutrition Guide- from prevention to therapy. Coord. Nicoleta Tupiță. University Press Publishing House, 2019
7. Electronic course support taught

Corroborating the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the field of Health
All the topics taught at the course are exposed in the didactic and scientific materials of the discipline, monographs, guides, courses, in which are taken the latest data from the national and international specialized literature, corresponding to the maximum expectations of the representatives of the epistemic community, professional associations and employers representative in the field of Health in the country. Most of the topics exhibited have the correspondent of the scientific content requested by the bibliography of the national residency contest.

Mode of transmission of information	
Forms of activity	**Didactic methods used**
Course	Supporting the course through oral presentation, support on electronic support (Power Point presentations), individual demonstrations.
Laboratory / clinical internship / seminar	

Minimum performance standard – minimum scale of activities that must be performed by the student at the practical works / clinical internship in order to be admitted to the practical examination – to the seminar / project in order to be admitted to the final verification

When determining the final grade, account shall be taken of the	**Weighting in scoring, expressed in percentages (Total = 100%)**
- answers to the exam / verification (final evaluation)	**80%**
- final responses to practical laboratory work	**-**
- periodic testing by control works / colloquia	**10%**
- continuous testing during the semester	**10%**
- activities such as themes / papers / essays / translations / projects, etc.	**-**
- other activities (scientific papers, publications)	**-**
Describe practical ways of final evaluation, E/V. Written exam with editorial topics	
Minimum requirements for Note 5 (or how to award a grade of 5)	**Note 10 requirements** (or how to award a grade of 10)
• presentation for the exam • going through periodical tests through control works on practical works with correct final answers, respectively obtaining satisfactory scores during these tests during the semester • correct completion of some subjects at the final exam (minimum scale).	• Correct completion of all the requirements of the final exam. • If this is the case, the student who participated in activities such as essays / essays / translations receives 20% at the final grade.

Date of completion
20.09.2020

Discipline holder,
S. L.A. Dr. Culman Mirela Ioana

Head of Department,
Associate Professor Ulmeanu Dan Ioan, PhD

Course holder,
S. L.A. Dr. Culman Mirela Ioana

Seminar / laboratory / clinical internship holder,
S. L.A. Dr. Culman Mirela Ioana

Date of approval in the department
30.09.2020

TITU MAIORESCU UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 201 9-2020

DISCIPLINE SHEET

Faculty	**MEDICINE**
Department	**MEDICAL-SURGICAL AND PROPHYLACTIC DISCIPLINES**
Field of study	**HEALTH**
Cycle of studies	**Bachelor's degree**
Study program	**MEDICINE**

Name of the discipline	**PRINCIPLES OF QUALITY MANAGEMENT IN HEALTH**					
Teaching position, name and surname of the discipline holder	**S.L. dr. Muand Simona**					
Teaching position, name and surname of the course holder	**S.L. dr. Muand Simona**					
Teaching position, name and surname of the seminar holder / laboratory / clinical internship	-					
Code of Discipline	**MLE.O.11**	Formative category of the discipline		**DS**		
Year of study	**IV**	Semester*	**8**	Type of final assessment (**E, V**)		**V8**
The regime of discipline (O-o bligatorie, Op-op tion, F-f acultative)			**Op**	Number of credits		**2**

** If the discipline has several semesters of study, a sheet is filled in for each semester*

Number of hours per week	**1**	of which classes:	**1**	seminar / laboratory / clinical internship	**0**
Total hours of the curriculum	**14**	of which classes:	**14**	seminar / laboratory / clinical internship	**0**
		Total hours per semester	**50**	Total hours of self-study	**36**

Distribution of the time fund	Hours
1. Deciphering and studying course notes	4
2. Study by textbook, course support	4
3. Study of the minimum bibliography indicated	4
4. Additional documentation in the library	4
5. Specific training activity SEMINAR and/or LABORATORY	4
6. Realization of themes, papers, essays, translations, etc.	2
7.Preparation of control works	0
8. Preparation of oral presentations	2
9. Preparation of the final examination	4
10. Consultations	0
11. Field documentation	0
12. Documentation on the Internet	4
13. Tutoring	2
14. Examinations	2

15. Other activities:	0

Course name	**Principles of quality management in health**
Discipline-specific professional competences	- Acquiring skills for the use of specific working methods in quality management - Use and interpretation of indicators specific to quality management - Understanding how to ensure quality and improve the quality of health services and patient safety
Transversal competences	- Identify roles and responsibilities in a multidisciplinary team and apply techniques for networking and effective work within it. - Efficient use of assisted vocational training resources (speciality portals, databases, online courses, etc.)
The general objective of the discipline	- Learning the working methodology specific to quality management in health.
- **Discipline-specific objectives**	- Knowledge of the theoretical basis of quality management in health, including some legal regulations in the field. - Acquiring the knowledge and skills necessary to assess the quality of health care. - Acquiring the knowledge necessary to understand the specifics of quality management from an organizational and clinical perspective

Course content – Syllabus	**14 hours**
1. Introduction to Quality Management; evolution, perspectives	1h
2. The international context; national regulatory framework	1h
3. National Strategy for 2018-2025 "Quality in Health" – overview	1h
4. Monitoring and evaluation of the implementation of the national strategy for the quality of the SS	1h
5. Organization of the health care system in Romania	1h
6. Efficacy and efficiency in health	1h
7. Safety of healthcare from the perspective of the patient and medical staff	1h
8. Patient, family and medical staff satisfaction	1h
9. General principles for carrying out the SWOT analysis	1h
10. Quality indicators in health	1h
11. Internal and external quality monitoring	1h
12. Accreditation activity of the health units in our country – overview	1h
13. Standards for accreditation of health facilities - overview	1h
14. Institutions, partners and interrelations necessary to ensure quality in health	1h
Content of the laboratory / clinical internship / seminar – Analytical syllabus	No. Hours
-	-

Minimal bibliography

1. Law nr. ANRE President's Order no. 185/2017 on quality assurance in the health system. M. Of. No. 599 /26.07.2017
2. WHO Regional Office for Europe. Guidance on developing quality and safety strategies with a health system approach. 2008
3. Spath PL. Introduction to Healthcare Quality Management, Third Edition. Health Administration Press. 2018

   ANMCS. The national strategy for quality assurance in the health system for the period 2018-2025. Bucharest. 2018

Corroborating the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the field of Health

As a primary goal, the discipline aims to provide students with optimal premises, in the perspective of successful employment, immediately after graduation, in residency programs in Romania and other EU countries.

Organizing meetings with teachers from other disciplines of preventive medicine and with employees of CASMB Bucharest, DSP Bucharest; identifying the needs and expectations of employers in the field and coordinating with other similar programs within other medical higher education institutions in the country.

Mode of transmission of information	
Forms of activity	**Didactic methods used**
Course	Interactive programmed education; multimedia projection of the course support.
Laboratory / clinical internship / seminar	-

Minimum performance standard – minimum scale of activities that must be performed by the student at the practical works / clinical internship in order to be admitted to the practical examination – to the seminar / project in order to be admitted to the final verification
- to carry out the essay/report/project assigned by the teacher.

When determining the final grade, account shall be taken of the	**Weighting in scoring, expressed in percentages (Total = 100%)**
- answers to the exam / verification (final evaluation)	**80 %**
- final responses to practical laboratory work	**0 %**
- periodic testing by control works / colloquia	**0 %**
- continuous testing during the semester	**0 %**
- activities such as themes / papers / essays / translations / projects, etc.	**20 %**
- other activities,	**0 %**

Describe the practical ways of final evaluation, E: written paper (grid test)

Minimum requirements for Note 5 (or how to award a grade of 5)	**Note 10 requirements** (or how to award a grade of 10)
• realization of the assigned essay/report/project	• in-depth knowledge of the notions taught at the course

Date of completion
25.09.2020

Discipline holder,
S.L. dr. Musat Simona

Head of Department,
Associate Professor Dan Ioan Ulmeanu, PhD

Course holder,
S.L. dr. Musat Simona

Date of approvalin the department
... 30.09.2020...

"TITU MAIORESCU" UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 201 9-2020

DISCIPLINE SHEET

Faculty	**GENERAL MEDICINE**
Department	**DEPARTMENT OF MEDICAL-SURGICAL AND PROPHYLACTIC DISCIPLINES**
Field of study	**HEALTH**
Cycle of studies	**Bachelor's degree**
Study program	**Medicine**

Name of the discipline	**PEDIATRIC SURGERY. PEDIATRIC ORTHOPEDICS**					
Teaching position, name and surname of the discipline holder	**DR. CIOBANU CONSTANTIN**					
Teaching position, name and surname of the course holder	**DR. CIOBANU CONSTANTIN**					
Teaching position, name and surname of the seminar holder / laboratory / clinical internship	**DR. CIOBANU CONSTANTIN** **DR. TUDORACHE SIMONA-GABRIELA**					
Code of Discipline	**M.4.7.6**	Formative category of the discipline			**DS**	
Year of study	**Iv**	Semester*	**7**	Type of final assessment (**E, V**)		**E7**
The regime of discipline (O-o bligatorie, Op-op tion, F-f acultative)			**A**	Number of credits		**4**

* *If the discipline has several semesters of study, a sheet is filled in for each semester*

Number of hours per week	**4**	of which classes:	**2**	seminar / laboratory / clinical internship	**2**
Total hours of the curriculum	**56**	of which classes:	**28**	seminar / laboratory / clinical internship	**28**
		Total hours per semester	**100**	Total hours of self-study	**44**

Distribution of the time fund	Hours
1. Deciphering and studying course notes	5
2. Study by textbook, course support	10
3. Study of the minimum bibliography indicated	10
4. Additional documentation in the library	5
5. Specific seminar and/or laboratory preparation activity	0
6. Realization of themes, papers, essays, translations, etc.	0
7. Preparation of control works	2
8. Preparation of oral presentations	0
9. Preparation of the final examination	10
10. Consultations	2
11. Field documentation	0
12. Documentation on the Internet	0
13. Tutoring	0

14. Examinations	0
15. Other activities:	0

Course name	**PEDIATRIC SURGERY. PEDIATRIC ORTHOPEDICS**
Discipline-specific professional competences	1. **Knowledge, understanding, explanation and interpretation** The course will expose to the audience a point of view on a subject under the conditions of a work plan, without interruptions through questions but following by specific means the reception of the desired message. The practical works will verify, through practice, the understanding of the specific notions of the Orthopedics-Traumatology Discipline, the pathophysiological and anatomo-pathological context, the ways of expressing the disorders produced (semiology), the possibilities of intervention of the doctor in accordance with the ethical-professional principles. Developing the spirit of medical-professional responsibility 2. **Instrumental-applicative** -the student must be able to examine a patient with osteoarticular traumatic injury, -to interpret laboratory analyzes, radiographic documents and MRI, -to prove its capacity of synthesis of anamnestic, clinical and paraclinical data in a diagnosis followed by the establishment of a therapeutic conduct (curative, preventive or recovery) beneficial to the patient and in the spiritual Hippocratic Oath of the Cos. **3. Attitudinal** **-** the student must become able to evaluate his knowledge and attitudes in the pertinent use of knowledge for a correct, efficient and responsible therapeutic exercise
Transversal competences	To demonstrate concern for professional development by training critical thinking skills To demonstrate involvement in scientific activities, such as the elaboration of articles and specialized studies To participate in scientific projects, compatible with the requirements of integration into European education
The general objective of the discipline	Ability to analyze and synthesis Ability to organize Understanding Ability to evaluate and self-evaluate The ability to work in a team The ability to have ethical behavior
Discipline-specific objectives	Organization of the orthopedics and traumatology service Knowledge of the notions of asepsis and antisepsis in orthopedics Preparation of the clinical observation sheet of a patient with pediatric orthopedic disorder Examination of the patient with orthopedic or traumatic conditions Presentation of etiopathogenesis and classifications specific to the discipline Notions of diagnosis (clinical, paraclinical, imaging) and treatment (orthopedic, surgical and recuperative) Knowledge of implants and specific materials in orthopedistsof pediatric surgery and traumatology

Course content – Syllabus	Nr. hours
Theme 1. Congenital malformations of the musculoskeletal system -etiology of congenital malformations -congenital malformations of the upper limb: overgrown shoulder blade, congenital synostosis of the upper limbs, congenital crooked mine, confgenital malformations of the carp and minii. -congenital malformations of the lower limb: congenital crooked leg varus-equine, congenital crooked leg talus-valgus, congenital dislocation of the hip; congenital torticollis ; juvenile dorsal kyphosis	2

Theme 2. Localized osteochondropathies -osteochondrosis of the femoral head (Legg-Calve-Perthes disease) -anterior tibial apophysitis (Lanneloque-Osgood-Schlatter disease) -posterior apophysitis of the calcaneus (Sever disease) -tarsian scaphoiditis (Kohler I disease)	2
Theme 3. Disorders of osteogenesis - achondroplasia - late imperfect osteogenesis (Lobstein's disease) - arthrogryposis (congenital redoria) - iatrogenic retraction of quadriceps	2
Theme 4. Pediatric traumatology –morphofunctional peculiarities of the musculoskeletal system in children –radiological peculiarities of the musculoskeletal system in children -fractures of the upper limb in the child -fractures of the lower limb in the child -epiphyseal detachments -obstetrical paralysis of the brachial plexus	2
Theme 5. Pathology of the head region:cheiloschizis, cleft palate Pathology of the cervical region -cysts and fistulas of the midline -thyreo-hyoidal mucoid cyst -cysts and lateral fistulas Pathology of the diaphragm: hernias and eventrations of the diaphragm, hiatal hernia	2
Theme 6. Pathology of the esophagus: esophagus atresia, eso-tracheal fistula, esophagus duplication, cardiospasm Pathology of the stomach: gastro-duodenal ulcer in the child, congenital hypertrophic pylorus stenosis	2
Theme 7. Malformations of small and large intestine: malrotations, situs inversus, atrezii of small intestine, meconial peritonitis, megacolon, intestinal invagination Primitive acute peritonitis: acute appendicitis Pathology of the abdominal wall: omphalocele, laparoschizis, umbilical fistulas, Diverticulitis Meckel, umbilical hernia, inguinal hernia, sorder cyst, hydrocele	2
Laboratory content – Analytical syllabus	Nr. hours
1. Congenital malformations of the musculoskeletal system • Presentation of X-rays of clinical cases in the clinic • Presentation of instruments specific to each disease • Presentation of clinical cases	2
2. Localized osteochondropathies • Presentation of X-rays of clinical cases in the clinic • Presentation of instruments specific to each disease • Presentation of clinical cases	2
3. Disorders of osteogenesis • Presentation of clinical cases • Presentation of X-rays of clinical cases in the clinic • Presentation of instruments specific to each disease • Surgical demonstrations	2
4. Infantile cerebral palsy (PCI-BMI syndromes)	2
5. Carential rickets • Presentation of clinical cases • Presentation of X-rays of clinical cases in the clinic • Presentation of instruments specific to each disease • Surgical demonstrations	2
6. Pediatric traumatology • Presentation of clinical cases • Presentation of X-rays of clinical cases in the clinic • Presentation of instruments specific to each disease	2

• Surgical demonstrations	
7. Pathology of the abdominal wall	2

Minimal bibliography

1. Zechariah C; Ghiur M; Ghiur L; Niculescu M; Bahrin G, General Surgery, Orthopedics-Traumalology, Practical Works. Bucharest, Carol Davila University Publishing House, 2016, ISBN 978-973-708-718-8
2. Zechariah C; Bahrin G; Niculescu M. Problems of orthopedic pathology and the place of biosurgery in the treatment of osteartícular diseases. lasi, Romania, Editura „Ars Longa",2014, ISBN 978-973-148-183-8
3. Pediatric surgery and orthopedics course - Zamfir T, Bucharest 1991, lithographed course
4. Orthopedics and pediatric traumatology- Jianu M., Zamfir T., Ed.Traditie, Buc. 1995
5. Course support taught

Corroborating the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the field of Health

The content of the discipline is in line with what is done in other university centers in the country and abroad. It provides knowledge of different types of pediatric orthopedic examinations and procedures and pediatric surgeons and the technique of their drafting. Knowledge of the medical legislation in Romania in order to correctly draw up the medical documents. Acquiring some elementary notions of the relationship between the related surgical and medical specialties. Acquiring some elementary notions of pediatric orthopedic and surgical medical practice.

Mode of transmission of information

Forms of activity	Didactic methods used
Course	Interactive programmed education; multimedia projection of the course support, PPT
Clinical internship	The clinical internship will consist of the direct contact of the students with the patient, through visits to the ward, exemplification of the instruments and surgical techniques as well as through active participation in operations, case studies

Minimum standard of performance - minimum scale of activities that must be performed by the student at the practical works in order to be admitted to the practical exam

- Anamnesis of the patient
- General and local clinical examination
- Recommendation of laboratory and imaging investigations
- Knowledge of the instruments specific to each disease
- Application of a gypsum apparatus
- Application of continuous traction

When determining the final grade, account shall be taken of the	Weighting in scoring, expressed in percentages (Total = 100%)
- answers to the exam / verification (final evaluation)	**70 %**
- final responses to practical laboratory work	**10 %**
- periodic testing by control works / colloquia	**0 %**
- continuous testing during the semester	**20 %**
- activities such as themes / papers / essays / translations / projects, etc.	**0 %**
- other activities,	**0 %**

Describe the practical ways of final evaluation, E: written work (descriptive and grid test)

Minimum requirements for Note 5 (or how to award a grade of 5)	Note 10 requirements (or how to award a grade of 10)
• passing the practical exam • promotion of control work • at least 50% correct answers	• The 10th grade is awarded for the acquisition to perfection of the knowledge taught at the course and at the internship. • At least 90% correct answers

Date of completion
15.09. 2019

Discipline holder,
DR. CIOBANU CONSTANTIN

Course holder,
DR. CIOBANU CONSTANTIN

Date of approvalin the department
30.09.2019

Department Director,
Associate Professor Dan ULMEANU, PhD

Laboratory holder,
DR. CIOBANU CONSTANTIN
DR. TUDORACHE SIMONA-GABRIELA