TITU MAIORESCU UNIVERSITY OF BUCHAREST
FACULTY OF MEDICINE
MEDICINE IN ENGLISH

SPECIALISATION ACADEMIC YEAR: 2022-2023

DISCIPLINE FILE

Faculty	**MEDICINE**
Department	**MEDICAL-SURGICAL AND PROPHYLACTIC DISCIPLINES**
Field of study	**HEALTHCARE**
Study cycle	**BACHELOR**
Study programme	**MEDICINE**

Discipline's Name	**AIC**					
Didactic position, name and surname of the Discipline Coordinator	**CONF. UNIV. DR. Radu STOICA**					
Didactic position, name and surname of the Discipline Coordinator	**CONF. UNIV. DR. Radu STOICA**					
Didactic position, name and surname for the Coordinator of the Seminar / Laboratory / Clinical Traineeship	**CONF. UNIV. DR. Radu STOICA** **Ș.L. Dr. Pricop Mihaela**					
Discipline code	**MLE.6.11 .1**	Formative category of the subject		**SS**		
Year of study	**VI**	Semester*	**11**	Type of final evaluation (**E, V**)		**E11**
Discipline regime (**M-mandatory**, **Op-optional, F-facultative**)				**M**	Number of credits	**4**

** If the subject has several semesters of study, one form must be completed for each semester.*

Number of hours per week	**4**	Out of which are Course hours:	**2**	Seminar / Practical Activity / Clinical Stage	**2**
Total of hours in the curriculum	**56**	Out of which are Course hours:	**28**	Seminar / Practical Activity / Clinical Stage	**28**
		Total hours per semester	**100**	Total hours of individual study	**44**

Distribution of time pool per week	Hours
1. Study of the course material	8
2. Study according with the course support, manuals	6
3. Study of the minimal bibliography	3
4. Additional documentation in the library	0
5. Specific activity for the seminary or laboratory	4
6. Homeworks, translations, etc.	4
7. Preparing for different written exams	4
8. Prepararing for oral examinations	4
9. Preparing for the final examination	5
10. Consultations	0
11. In the field documentation	0

12. Documentation from web sources, portals, wiki websites	3
13. Tutoring	2
14. Examinations	1
15. Other activities:	0

Course name	**AIC**
Specific professional competencies	Description of the main medical and surgical emergencies. Understanding the specific modalities of intervention in ICU.
Transversal competencies	Demonstrate a concern for professional development by training critical thinking skills. Demonstrate involvement in scientific activities such as writing articles and specialist studies. Participate in projects of a scientific nature, compatible with the requirements of integration into European education.
General objectives of the discipline	Assessment of vital functions and their changes. Main medical-surgical emergencies: causes, diagnosis, therapeutic measures.
Specific objectives of the subject	Drawing up and implementing the medical emergency monitoring plan Learning specific ATI techniques: vascular access, oxygen therapy, vital functions monitoring.

Course Syllabus	**28 hours**
Course 1. Concepts of pain pathophysiology • Peripheral nociceptive sensor • Extraneural conduction pathways • Processing and modular centres • Integration centres • Pain therapy	2h
Course 2. General Anaesthesia - 1 • History. The development of classical anaesthesia up to Griffith • Birth of the modern concept of the anaesthetic quadrupole • Substances used in modern anaesthesia • Modern anaesthesia equipment • Monitoring and protocol in anaesthesia	2h
Course 3. General Anaesthesia - 2 • Modern anaesthesia equipment • Monitoring and protocol in anaesthesia	2h
Course 4. Locoregional anaesthesia • History • Techniques of loco-regional anaesthesia. Truncal, plexus, radicular, spinal, local infiltration anaesthesia i.v., intraosseous	2h
Course 5. Shock states • History of the emergence of the concept of shock • Definition of shock • Normal reaction, pathological reaction to aggression, organisational levels of shock development	2h
Course 6. Collapse states • Define. Causes • Syncope • Lipotimiums	2h
Course 7. Hypodynamic shock states • Microcirculation characteristics in shock	2h
Course 8. Hyperdynamic shock states • Hemodynamic therapy in shock	2h

Course 9. Excretory failure • Define. Conditions of occurrence • Acute and chronic failure • Therapy	2h
Course 10. Respiratory failure • Define. Conditions of occurrence • Acute and chronic failure	2h
• Therapy	
Course 11. Metabolic failure • Define. Conditions of occurrence • Acute and chronic failure • Therapy	2h
Course 12. Digestive tract failure • Digestive tract shock • Contamination, pollution and transgression phenomena • Shock liver • Therapy	2h
Course 13. Blood system failure in shock • The blood system as a multifunctional system • Coagulation changes as a marker of endothelial damage • Disseminated intravascular coagulation • Therapy of coagulation disorders in shock	2h
Course 14. Central nervous system failure • Coma states • Causes and forms of comas • Coma therapy	2h
Content of the clinical placement - Analytical programme	**28 hours**
1. Organisation of the ICU	2h
2. Anaesthetic sector in the operating theatre. Anaesthesia equipment. Anaesthetic medication	2h
3. Recording the activity. Anaesthesia sheet. Classes of medication used in ICU	2h
4. Pre- and post-operative monitoring of vital functions	2h
5. Learning specific ATI techniques. Vascular access. Use of infectomats and nutripumps in the ICU.	2h
6. Epidural and intra-arachnoid administration of analgesics	2h
7. Basic principles in critical emergency management. Team concept in emergency medicine	2h
8. Specific manoeuvres in emergency medicine. CPR. Venous catheterization. Pericardial puncture.	2h
9. Pleural drainage. Provisional immobilization of limbs. Positioning the patient for transport. Volemic replenishment	2h
10. Transfusion of blood and blood derivatives	2h
11. Care of the critically ill patient	2h
12. Tracking the progress and medication of ICU patients	2h
13. Drugs commonly used in emergency medicine	2h
14. Management of acute poisoning in the ICU	2h
Minimum References:	

1. G. Litarczek - Medical and Surgical Emergencies, 2013
2. Mihai Pricop ; Adrian Barbilian, Local anesthesia in osteoarticular pathology of the limbs, Edi. Militara Bucharest 2006
3. A Macri, R Stoica, C Toma, 1 Strâmbu, Preoperative medical preparation of patients with respiratory diseases, Carol Davila University Press, Bucharest, 2016,
4. Cordos Ioan, Stoica Radu, Challenges in Thoracic Surgery, Carol Davila University Publishing House, Bucharest, 2015
5. R. Stoica.capit. Anesthesia in large airway surgery, in ACTUALITIES IN ANESTHESIA AND INTENSIVE THERAPY, THORACE AND RESPIRATION, edited by SM Copotoiu, L Azamfirei, UNIVERSITY PRESS, Targu Mures, 2018, ISBN 978-973-169-545-7
6. R. Stoica, G. Cadar. Anaesthetic techniques in oesophageal surgery. In TRATAT DE PATOLOGIE ȘI CHIRURGIE ESOFAGIANĂ, Edited by S. Constantinoiu, 1. Cordoș, C. Ciuce, V. Scripcariu, ROMANIAN ACADEMY PUBLISHING, 2017, ISBN 978-973-27-2782-9
7. URGENT MEDICAL, Red. Maria Doribantu, 2017, Medical Publishing House.
8. NEWS IN ANAESTHESIA AND INTENSIVE CARE. Edited by SM Copotoiu, L Azamfirei, Ed.UNIVERSITY PRESS, Targu Mures, 2017.
9. NEWS IN ANAESTHESIA AND INTENSIVE CARE.. MOTHER AND CHILD. E d i t e d by SM Copotoiu, L Azamfirei, UNIVERSITY PRESS, Targu Mures, 2015.
10. NEWS IN ANAESTHESIA AND INTENSIVE CARE. INTENSIVE CARE, EMERGENCY MEDICINE, TRANSFUENCES. Edited by SM Copotoiu, L Azamfirei, Ed. UNIVERSITY PRESS, Targu Mures, 2014.
11. Course material taught

Correlation of the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the health sector
The content of the course and the practical work is in line with that taught in other university centres in the country and abroad. Its adaptation to the information units (theoretical and theoretical) coming from the national scientific communities. and international as well as from the major technical manufacturers is done through a continuous updating of the teaching support.

How the information is transmitted	
Forms of activity	**Teaching methods used**
Course	Interactive, face-to-face course assisted by on-screen video projection (presentations in the system Power Point)
Clinical internship	Clinical activity, practicing in the ward of the ICU, on hospitalized patients, the methods of examination, presentation of clinical cases with emphasis on specific lesions and methods of treatment, mastering the techniques of patient care and the primary notions of surgical technique, teaching and explaining the notions from the practical work.

Minimum performance standard - – the minimum level of activities that need to be fulfilled by the student at the clinical placement in order to be admitted to the practical examination

- Full make-up of clinical placement absences;
- Student attendance at all seminars.

Evaluation of the clinical stage :

- Clinical case presentation selected from the case histories available in the ICU Clinic
- Perform clinical manoeuvres consistent with the selected case
- Description of specific ICU medication

Consideration points for computing the final score:	**Percentage share of scoring (Total = 100%)**
- exam/check answers (final assessment)	**40%**
- final answers to the practical laboratory work	**20%**
- regular testing through control papers / colloquia	**10%**
- continuous testing throughout the semester	**10%**
- activities such as homework / reports / essays / translations / projects etc.	**10%**
- other activities	**-**

Describe the practical arrangements for the final evaluation, E

Written paper with 10 questions on the subject of the courses taught, individual practical exam.
The exam will be conducted online or face-to-face depending on the evolution of the SARS-COV 2 coronavirus pandemic.

Minimum requirements for grade 5 (or how grade 5 is awarded)	**Requirements for the grade 10** (or how grade 10 is awarded)
• Passing the clinical traineeship examination • Correct answer to 5 questions in the final written assessment • Description of specific ICU medication • Correct performance of the manoeuvres involved in performing loco-regional anaesthesia	• Passing the clinical traineeship exam with a minimum grade of 9 • Correct answer to 9 questions in the final evaluation • Correct presentation of the clinical case, with full and correct differential diagnosis, treatment methods fully exemplified • Correct performance of the manoeuvres involved in to perform loco-regional anaesthesia.

Date of completion
17.09.2022
Discipline holder,
CONF. UNIV. DR. RADU STOICA
Course holder,
CONF. UNIV. DR. RADU STOICA
Date of endorsement in the department
23.09.2022

Head of Department,
CONF. UNIV. DR. DAN IOAN ULMEANU

TITU MAIORESCU UNIVERSITY OF BUCHAREST
FACULTY OF MEDICINE
MEDICINE IN ENGLISH SPECIALISATION
ACADEMIC YEAR: 2022-2023

DISCIPLINE FILE

Faculty	**MEDICINE**
Department	**MEDICAL-SURGICAL AND PROPHYLACTIC DISCIPLINES**
Field of study	**HEALTHCARE**
Study cycle	**BACHELOR**
Study programme	**MEDICINE**

Discipline`s Name	**PEDIATRICS AND PUERICULTURE**					
Didactic position, name and surname of the Discipline Coordinator	**Prof. Univ Dr. Hab. Smaranda Diaconescu**					
Didactic position, name and surname for the Course Coordinator	**Prof. Univ Dr. Hab. Smaranda Diaconescu**					
Didactic position, name and surname for the Coordinator of the Seminar / Laboratory / Clinical Traineeship	**Prof. Univ Dr. Hab. Smaranda Diaconescu** **Conf. Univ. dr. Adrian Toma** **Ș.L. Dr. Laura - Mihaela Ion**					
Discipline code	**MLE.6.11.2**	Formative category of the discipline			**SS**	
Year of study	**VI**	Semester*	**11**	Type of final evaluation (**E, V**)		**E11**
Discipline Regime (**M-m**andatory, **Op-op**tional, **F-f**acultative)				**O**	No. of credits	**7**

** If the subject has several semesters of study, one form must be completed for each semester.*

No. of Hours per week	**6**	Out of which are Course hours:	**2**	Seminar / Practical Activity / Clinical Stage	**4**
Total of hours in the curriculum	**84**	Out of which are Course hours:	**28**	Seminar / Practical Activity / Clinical Stage	**56**
		Total hours per semester	**175**	Total hours of individual study	**91**

Distribution of time pool per week	**Hours**
1. Study of the course material	15
2. Study according with the course support, manuals	14
3. Study of the minimal bibliography	10
4. Additional documentation in the library	8
5. Specific activity for the seminary or laboratory	6
6. Homeworks, translations, etc.	4
7. Preparing for different written exams	4
8. Preparing for oral examinations	4
9. Preparing for the final examination	15
10. Consultations	6
11. In the field documentation	0

12. Documentation from web sources, portals, wiki websites	2
13. Tutoring	1

14. Examinations	2
15. Other activities:	0

Course name	**Paediatrics and childcare**
Specific professional competencies	• Paediatric history. • Clinical examination in paediatrics. Knowledge of the main signs and symptoms in paediatric pathology. • Investigation algorithm. • Establishing the positive diagnosis and differential diagnosis. • Establishing therapeutic conduct. • Discharge recommendations. • Patient follow-up; clinical-biological monitoring through regular check-ups. • The possibility of evaluating information from a scholarly article and assessing the relevance, validity and reliability of that study;
Transversal competencies	• Integration into the multidisciplinary team responsible for providing health and medical care services to children 0-18 years: neonatologist, family doctor, ENT specialist, paediatric surgeon, psychologist; effective collaboration with social welfare services, child protection, etc. Referral of selected cases to paediatric subspecialties (pneumology, cardiology, gastroenterology, nephrology, haemato-oncology, neurology, psychiatry). • Team approach to chronic cases beyond paediatric age for efficient transfer to adult services. • Effective use of information sources, communication and training resources, both in Romanian and in an international language, for the purpose of preparing and presenting a specialist work.
General objectives of the discipline	Learning the essentials of childcare and paediatrics.
Specific objectives of the discipline	Teaching students how to perform the history in pediatrics, clinical examination of children of different ages, establishing the algorithm of investigations, establishing a diagnosis and differential diagnosis, establishing the therapeutic conduct, recommendations at discharge, follow-up of the case through regular checkups. Documentation in order to write a scientific paper, introduction of basic notions in the elaboration of a case presentation, selection of a group of patients for conducting a prospective study

Course Syllabus	**28 hours**
1. Growth and development concepts. Growth factors. Demographic issues.	2h
2. Newborn, infant and child feeding. The 1000 days concept.	2h
3. Deficiency diseases- Common deficiency rickets. Iron deficiency anaemia Protein-calorie malnutrition.	2h
4. Respiratory system Acute rhinopharyngitis Adenoiditis - acute, subacute, chronic Acute streptococcal pharyngotonsillitis Sinusitis, ethmoiditis . Otitis . Epiglottitis . Acute laryngitis	2h
5. Respiratory system Bronchiolite. Pneumococcal pneumonia Staphylococcal bronchopneumonia	2h
6. Bronchial asthma **Digestive system:** Stomatitis**.** Gastroesophageal reflux	2h
7. Digestive system: Gastritis. Primary and secondary ulcers .H. pylori infection	2h
8. Digestive system: Acute gastroenteritis. Acute dehydration syndrome Cow's milk protein allergy. Coeliac disease	2h

9. Cardiovascular system: Acute rheumatic fever Congenital heart malformations (VSD, Patent ductus arteriosus, Tetralogy of Fallot, Coarctation of the aorta) Bacterial endocarditis	2h
10. Urinary system: Acute post-streptococcal glomerulonephritis Nephrotic syndrome. Urinary tract infection	2h
11. Blood diseases Haemolytic anaemias Idiopathic thrombocytopenic purpura; Henoch-Schonlein purpura Haemophilia. Childhood leukaemia. Solid tumours.	2h
12. Pediatric emergency. Febrile seizures Ingestion of foreign bodies Anaphylactic shock	2h
13. Paediatric emergencies. Intoxications: organophosphates, paracetamol, ethanol, methanol, carbon monoxide Ingestion of corrosive substances **Down's disease**	2h
14. Elements of ethics in paediatrics. Communication with the paediatric patient.	2h
Laboratory Syllabus	**56 hours**
1. Paediatric observation sheet	4h
2. Infant and child feeding	4h
3. Deficiency diseases (iron deficiency anaemia, common deficiency rickets, malnutrition)	4h
4. Respiratory system: respiratory system semiology Acute upper respiratory infections	4h
5. Respiratory system: Lower respiratory tract infections. Bronchial asthma	4h

6. Cardiovascular system: Cardiovascular semiology. Congenital heart defects. Bacterial endocarditis.	4h
7. Digestive system: stomatitis, GERD, gastritis, peptic ulcer.	4h
8. Digestive system: acute gastroenteritis. Acute dehydration syndrome.	4h
9. Digestive system:APLV, Celiac disease	4h
10. Urinary system: UTI Nephrotic syndrome Acute glomerulonephritis. post-streptococcal	4h
11. Blood: Haemolytic anaemias Haemostasis pathology Childhood leukaemias	4h
12. Paediatric emergencies Febrile seizures Ingestion and aspiration of foreign bodies Anaphylactic shock	4h
13. Paediatric emergencies Intoxications: organophosphates, paracetamol, ethanol, methanol, carbon monoxide Ingestion of corrosive substances	4h
14. Communication techniques with paediatric patients and their families. Communicating 'difficult' diagnoses.	4h

Minimum References:

1. Ciofu EP, Ciofu C - Pediatric Treatise, edition 1I, Editura . Medical, Bucharest 2001
2. Georgescu A, Anca IA - Compendium of Pediatrics, All Publishing House, Bucharest, 2010,
3. Ion L. - Pediatrics and childcare. Course for students, Titu Maiorescu University Publishing House 2013.
4. Smaranda Diaconescu, Marin Burlea: Pediatrics for Dental Students. Edit. "Gr T Popa", UMF Iasi 2015
5. Diacinescu Smaranda, chapters indicated in Protocols of diagnosis and treatment in pediatrics, coord. M. Nanulescu, ed. Amaltea, Bucharest 2013,
6. Kliegman RM, Stanton BM, StGeme III JW, Schor NF, Behrman RE - Nelson Textbook of Pediatrics, Elsevier Saunders, 2011
7. Diagnostic and treatment protocols in paediatrics,Coordinator Prof. Dr. Mircea Nanulescu. Amaltea Publishing House, 2014, ISBN 978-973-162-127-2
8. Burlea M: Pediatrics for students of the Faculty of Dentistry. Apollonia Publishing House Iasi, 1999.
9. Course support

Correlation of the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the health sector
The thematic content of the discipline is up-to-date and fully in line with both international guidelines and protocols (WHO, ESPGHAN,) and with the guidelines and protocols of the Romanian Society of Paediatrics.

How the information is transmitted	
Forms of activity	**Teaching methods used**
Course	Interactive presentations, in oral and Power Point format
Laboratory	Clinical activity at the bedside Presentations of clinical cases by the teacher and students, interactive discussions on the basis of the cases presented, preparation of reports.

Minimal performance standards – the minimum level of activities that need to be fulfilled by the student during the practical works to be accepted to the final laboratory exam:
Anamnesis, clinical examination, investigation algorithm, positive and differential diagnosis, therapeutic and follow-up plan, establishment of discharge recommendations including (in infants) feeding recommendations, rickets prophylaxis and iron deficiency anaemia.

Consideration points for computing the final score:	**Percentage share of scoring (Total = 100%)**
- exam/check answers (final assessment)	**40 %**
- final answers to the practical laboratory work	**30 %**
- regular testing through control papers / colloquia	**10%**
- continuous testing throughout the semester	**10%**
- activities such as homework / reports / essays / translations / projects etc.	**10%**
- other activities	**-**

Describe the practical arrangements for the final assessment, Exam:
Oral examination with topics, individual practical examination
The exam will be conducted online or face-to-face depending on the evolution of the SARS-COV 2 coronavirus pandemic.

Minimal requirements for grade 5 (or how grade 5 is awarded)	**Requirements for grade 10 (or how grade 10 is awarded)**

• taking periodic tests through LP papers with correct final answers and obtaining satisfactory scores on these tests during the semester • correct answer to half of the topics that constitutes the final examination	• Correct answer to all the topics of the final exam. • If a p p l i c a b l e , the student who participated in the scientific activities receives 20% of the final grade.

Date of completion
17.09.2022

Discipline Coordinator,
Prof. Univ Dr. Hab. Smaranda Diaconescu

Head of Department,
Conf. univ. Dan Ioan Ulmeanu

Course Coordinator,
Prof. Univ Dr. Hab. Smaranda Diaconescu

Department approval date
23.09.2022

TITU MAIORESCU UNIVERSITY OF BUCHAREST
FACULTY OF MEDICINE
MEDICINE IN ENGLISH SPECIALISATION
ACADEMIC YEAR: 2022-2023

DISCIPLINE FILE

Faculty	**MEDICINE**
Department	**MEDICAL-SURGICAL AND PROPHYLACTIC DISCIPLINES**
Field of study	**HEALTH**
Study cycle	**BACHELOR**
Study programme	**MEDICINE**

Discipline`s Name	**GYNECOLOGY**					
Didactic position, name and surname of the Discipline Coordinator	**Conf. Univ. Dr. Ovidiu Nicodin**					
Didactic position, name and surname for the Course Coordinator	**Conf. Univ. Dr. Ovidiu Nicotine**					
Didactic position, name and surname for the Coordinator of the Seminar / Laboratory / Clinical Traineeship	**Ș.L.dr. Milulescu Amelia** **Asst. Univ. Dr. Ioana Carpuș** **Asst. Univ. Dr. Panaite Bogdan-Paul**					
Discipline code	**MLE.6.11.3**	Formative category of the discipline			**SS**	
Year of study	**VI**	Semester*	**11**	Type of final evaluation (**E, V**)		**E11**
Discipline Regime (**M-m**andatory, **Op-op**tional, **F-f**acultative)				**O**	No. of credits	5

** If the subject has several semesters of study, one form must be completed for each semester.*

No. of Hours per week	**6**	Out of which are Course hours:	**2**	Seminar / Practical Activity / Clinical Stage	**4**
Total of hours in the curriculum	**84**	Out of which are Course hours:	**28**	Seminar / Practical Activity / Clinical Stage	**56**
		Total hours per semester	**125**	Total hours of individual study	**41**

Distribution of time pool per week	**Hours**
1. Study of the course material	3
2. Study according with the course support, manuals	4
3. Study of the minimal bibliography	5
4. Additional documentation in the library	5
5. Specific activity for the seminary or laboratory	3
6. Homeworks, translations, etc.	3
7. Preparing for different written exams	0

8. Preparing for oral examinations	4
9. Preparing for the final examination	5
10. Consultations	0
11. In the field documentation	0

12. Documentation from web sources, portals, wiki websites	5
13. Tutoring	4
14. Examinations	0
15. Other activities:	0

Course name	**GYNECOLOGY**
Specific professional competencies	Knowledge and understanding (knowledge and appropriate use of subject-specific concepts) ●General basic knowledge necessary for the practice of the medical profession ●Ability to evaluate and self-evaluate ●Basic knowledge necessary for the profession
Transversal competencies	Demonstrate a positive and responsible attitude towards the scientific field/ cultivate a scientific environment centred on cultural, moral and civic values/ make the best and creative use of one's own potential in scientific activities/ be involved in institutional development and in the promotion of scientific innovations/ engage in partnership relations with other people-institutions with similar responsibilities/ participate in one's own professional development ● interpersonal skills ● ability to work in a specialist or interdisciplinary team ●ability to behave ethically ●ability to design or participate in a clinical or other study nature
General objectives of the discipline	Knowledge of the main pathologies related to gynaecology, principles of prevention, diagnosis and treatment
Specific objectives of the discipline	Knowledge of the investigations necessary for the correct and complete diagnosis of a gynaecological disorders Knowledge of examination techniques for patients with gynaecological conditions Interpretation of clinical and paraclinical investigations Knowledge of methods of prevention of gynaecological pathology

Course Syllabus	**Hours**
1. Gametogenesis, embryogenesis, organogenesis	2
2. Pregnancy diagnosis. Maternal body changes in pregnancy. Pregnancy with increased obstetric risk	2
3. Spontaneous birth in cranial presence. Mechanism of labour induction. Mechanism of birth in different Presentations; Delivery. 4th period of birth. Haemorrhages at birth	2
4. Dystocic birth. Maternal obstetric trauma Premature birth. Prolonged pregnancy	2
5. Bleeding during pregnancy (first and second half of pregnancy)	2
6. Pregnancy-related diseases. Late dysgravida; Fetal distress. Pathology of fetal appendages, hydramnios, cord pathology. Resuscitation and intensive care of the newborn; Fetal distress. Pathology of fetal adnexa, hydramnios, cord pathology. Newborn resuscitation and intensive care	2
7. Fetal distress. Pathology of fetal appendages, hydramnios, cord pathology. Resuscitation and therapy intensive care in the newborn	2
8. Cardinal symptoms in gynaecology (pain, haemorrhage, leucorrhoea). Breast cancer	2
9. Menstrual disturbances by insufficiency. Menstrual disorders by excess	

10. Couple infertility. Notes on contraception and family planning	2
11. Inflammations of the genital tract. Pelvic inflammatory disease.	2
12. Benign tumoral pathology of the genital tract. Uterine fibroid. Endometriosis	2
13. Malignant tumour pathology of the female genital tract	2
14. Breast cancer	

Laboratory Syllabus	**Hours**
1. Pregnancy diagnosis. Pregnancy follow-up	4
2. Anamnesis and clinical examination of the pregnant woman, with case presentations	4
3. Haemorrhages in pregnancy, with case presentations	4
4. Early and late dysgravida, with case presentations	4
5. Premature birth and premature rupture of membranes, with case presentations Birth by operation caesarean section	4
6. Dystocic birth Maternal and fetal obstetric trauma	4
7. Fetal distress. Fetal death in utero Pregnancy-related diseases, with case presentations	4
8. Anamnesis, clinical examination and follow-up of the gynaecological patient, with case presentations	4
9. Patients with vaginal bleeding. Case presentations	4
10. Patients with benign gynaecological tumours; case presentations	4
11. Gynaecological inflammatory diseases; case presentations	4
12. Breast cancer; case presentations	4
13. Infertility; Case presentations	4
14. Patients with oncological diseases; Case presentations	4

Minimum References:

1. Essentials in Obstetrics, Ed. Amaltea, Prof. Dr. D Nanu, Prof. Dr. Bogdan Marinescu, 2019
2. Obstetrics-National Publishing, V. Ancar, 2018
3. Treatise on Obstetrics, Ed. Romanian Academy, Bucharest, 2000, Ioan Munteanu
4. Medical conditions associated with pregnancy, Ed. Infomedica,2002, Radu Vladareanu
5. Gynecology Treatise Ed. Romanian Academy under the editorship of Prof. Dr. Peltecu Gheorghe
6. Treatise on Gynaecology. Wiliams 2015-2016.
7. Internet: emedicine.com; obgyn.net; acog.org; medscape.com/home
8. Course material taught

Correlation of the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the health sector

The theoretical and practical content exposed in the course and practical work is supported by bibliography and constantly updated by consulting specialized journals and the specialized web domain and is consistent with the requirements of the teaching.
European so as to help further professional development and integration regardless of the field you will work in

How the information is transmitted	
Forms of activity	**Teaching methods used**
Course	Interactive face-to-face activity, PPT presentations, clinical case discussions
Laboratory	Clinical activity at the patient's bedside in the hospital and the consulting room, analysis and clinical case interpretations

Minimum standard of performance - minimum set of activities to be performed by the student in the practical work / clinical placement in order to be admitted to the practical examination - in the seminar / project in order to be admitted to the final examination.
Mandatory topics: pregnancy diagnosis; vaginal tact and valve examination; Leopold manoeuvres; determining the age of pregnancy; diagnosis of ectopic pregnancy; attitude in case of genital bleeding

Consideration points for computing the final score:	**Percentage share of scoring (Total = 100%)**
- exam/check answers (final assessment)	**40%**
- final answers to the practical laboratory work	**20%**
- regular testing through control papers / colloquia	**10%**
- continuous testing throughout the semester	**5%**
- activities such as homework / reports / essays / translations / projects etc.	**5%**
- other activities : practical work at internships and in guards.	**20%**

Describe the practical arrangements for the final assessment:

1. The written grid paper, corrected according to the system used for the residency exam
2. Practical examination: bedside examination followed by case presentation
3. Oral exam: questions from the topic studied for the exam

The exam will be conducted online or face-to-face depending on the evolution of the SARS-COV 2 coronavirus pandemic.

Minimal requirements for grade 5 (or how grade 5 is awarded)	**Requirements for grade 10 (or how grade 10 is awarded)**
• Passing the practical examination is a condition for admission to the final examination • Basic knowledge mandatory and necessary for the doctor generalist or other specialist	• Thorough and detailed knowledge and understanding of the material taught in the course and additional data from the bibliography • Formulating a correct diagnosis based on data provided by the patient's examination and complementary investigations, the ability to support this diagnosis by sound clinical reasoning and the establishment of appropriate therapeutic attitude.

Date of completion
17.09.2022

Discipline Coordinator,

Conf. Univ. Dr. Ovidiu Nicodin

Course Coordinator,

Prof. Dr. Ovidiu Nicodin

Department approval date
23.09.2022

Head of Department,

Conf. univ. Dan Ioan Ulmeanu

TITU MAIORESCU UNIVERSITY OF BUCHAREST
FACULTY OF MEDICINE
MEDICINE IN ENGLISH SPECIALISATION
ACADEMIC YEAR: 2022-2023

DISCIPLINE FILE

Faculty	**MEDICINE**
Department	**MEDICAL-SURGICAL AND PROPHYLACTIC DISCIPLINES**
Field of study	**HEALTHCARE**
Study cycle	**BACHELOR**
Study programme	**MEDICINE**

Discipline`s Name	**HEMATOLOGY**					
Didactic position, name and surname of the Discipline Coordinator	**Prof. univ. Alina Daniela Tanase**					
Didactic position, name and surname for the Course Coordinator	**Prof. univ. Alina Daniela Tanase**					
Didactic position, name and surname for the Coordinator of the Seminar / Laboratory / Clinical Traineeship	**Prof. univ. Alina Daniela Tanase** **Dr. Mihaela Andreescu**					
Discipline Code	**MLE.6.11.4**	Formative category of the discipline		**SS**		
Year of Study	**VI**	Semester	**11**	Type of the final evaluation (**E, V**)		**E11**
Discipline Regime (**M**-**m**andatory, **Op**-**op**tional, **F**-**f**acultative)			**O**	No. of credits		**4**

** If the subject has several semesters of study, one form must be completed for each semester.*

No. of Hours per week	**4**	Out of which are Course hours:	**2**	Seminar / Practical Activity / Clinical Stage	**2**
Total of hours in the curriculum	**56**	Out of which are Course hours:	**28**	Seminar / Practical Activity / Clinical Stage	**28**
		Total hours per semester	**100**	Total hours of individual study	**44**

Distribution of time pool per week	**Hours**
1. Study of the course material	3
2. Study according with the course support, manuals	8

3. Study of the minimal bibliography	5
4. Additional documentation in the library	4
5. Specific activity for the seminary or laboratory	8
6. Homeworks, translations, etc.	
7. Preparing for different written exams	5
8. Preparing for oral examinations	
9. Preparing for the final examination	10
10. Consultations	
11. In the field documentation	
12. Documentation from web sources, portals, wiki websites	1
13. Tutoring	
14. Examinations	
15. Other activities:	

Course name	**HEMATOLOGY**
Specific professional competencies	• Acquiring sound theoretical knowledge of malignant and nonmalignant haematological diseases • Knowledge of normal/pathological haematopoietic and blood cells; their roles and association with haematological diseases • Identify and differentiate important haematological diseases using laboratory tests • Interpretation of specific haematological tests • Knowledge of therapeutic principles in haematological malignant and non-malignant diseases
Transversal competencies	• An introduction to haematology is given, introducing specialist terms and concepts that will be used throughout the studies. • Professionalism is based on constant, up-to-date information and on knowledge of the basic elements and concepts, the morphology of blood cells being an important clue to the diagnosis of various medical specialities. • Knowledge of bone marrow morphology and conditions in which bone marrow aspiration/ bone marrow biopsy is mandatory for diagnosis
General objectives of the discipline	• Learning notions related to the figurative elements of blood and hematopoietic organs; knowledge of diagnostic and treatment criteria in the main malignant and nonmalignant hematological diseases.
Specific objectives of the discipline	• Knowledge of normal and pathological blood counts • Knowledge of the investigations necessary for the correct and complete diagnosis of a haemopathy • Acquiring elementary skills of recognition of cellular elements in a haemogram • To learn more about each major haematological disease in order to establish the diagnosis, prognosis and principles of treatment

Course Syllabus	**Hours**
1. Hematopoiesis - hematopoietic cell series	2
2. Microcytic hypochromic anemias - feriprive	2
3. Macromegaloblastic anemias	2
4. Congenital haemolytic anaemias/doubled haemolytic anaemias	2
5. Acute leukaemias	2
6. Chronic myeloproliferative diseases	2
7. Bone marrow failure syndromes; myelodysplastic syndromes; aplastic anaemia; transfusions	2
8. Lymphoproliferative sdr/ Chronic lymphatic leukaemia	2
9. Hodgkin's lymphoma/ Non-Hodgkin's malignant lymphomas	2
10. Multiple myeloma/other monoclonal malignanciesmultiplu /Alte gamapatii monoclonale maligne	2

11. Haemorrhagic syndromes of vascular cause (vasculopathies), and of thrombocytic cause (thrombopathies), thrombophilias	2
12. Haemorrhagic syndromes of plasma cause (hereditary and inherited coagulopathies)	2
13. Haematopoietic stem cell transplantation	2
14. Emergencies in haematology	2

Laboratory Syllabus	**Hours**
1. Anamneza, examenul clinic al pacientului hematologic, foaia de observatie- particularitati	2
2. Semnificatia diagnostica a hemoleucogramei, interpretare	2
3. Prezentari de cazuri clinice din patologia hematologica nonmaligna	2
4. Microscopie - seriile celulare medulare/celulele sangvine	2
5. Alte investigatii paraclinice cu semnificatie diagnostica in afectiuni hematologice	2
6. Probe de laborator diagnostice in coagulopatii, trombopatii	2
7. Algoritm de diagnostic al unei anemii	2
8. Metabolismul fierului; anemii hipocrome	2
9. Prezentari de cazuri clinice din patologia hematologica maligna	2
10. Leucemii acute, clasificare, algoritm de diagnostic, principii de tratament	2
11. Leucemii cronice, clasificare, algoritm de diagnostic, principii de tratament	2
12. Limfoame maligne, clasificare. Algoritm de diagnostic, principii de tratament	2
13. Metode de diagnostic specifice specialitatii - punctii, biopsii osoase - exemplificare	2
14. Metode terapeutice specifice - exemplificare practica (chimioterapie, terapie transfuzionala)	2

Minimum References:

1. Harrison's Principles of Medicine, fourteenth edition - Editura Teora, 2003
2. Lupu Anca Roxana - Clinical Hematology, "Carol Davila" University Publishing House, Bucharest 2004
3. Course for the students of the 5th and 6th year according to the analytical program in force: Basics of Clinical Hematology - single author - MAST Publishing House Bucharest 2003
4. Hematology in medical practice, "Carol Davila" University Publishing House, Bucharest 2005; Anca Roxana Lupu,
5. Hematology in pictures/ Delia Dima, Anca Bojan, Mariana Patiu, Ciprian Tomuleasa, Alina Tanase et al; Editura Scoala Ardeleana, Bucuresti, 2015, ISBN: 978-606-8770-69-7 Eikon Publishing House, 2015, ISBN: 978-606-711-374-7
6. Autologous stem cell transplantation in malignant hemopathies. Alina Tanase, Carmen Orban. Techno Media Publishing House, Sibiu, 2015,
7. Course support

Correlation of the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the health sector

1. The doctor's future practical activity is based not only on theoretical and practical knowledge, but also on manual dexterity, patience and great conscientiousness, which are acquired through specialist studies.
2. Knowledge of the morphology of the figurative elements of the blood, of specific haematological tests and of the symptoms and signs of haematological diseases provides the future doctor with the necessary knowledge related to the correct and complete diagnosis of a malignant or non-malignant haematological disease.

How the information is transmitted

Forms of activity	**Teaching methods used**
Course	Interactive learning; multimedia projection of course support
Laboratory	Specific clinical examination Microscopic examination of blood smear Interpretation of various laboratory tests in a clinical context Practical demonstration by the haematologist/teaching staff Students work under the supervision and assistance of the teacher

Minimal performance standards – the minimum level of activities that need to be fulfilled by the student during the practical works to be accepted to the final laboratory exam:
- know the basics of the morphology of the figurative elements of blood - have no more than 20% unexcused and unrecovered absences from practical work, - interpret laboratory tests in the context of haematological disease

Consideration points for computing the final score:	**Percentage share of scoring (Total = 100%)**
- Responses to the final exam	**50 %**
- Responses to the laboratory examination	**20 %**
- Periodic checks with written exams	**10 %**
- Continuous testing throught the semester	**20 %**
- Projects / Translations / Posters / Essays, etc.	**0 %**
- Other activities:	**0 %**

Description of the actual methods of examination – E

Written paper (descriptive and grid test)

The exam will be taken online or face-to-face depending on the evolution of the SARS-COV 2 coronavirus pandemic.

Minimal requirements for grade 5 (or how grade 5 is awarded)	**Requirements for grade 10 (or how grade 10 is awarded)**
• knowledge of the basics of malignant and nonmalignant haematological diseases	• in-depth knowledge of the concepts of diagnosis, prognosis and treatment of malignant and non-malignant haematological diseases

Date of completion
17.09.2022

Discipline Coordinator,
Prof. univ. dr. Alina Daniela Tanase

Course Coordinator,
Prof. univ. dr. Alina Daniela Tanase

Department approval date
23.09.2022

Head of Department,
Conf. univ. Dan Ioan Ulmeanu

TITU MAIORESCU UNIVERSITY OF BUCHAREST
FACULTY OF MEDICINE
MEDICINE IN ENGLISH SPECIALISATION
ACADEMIC YEAR: 2022-2023

DISCIPLINE FILE

Faculty	**MEDICINE**
Department	**MEDICAL-SURGICAL AND PROPHYLACTIC DISCIPLINES**
Field of study	**HEALTHCARE**
Study cycle	**BACHELOR**
Study programme	**MEDICINE**

Discipline`s Name	**FAMILY MEDICINE AND PRIMARY HEALTH CARE**					
Didactic position, name and surname of the Discipline Coordinator	**CONF.UNIV. DR. GHINESCU MINERVA**					
Didactic position, name and surname for the Course Coordinator	**CONF.UNIV. DR. GHINESCU MINERVA**					
Didactic position, name and surname for the Coordinator of the Seminar / Laboratory / Clinical Traineeship	**CONF.UNIV. DR. GHINESCU MINERVA AS. UNIV. DR. IGNAT IULIANA**					
Discipline code	**MLE.6.11.5**	Formative category of the discipline			**SS**	
Year of study	**VI**	Semester*	**11**	Type of final evaluation (**E, V**)		**E11**
Discipline Regime (**M**-**m**andatory, **Op**-**op**tional, **F**-**f**acultative)				**O**	No. of credits	**6**

** If the subject has several semesters of study, one form must be completed for each semester.*

No. of Hours per week	**6**	Out of which are Course hours:	**2**	Seminar / Practical Activity / Clinical Stage	**4**
Total of hours in the curriculum	**84**	Out of which are Course hours:	**28**	Seminar / Practical Activity / Clinical Stage	**56**
		Total hours per semester	**150**	Total hours of individual study	**66**
Distribution of time pool per week					**Hours**

1. Study of the course material	5
2. Study according with the course support, manuals	5
3. Study of the minimal bibliography	8
4. Additional documentation in the library	5
5. Specific activity for the seminary or laboratory	6
6. Homeworks, translations, etc.	8
7. Preparing for different written exams	5
8. Preparing for oral examinations	2
9. Preparing for the final examination	6
10. Consultations	4
11. In the field documentation	2
12. Documentation from web sources, portals, wiki websites	2
13. Tutoring	4
14. Examinations	4
15. Other activities:	0

Course name	**FAMILY MEDICINE AND PRIMARY HEALTH CARE**
Specific professional competencies	• Acquiring theoretical and practical knowledge on the specifics of family medicine, current legislation on primary health care, indicators of the health status of a community, primary health care of non-communicable and communicable diseases, health promotion strategies, management of family medicine practice, home health care. • Acquiring the necessary skills for consultation in family medicine • Acquiring the skills of multidisciplinary team work in a family medicine practice
Transversal competencies	• An introduction to family medicine is made, by presenting some specialized terms and notions that will be used throughout the practical medical activity. • Knowledge of activities and services specific to the social health insurance system based on : • Ability to analyse and synthesise • Organisational capacity • Ability to understand • Evaluation and self-assessment skills • Ability to work in a team • Ability to behave ethically and ethically
General objectives of the discipline	• Knowledge and acquisition of competences and skills necessary to practice the specific principles o f primary health care - family medicine
Specific objectives of the discipline	• Instilling theoretical and practical knowledge on the specifics of family medicine, current legislation on primary health care, indicators of the health status of a community, • Acquiring competencies and skills necessary for the provision of health care services in primary health care for non-communicable and communicable diseases, health promotion strategies, family practice management, home health care • Acquiring the necessary skills for consultation in family medicine • Acquiring the skills of multidisciplinary team work in a family medicine practice

Course Syllabus	Hours
1. Family medicine - primary health care: general context, European context, principles, particularities	2
2. Family and community health surveillance; indicators of individual and community health (physical, mental, social and community health); indicators of individual and community health (physical, mental, social and community health); indicators of individual and community health (physical, mental, social and community health); indicators of individual and community health (physical, mental, social and community health); indicators of individual and community health (physical, mental, social and community health); indicators of individual and community health family, special health problems and family pathology	2
3. Preventive activity in family medicine; Immunoprophylaxis in the practice of the family doctor; Epidemiological investigation	2
4. Prevention, control and management of chronic diseases in family medicine - the check-ups	2
5. Infant and young child growth and development in family medicine practice	2
6.Primary health care for pregnant women - prenatal consultation	2
7. Promoting breastfeeding and correct feeding by age group of infant and young child	2
8. Primary health care protocols for infants and young children: iron deficiency anaemia and rickets	2
9. Primary health care and management of chronic diseases in family medicine practice I (HTA , dyslipidemia, ischemic heart disease)	2
10. Primary health care and management of chronic diseases in family medicine practice II (Diabetes mellitus)	2
11. Primary health care and management of chronic diseases in family practice II (COPD)	2
12. Primary health care and management of chronic diseases in family medicine practice II (Chronic kidney disease)	2
13. Family planning in primary health care	2
14. Integrated approach to the patient in the medico-social context in the practice of family medicine (patient's rights, rights of the mental patient, child's rights, violence in the family).	2
Laboratory content - Analytical programme	No. hours
1. Principles of health communication and counselling	3
2. Family medicine practice management: framework contract	4
3. Consultation in family medicine practice: principles, characteristics, objectives	5
4. Consultation at home	4
5. Medical care of the terminally ill patient and his/her family	4
6. Growth and development of the infant and young child: growth and development colour, assessment examples	3

7. Prenatal consultation in the family doctor's office; follow-up of the pregnant woman	3
8. Principles of treatment in family medicine	3
9. Control and monitoring of chronic diseases in family medicine (DZ type II)	5
10. Control and monitoring of chronic diseases in family medicine (hypertension, dyslipidemia, ischemic heart disease)	5
11. Control and monitoring of chronic diseases in family medicine (Heart failure)	4
12. Control and monitoring of chronic diseases in family medicine (Chronic kidney disease)	6
13. Control and monitoring of chronic diseases in family medicine (Dementia and oncological diseases))	3
14. Health education and screening principles in family medicine	4

Minimum References:

1. Leslie A. Shimp, Mindy A. Smith, Srina Schrager. Lange. Family Medicine - Manual of Outpatient Treatment and Prophylaxis. ALL Publishing House, Bucharest, 2019.
2. M. Ghinescu. Family Medicine - Principles of integrated practice in community medicine Renaissance Publishing House Bucharest 2009
3. Florentina Bealcu, Minerva Claudia Ghinescu. Concepts and techniques in general nursing. Etna Publishing House, 2020,
4. C. Bogdan, A. Capisizu, C. Stoianovici: Elemente de nursing geriatric Editura Tipografia de carta Bucuresti 2012
5. C. Moga, A. Marcu, D.G. Minca: Intra- and inter-organizational communication Institute of Public Health 2004
6. Law 46/2006 Patients' Rights Act
7. Law no.17/2001-Social assistance for the elderly
8. G. Goldis: Medical Ethics in Paediatric Practice Aeus Publishing 2006
9. Scripcaru and collaborators: Compendium Residentiat 2016;

Course material taught

Correlation of the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the health sector
1. The doctor's future practice is based not only on theoretical and practical knowledge, but also on skills and competence, patience and special conscientiousness, acquired through study and practice in specialist practices 2. Case studies and case presentations, practical demonstrations give professionalism and responsibility in future jobs

How the information is transmitted	
Forms of activity	**Teaching methods used**
Course	Interactive programmed learning; multimedia projection of course material. PowerPoint presentation and drawings on magnetic board and flipchart Interactive discussions on clinical cases
Laboratory	Presentation of methodological elements, group discussion, group exercise, case analysis, demonstrations, dose calculations, diagnostic and treatment algorithms, case presentations, documentation visits, project

Minimum performance standard - minimum set of activities that must be performed by the student in the practical work in order to be admitted to the practical examination	
1. 20 adult consultations 2. 15 consultations children 3. 5 pregnant consultations 4. 2 field visits (home) 5. 10 adult/child check-ups monitoring 20 patients with dispensable diseases (DZ, HTA, CHF, oncological diseases, etc.)	
Consideration points for computing the final score:	**Percentage share of scoring (Total = 100%)**
- exam/check answers (final assessment)	**40 %**
- final answers to the practical laboratory work	**30 %**
- regular testing through control papers / colloquia	**10 %**
- continuous testing throughout the semester	**10 %**
- activities such as homework / reports / essays / translations / projects etc.	**10 %**
- other activities	**0 %**
Describe the practical arrangements for the final evaluation, E: written work - grid test 100 topics **Practical exam**: case presentation, dose calculation, demonstration, completion, specific forms The exam will be taken online or face-to-face depending on the evolution of the SARS-COV 2 coronavirus pandemic.	
Minimal requirements for grade 5 (or how grade 5 is awarded)	**Requirements for grade 10** (or how grade 10 is awarded)
• knowledge of the basics of PRIMARY HEALTH CARE (AT LEAST 40 CORRECT ANSWERS TO THE GRID TEST in 100 questions)	• thorough knowledge of the concepts of PRIMARY HEALTH CARE (AT LEAST 90 CORRECT ANSWERS TO THE GRID TEST out of 100 questions)

Date of completion
17.09.2022

Discipline Coordinator,
Prof.Dr.GHINESCU MINERVA

Head of Department,,
Prof.Dr.ULMEANU DAN

Course Coordinator,,
Prof.Dr.GHINESCU MINERVA

Department approval date
23.09.2022

TITU MAIORESCU UNIVERSITY OF BUCHAREST
FACULTY OF MEDICINE
MEDICINE IN ENGLISH SPECIALISATION
ACADEMIC YEAR: 2022-2023

DISCIPLINE FILE

Faculty	**MEDICINE**
Department	**MEDICAL-SURGICAL AND PROPHYLACTIC DISCIPLINES**
Field of study	**HEALTHCARE**
Study cycle	**BACHELOR**
Study programme	**MEDICINE**

Discipline`s Name	**FORENSIC MEDICINE**					
Didactic position, name and surname of the Discipline Coordinator	**UNIV. READER DR. DUCK HORIA - MIHAI**					
Didactic position, name and surname for the Course Coordinator	**UNIV. READER DR. DUCK HORIA - MIHAI**					
Didactic position, name and surname for the Coordinator of the Seminar / Laboratory / Clinical Traineeship	**UNIV. READER DR. DUCK HORIA - MIHAI**					
Discipline code	**MLE.6.1 1.6**	Formative category of the discipline		**SS**		
Year of study	**VI**	Semester*	11	Type of final evaluation (**E, V**)		**E11**
Discipline Regime (**M-m**andatory, **Op-op**tional, **F-f**acultative)				**O**	No. of credits	4

** If the subject has several semesters of study, one form must be completed for each semester.*

No. of Hours per week	**4**	Out of which are Course hours:	**2**	Seminar / Practical Activity / Clinical Stage	**2**
Total of hours in the curriculum	**56**	Out of which are Course hours:	**28**	Seminar / Practical Activity / Clinical Stage	**28**
		Total hours per semester	**100**	Total hours of individual study	**44**

Distribution of time pool per week	**Hours**
1. Study of the course material	6
2. Study according with the course support, manuals	4
3. Study of the minimal bibliography	3
4. Additional documentation in the library	8

5. Specific activity for the seminary or laboratory	-
6. Homeworks, translations, etc.	2
7. Preparing for different written exams	2
8. Preparing for oral examinations	1
9. Preparing for the final examination	6
10. Consultations	1
11. In the field documentation	-
12. Documentation from web sources, portals, wiki websites	7
13. Tutoring	2
14. Examinations	2
15. Other activities:	-

Course name	**FORENSIC MEDICINE**
Specific professional competencies	• Correct legal framing and use of specific means and methods domain; • Use of Romanian legislation and international legal instruments to document and analyse specific situations.
Transversal competencies	• Collaboration with the competent bodies: Justice, Prosecutor's Office, Police. • Working in complex teams consisting of Prosecutor, Police and Forensic in solving cases provided for by criminal law; • Working with medical specialists to examine victims and determine the consequences of traumatic injuries; • Collaboration with psychiatrists in order to perform forensic psychiatric expertise to determine the mental capacity of the patients or to establish the discernment in case of committing antisocial acts; • Collaboration with the competent bodies of the Romanian College of Physicians in order to judge the disputes and the deontological and disciplinary misconduct of physicians.
General objectives of the discipline	• To develop the necessary knowledge to apply the principles and methodology of bio-medical sciences to the legal field
Specific objectives of the discipline	• To develop a minimum knowledge of the strategy, tactics and methodology of dealing with medico-legal cases in compliance with the regulations in force.

Course Syllabus	Hours
1. Forensic medicine: definition, concerns, relations with other branches of science and law, forensic medicine. Legal and methodological framework, value and limits. 1.1. Organisation of the forensic medicine network : tasks and duties. 1.2. Legal framework and methodology of forensic medical work; methodology of medical findings and expert opinions. legal, new expertise and opinions; methodology of drafting medico-legal documents. **Medico-legal thanatology: death, definition, classification, stages of death, cadaveric changes;** 1.3. Clinical diagnostic signs of death; 1.4. Stages of death, cadaveric changes (early and late) 1.5. Establishing the date of death and the importance of the issue for clarifying the investigation versions	2
2. Forensic trauma : traumatic agents and causation in violent deaths. Mechanical and forensic traumatology. 2.1. Classification of traumatic agents . General mechanical traumatology : classification of traumatic agents, primary (elementary) traumatic injuries. 2.2. Vital reactions and their importance for forensic and judicial practice. General post-traumatic reactions of the body - traumatic shock and haemorrhagic shock. Causality relationship. Tanatogenic mechanisms. 2.3. Notions on systemic and topographic traumatology; lesional particularities depending on the affected area - cranio-cerebral trauma, traumatic injuries of the neck, maxillo-facial, vertebro- medullary, thoraco-abdominal and limb trauma; their legal framework. 2.4. Assessment of the severity of traumatic injuries in accordance with the provisions of the penal code.	2

3. Medical expertise forensic expertise in firearm death: ballistics, study of injuries and problems of expertise. 3.1. Projectile effects on the human body. 3.2. Inlet study. 3.3. Channel study. 3.4. Exit hole study. 3.5. Forensic examination of firearm injuries.	2
Course content - Analytical programme	No. Hours
4. Forensic expertise in deaths by mechanical asphyxia. 4.1. Classification of asphyxia, tanatogenesis, general signs of asphyxia. 4.2. Mechanical asphyxia by compression: hanging, strangulation, strangulation, thoraco-abdominal compression. 4.3. Mechanical asphyxia by obstruction of the airways: suffocation. 4.4. Mechanical asphyxia caused by airway obstruction: drowning.	2
5. Forensic expertise in deaths by physical and biological agents. 5.1. Injuries and death due to the action of high temperatures: burns, hypercaloric shock, medical problems - of the charred bodies. 5.2. Injury and death due to low temperatures. 5.3. Injury and death by electrocution.	2
6. Forensic toxicology. 6.1. Toxic. Toxicity. Classification of toxins. 6.2. Acute ethyl alcohol poisoning. 6.3. Carbon monoxide poisoning. 6.4 Drug and pesticide intoxications. 6.5.Problems of forensic expertise in poisoning.	2
7. Pregnancy and medico-legal problems of pregnancy, birth and abortion. Forensic expertise in sexual offences. 7.1. Pruncucide: definition, legislation, problems to be solved in forensic expertise. 7.2. Medico-legal issues of pregnancy. 7.3. Medico-legal problems of childbirth. 7.4. Forensic expertise in rape.	2
8. Obstetrics - gynaecology medico-legal issues. Forensic sexology. 8.1. Medico-legal issues of pregnancy; 8.2. Medico-legal problems of childbirth; 8.3. forensic expertise in the rape case.	2
9. Forensic expertise of parentage. Simulation and dissimulation. 9.1. Mendel's Laws; 9.2. Systems used in parentage identification; 9.3. forensic expertise in cases of simulation and concealment.	2
10. Forensic psychiatric expertise. 10.1. Legislation. Mandatory expert opinion. Training of the necessary skills for specific activities of forensic investigation of different types of forensic psychiatric crimes according to the law. 10.2. Methodology of forensic psychiatric expertise, organizational framework, constituent parts of the report. 10.3. The main psychiatric disorders encountered in the practice of this expertise, the legal regime in alcoholism.	2
11. Elements of medical ethics and professional liability. 11.1. Medical fault; 11.2. Medical malpractice.	2
12. Forensic genetics. 12.1. Molecular structure of nuclear DNA; 12.2. Organization of nuclear DNA ; 12.3. DNA analysis techniques in forensic practice; 12.4. Genetic investigations in mass casualty disasters.	2
13. Forensic identification. 13.1. Forensic identification: definition, classification; 13.2. Odontostomatology; 13.3. Fingerprint identification; 13.4. Photo identification.	2

14. Forensic Entomology. 14.1. Definition; 14.2. Classification of arthropods; 14.3. Post-mortem interval and ADH calculation (AccumulatedDegreeHours)	2
Laboratory Syllabus	**Hours**
1. Medico-legal thanatology: death, definition, classification, stages of death, cadaveric changes; Forensic medicine: definition, concerns, relations with other branches of science and law, forensic medicine. Legal and methodological framework, value and limits.	**2**
2. Forensic trauma : traumatic agents and causation in violent deaths. Mechanical and forensic traumatology.	**2**
3. Forensic expertise in death by firearms: ballistics, study of injuries and problems of expertise.	**2**
4. Forensic expertise in deaths by mechanical asphyxia.	**2**
5. Forensic expertise in deaths by physical and biological agents.	**2**
6. Pregnancy and medico-legal problems of pregnancy, birth and abortion. Forensic expertise in sexual offences.	**2**
7. Obstetrics - gynaecology medico-legal issues. Forensic sexology.	**2**
8. Forensic psychiatric expertise.	**2**
9. Forensic expertise of parentage. Simulation and dissimulation.	**2**
10. Elements of medical ethics and professional liability.	**2**
Forensic genetics.	**2**
12. Forensic identification.	**2**
13. Forensic Entomology.	**2**
14. Forensic toxicology.	**2**

Minimum References:

1. Legislation:
- O.G. 1 / 2000
- Criminal Procedure Code of Romania.
- Law 459/2001 and O.G. 57/2001.
2. Treatises, courses, monographs:
– V. Belis - Forensic Medicine, Legal Publishing House, 2013
– Forensic Medicine - Judicial Practice, 5th edition, Vladimir Beliș, Legal Publishing House, Bucharest 2005.
– General notions of forensic medicine, university course, Dr. Rață Horia, Estfalia Publishing House, Bucharest 2012.
– General Notions of Forensic Medicine, 2nd edition, added and revised, Dr. Rață Horia, Estfalia Publishing House, Bucharest 2013.
- V. Iftenie, D. Dermengiu. Forensic Medicine. University Course - 3rd Edition. C.H. Beck Publishing House, Bucharest, 2019.
3. Course material taught

Correlation of the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the health sector

- Knowledge of medical and medico-legal legislation in Romania in order to draw up the correct medical documents, which will have a medico-legal content in case of medical deficiencies;
- Introduction to some basic notions of the relationship between medicine and criminal law, civil law, family law, labour law and administrative law.
- Instilling basic notions of deontology and ethics in medical practice

How the information is transmitted	
Forms of activity	**Teaching methods used**
Course	Interactive course presented to students. The course will be conducted through a PPT presentation accompanied by information/drawings on flip-chart and magnetic board;
Laboratory / clinical internship / seminar	Presentations and discussions based on the video material presented Activity in the prosecution department Analysis of emergency room cases

Minimal performance standards – the minimum level of activities that need to be fulfilled by the student during the practical works to be accepted to the final laboratory exam:	
• -Knowledge of the forensic and criminal legislation in force; -Identify and assess the severity of traumatic injuries of victims. At least 75% participation in course and seminar activities.	
Consideration points for computing the final score:	**Percentage share of scoring (Total = 100%)**
- exam/check answers (final assessment)	**50%**
- regular testing through control papers / colloquia	**20%**
- continuous testing throughout the semester	**20%**
- activities such as homework / reports / essays / translations / projects etc.	**10%**
Describe the practical arrangements for the final assessment, Written examination in the form of a grid test The exam will be conducted online or face-to-face depending on the evolution of the SARS-COV 2 coronavirus pandemic.	
Minimal requirements for grade 5 (or how grade 5 is awarded)	**Requirements for grade 10 (or how grade 10 is awarded)**
• Answer at least ½ of the grids correctly	• Answer all grids correctly

Date of completion
17.09.2022

Discipline Coordinator,
Lecturer Dr. Rață Horia - Mihai

Head of Department,
Prof. Dan Ioan Ulmeanu

Course Coordinator,,
Lecturer Dr. Rață Horia - Mihai

Department approval date
23.09.2022

TITU MAIORESCU UNIVERSITY OF BUCHAREST
FACULTY OF MEDICINE
MEDICINE IN ENGLISH SPECIALISATION
ACADEMIC YEAR: 2022-2023

DISCIPLINE FILE

Faculty	**MEDICINE**
Department	**MEDICAL-SURGICAL AND PROPHYLACTIC DISCIPLINES**
Field of study	**HEALTHCARE**
Study cycle	**BACHELOR**
Study programme	**MEDICINE**

Discipline`s Name	**NEONATOLOGY**					
Didactic position, name and surname of the Discipline Coordinator	**Conf. Univ Dr. Adrian Toma**					
Didactic position, name and surname for the Course Coordinator	**Conf Dr. Adrian Toma**					
Didactic position, name and surname for the Coordinator of the Seminar / Laboratory / Clinical Traineeship	**Conf. Dr Adrian Toma**					
Discipline code	**MLE. 6.12.7**	Formative category of the discipline			**SS**	
Year of study	**VI**	Semester*	**12**	Type of final evaluation (**E, V**)		**E12**
Discipline Regime (**M**-**m**andatory, **Op**-**op**tional, **F**-**f**acultative)			**O**	No. of credits		**2**

** If the subject has several semesters of study, one form must be completed for each semester.*

Number of hours per week	**3**	of which class hours:	**2**	Seminar / Practical Activity/ Clinical stage	**1**
Total curriculum hours	**42**	of which class hours:	**28**	Seminar / Practical Activity/ Clinical stage	**14**
		Total hours per semester	**50**	Total hours of individual study	**8**

Distribution of time pool per week	**Hours**
1. Study of the course material	1
2. Study according with the course support, manuals	1
3. Study of the minimal bibliography	1

4. Additional documentation in the library	0
5. Specific activity for the seminary or laboratory	1
6. Homeworks, translations, etc.	0
7. Preparing for different written exams	1
8. Preparing for oral examinations	1
9. Preparing for the final examination	1
10. Consultations	1
11. In the field documentation	-
12. Documentation from web sources, portals, wiki websites	-
13. Tutoring	0

14. Examinations	0
15. Other activities:	-

Course name	**NEONATOLOGY**
Specific professional competencies	• Anamnesis in neonatology • Clinical examination of the newborn • Making a diagnosis . differential diagnosis • Establishing therapeutic conduct • Medical follow-up • The possibility to evaluate information from a scholarly article and assess the relevance, validity and reliability of that study; • To develop the ability to search for scientific information, both by classical methods and using computer-based ways of searching for data.
Transversal competencies	• Acquiring communication skills, both with relatives (mother, father, etc.) and with the paediatric patient. • Identifying role and responsibility in a multidisciplinary team • Efficient use of information sources, communication and training resources, both in Romanian and in an international language, in order to prepare and present a professional paper • Carrying out projects, under coordination, to solve specific problems in the field of paediatrics, with the correct assessment of the workload, available resources, time required for completion and risks, under the conditions of application of the rules of ethics and professional ethics in the field, as well as safety and security. occupational health.
General objectives of the discipline	• Presentation of issues related to neonatal pathology and adaptation to extra-uterine life
Specific objectives of the discipline	• The students' knowledge of how to carry out a neonatal history, clinical examination of the newborn, diagnosis, therapeutic management, medical follow-up, as well as the possibility to evaluate the information in a specialized article and to assess the relevance, validity and reliability of the study; the lack of scientific information search skills, both by classical methods as well as by using computerised ways of searching data.

Course Syllabus	Hours
1. Newborn - general data	2
Neonatal resuscitation	2
3. Post-resuscitation Stabilization - Blood Glucose Maintenance and Safety of Patient Care	2
4. Post-resuscitation stabilization - Airway management - notions of respiratory distress	2
5. Post-resuscitation stabilization - Blood pressure management - Neonatal shock	2
6. Post-resuscitation stabilisation - Laboratory tests/infection risk	2
7. Emotional support for the family	2
8. Quality management in neonatal care	2
9. Clinical specimen of the newborn	2
10. Caring for the normal newborn	2
11. Basics of care for premature infants	2
12. Basics of newborn neurology - neonatal seizures	2
13. Basics of newborn neurology - birth asphyxia	2
14. Basics of newborn neurology - cerebral haemorrhage	2
Laboratory Syllabus	**Hours**
1. Observation sheet in neonatology	**2**
2. Natural food, breastfeeding promotion	**2**
3. The normal newborn	**2**
4. Neonatal jaundice	**2**
5. Respiratory distress in the newborn	**2**
6. Neonatal resuscitation - practice on manikin	**2**
7. Post-resuscitation stabilisation	**2**

Minimum References:

1. **Bose K(ed)**: Helping children survive. Essential care for every newborn. English edition, 2016.
2. **Karlsen K** : The S.T.A.B.L.E. Program. Learner's Manual. 5th edition. Irecson Publishing House, Bucharest, 2007.
3. **Kattwinkel J** (ed): Handbook of neonatal resuscitation. 7th edition in English. Bucharest, 2018
4. **Singhal N (ed):** Helping children to live. Essential care for low birth weight children.English edition. 2017
5. **Stoica V, Scripcariu V -** Compendium of medical and surgical specialties. Volumes I and II - for the national competition of Residentiat 2016, Ed Medicală, Bucharest, 2016.
6. **Toma Al** - Neurological Emergencies in the Newborn, Etna Publishing House, Bucharest, 2013
7. Course material taught

Correlation of the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the health sector
The thematic content of the discipline is topical and is correlated with the needs of employers in the country and abroad, in the fields of health, health management, medical higher education, research.

How the information is transmitted: Oral presentations, imaging support, clinical case presentations, practical activity (patient examination), practical workshop on manikin/simulator	
Forms of activity	**Teaching methods used**
Course	Interactive presentations in oral and Power Point format
Laboratory	Clinical activity in the hospital in the Neonatology Department. Presentations of clinical cases, both by the teaching staff and by the student, carrying out the history, clinical examination, diagnostic and therapeutic plan, etc. Practical workshops on the resuscitation dummy. Working with the mask balloon and other devices used in resuscitation.

Minimal performance standards – the minimum level of activities that need to be fulfilled by the student during the practical works to be accepted to the final laboratory exam:
Anamnesis, clinical examination, diagnostic, therapeutic and follow-up plan

Consideration points for computing the final score:	**Percentage share of scoring (Total = 100%)**
- exam/check answers (final assessment)	**50 %**
- final answers to the practical laboratory work	**15 %**
- regular testing through control papers / colloquia	**10 %**
- continuous testing throughout the semester	**15 %**
- activities such as homework / reports / essays / translations / projects etc.	**10 %**
- other activities	**-**

Describe the practical arrangements for the final assessment, Exam:
oral examination with tickets, individual practical examination
The exam will be conducted online or face-to-face depending on the evolution of the SARS-COV 2 coronavirus pandemic.

Minimal requirements for grade 5 (or how grade 5 is awarded)	**Requirements for grade 10 (or how grade 10 is awarded)**
• taking periodic tests through LP papers with correct final answers and obtaining satisfactory scores during these tests during the semester • correct completion of some topics in the exam	• Correct completion of all requirements for the final exam • If applicable, the student who has participated in the activities such as reports receives 20% of the final grade.

Date of completion
17.09.2022

Discipline Coordinator,
Conf. Univ. Dr, Adrian Toma

Head of Department,
Conf. univ. Dr. Dan Ulmeanu

Course Coordinator,
Conf. Univ. Dr. Adrian Toma

Department approval date
23.09.2022

TITU MAIORESCU UNIVERSITY OF BUCHAREST
FACULTY OF MEDICINE
MEDICINE IN ENGLISH SPECIALISATION
ACADEMIC YEAR: 2022-2023

DISCIPLINE FILE

Faculty	**MEDICINE**
Department	**MEDICAL-SURGICAL AND PROPHYLACTIC DISCIPLINES**
Field of study	**HEALTHCARE**
Study cycle	**BACHELOR**
Study programme	**MEDICINE**

Discipline`s Name	**EMERGENCY MEDICINE**					
Didactic position, name and surname of the Discipline Coordinator	**Ș.L.dr. Toma Mihai**					
Didactic position, name and surname for the Course Coordinator	**Ș.L.dr. Toma Mihai**					
Didactic position, name and surname for the Coordinator of the Seminar / Laboratory / Clinical Traineeship	**Ș.L.dr. Toma Mihai** **Dr. Carmen Voicu** **Dr. Popa Alexandra**					
Discipline code	**MLE.6.12.8**	Formative category of the discipline		**SS**		
Year of study	**VI**	Semester*	**12**	Type of final evaluation (**E, V**)		**E12**
Discipline Regime (**M-m**andatory, **Op-op**tional, **F-f**acultative)		**O**	No. of credits	**4**		

** If the subject has several semesters of study, one form must be completed for each semester.*

No. of Hours per week	**4**	Out of which are Course hours:	**2**	Seminar / Practical Activity / Clinical Stage	**2**
Total of hours in the curriculum	**56**	Out of which are Course hours:	**28**	Seminar / Practical Activity / Clinical Stage	**28**
		Total hours per semester	**100**	Total hours of individual study	**44**

Distribution of time pool per week	**Hours**
1. Study of the course material	8
2. Study according with the course support, manuals	6
3. Study of the minimal bibliography	3
4. Additional documentation in the library	0
5. Specific activity for the seminary or laboratory	4
6. Homeworks, translations, etc.	4

7. Preparing for different written exams	4
8. Preparing for oral examinations	4
9. Preparing for the final examination	5
10. Consultations	0
11. In the field documentation	0
12. Documentation from web sources, portals, wiki websites	3
13. Tutoring	2
14. Examinations	1
15. Other activities:	0

Course name	**Emergency medicine**
Specific professional competencies	Description of the main medical and surgical emergencies. Understanding the specific modalities of intervention in ICU.
Transversal competencies	Demonstrate a concern for professional development by training critical thinking skills. Demonstrate involvement in scientific activities such as writing articles and specialist studies. Participate in scientific projects compatible with the requirements of integration into European education.
General objectives of the discipline	Assessment of vital functions and their changes. Main medical-surgical emergencies: causes, diagnosis, therapeutic measures.
Specific objectives of the discipline	Drawing up and implementing the medical emergency monitoring plan Learning specific ATI techniques: vascular access, oxygen therapy, vital functions monitoring.

Course Syllabus	**28 hours**
THEME 1. Cardiovascular emergency pathology - 1 • Cardiocirculatory arrest • Syncope and liposomes • Shock states • Acute myocardial infarction • Severe rhythm disorders	2h
THEME 2. Cardiovascular emergency pathology - 2 • Acute congestive heart failure • Acute pulmonary oedema of haemodynamic origin • Cardiac tamponade • Emergencies of patients with valvulopathies • Hypertensive emergencies • Aortic dissection	2h
THEME 3. Respiratory emergency pathology - 1 • Dyspnea • Acute respiratory failure • Airway obstruction	2h
THEME 4. Respiratory emergency pathology - 2 • Pneumothorax and haemothorax • Haemophilia	2h
THEME 5. Emergency neurological pathology • Convulsions • Comele • Strokes	2h
THEME 6. Emergency digestive pathology • HDS • Acute diarrhoea, acute digestive infections • Acute pancreatitis • Fulminant liver failure	2h
THEME 7. Acute metabolic pathology • Diabetic ketoacidotic coma • Hyperosmolar coma • Thyroid crisis, severe hyperthyroidism	2h

THEME 8. Circumstantial emergency pathology - 1 • Burns • Electrocutions • Drowning	2h
• Strangulation	
THEME 9. Circumstantial emergency pathology - 2 • Accidental hypothermia • Accidental hyperthermia and heat shock • Radiation accidents • Blast	2h
THEME 10. Toxicology • Main acute poisonings	2h
THEME 11. Traumatology - 1 • Traumatic brain injury • Spinal Trauma • Chest trauma	2h
THEME 12. Traumatology - 2 • Abdominal trauma • Trauma to the renal lochia • Limb trauma • Maxillofacial trauma	2h
THEME 13. Emergencies in obstetrics • Unannounced home birth • Premature birth • Haemorrhages in the 1st trimester • Severe haemorrhages in the 3rd trimester	2h
THEME 14. Emergencies in gynaecology • Septic abortion • Rape and sexual abuse	2h
Laboratory Syllabus	**28 hours**
1. Organisation of the extra- and intra-hospital emergency care system	2h
2. Traineeship in the dispatching of the emergency assistance station	2h
3. Emergency ambulance transport	2h
4. Traineeship in the emergency room	2h
5. Basic principles in critical emergency management. Team concept in emergency medicine	2h
6. Specific manoeuvres in emergency medicine	2h
7. Primary and secondary patient assessment	2h
8. Basic rules in the care of the polytrauma patient	2h
9. Emergency assistance in disasters	2h
10. Transfusion of blood and blood derivatives	2h
11. Care of the critically ill patient	2h
12. Tracking the progress and medication of ICU patients	2h
13. Drugs commonly used in emergency medicine	2h
14. Management of acute poisoning in the ICU	2h
Minimum References:	

1. G. Litarczek - Medical and Surgical Emergencies, 2013
2. Acalovschi, Iurie (under ed.); Cristea, Tudor; Constandache, Florin; Berteanu Cristina, Clinical Anesthesia, Editura Clusium, 2001.
3. Fulga, Ion, Pharmacology, Medical Publishing House, Bucharest, 2004.
4. Mihai Pricop ; Adrian Barbilian, Local anaesthesia in osteoarticular pathology of the limbs, Editura Militara București 2006
5. Emergency Medicine Practice - Coordinator Conf. Luciana Rotaru, Ed. Sitech, Craiova, 2015
6. Guidelines and Algorithms in Emergency Medicine - Editor Prof. Univ. (H) dr. Diana Carmen Preotu-Cimpoeșu, Ed. Gr T Popa, UMF Iași, 2019
7. Morgan, Edward G.Jr. et al, Clinical Anesthesiology, Third edition, Lange Medical Books/McGraw-Hill, 2002.
8. Course material taught

Correlation of the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the health sector

The content of the course and the practical work is in line with that taught in other university centres in the country and in abroad. Its adaptation to the information units (theoretical and theoretical) coming from the national and international scientific communities as well as from the major technical producers is done through a continuous updating of the didactic support.

How the information is transmitted	
Forms of activity	**Teaching methods used**
Course	Face-to-face interactive teaching activity, assisted by video projection on screen (Power Point presentations)
Laboratory	Clinical activity in the ward of the ICU, practicing on inpatients the methods of examination, presentation of clinical cases with emphasis on specific lesions and treatment methods, mastering patient surveillance techniques and the basic notions of surgical technique, teaching and explaining the notions in the practical work.

Minimal performance standards – the minimum level of activities that need to be fulfilled by the student during the practical works to be accepted to the final laboratory exam:

- Full make-up of clinical placement absences;
- Student attendance at all seminars.

Evaluation of the clinical stage :

- Clinical case presentation selected from the case histories available in the ICU Clinic
- Perform clinical manoeuvres consistent with the selected case
- Description of specific ICU medication

Consideration points for computing the final score:	**Percentage share of scoring (Total = 100%)**
- exam/check answers (final assessment)	**50%**
- final answers to the practical laboratory work	**20%**
- regular testing through control papers / colloquia	**10%**
- continuous testing throughout the semester	**10%**
- activities such as homework / reports / essays / translations / projects etc.	**10%**
- other activities	**-**

Describe the practical arrangements for the final evaluation, E

Written grid paper with questions from the taught courses, individual practical exam.

The exam will be conducted online or face-to-face depending on the evolution of the SARS-COV 2 coronavirus pandemic.

Minimal requirements for grade 5 (or how grade 5 is awarded)	**Requirements for grade 10 (or how grade 10 is awarded)**

• Correct answer to half of the grid questions in final written assessment • Partial presentation of the clinical case • Description of specific ICU medication • Correct performance of the manoeuvres involved in performing loco-regional anaesthesia	• Passing the clinical traineeship exam with a minimum grade of 9 • Correct answer to 90% of the questions in the evaluation final • Correct presentation of the clinical case, with full and correct differential diagnosis, treatment methods fully exemplified • Correct performance of the manoeuvres involved in to perform loco-regional anaesthesia.

Date of completion
17.09.2022

Head of Department,
CONF. UNIV. DR. DAN IOAN ULMEANU

Discipline Coordinator,
Ș.L. Dr. Toma Mihai

Course Coordinator
Ș.L. Dr. Toma Mihai

Department approval date
23.09.2022

TITU MAIORESCU UNIVERSITY OF BUCHAREST
FACULTY OF MEDICINE
MEDICINE IN ENGLISH SPECIALISATION
ACADEMIC YEAR: 2022-2023

DISCIPLINE FILE

Faculty	**MEDICINE**
Department	**MEDICAL-SURGICAL AND PROPHYLACTIC DISCIPLINES**
Field of study	**HEALTHCARE**
Study cycle	**BACHELOR**
Study programme	**MEDICINE**

Discipline`s Name	**CARDIOVASCULAR SURGERY**					
Didactic position, name and surname of the Discipline Coordinator	**Prof. Horațiu Moldovan**					
Didactic position, name and surname for the Course Coordinator	**Prof. Horațiu Moldovan**					
Didactic position, name and surname for the Coordinator of the Seminar / Laboratory / Clinical Traineeship	**Prof. Horațiu Moldovan**					
Discipline code	**MLE.6. 12.9**	Formative category of the discipline			**DS**	
Year of study	**VI**	Semester*	**12**	Type of final evaluation (**E, V**)		**E12**
Discipline Regime (**M**-**m**andatory, **Op**-**op**tional, **F**-**f**acultative)				**O**	No. of credits	**4**

** If the subject has several semesters of study, one form must be completed for each semester.*

No. of Hours per week	**4**	Out of which are Course hours:	**2**	Seminar / Practical Activity / Clinical Stage	**2**
Total of hours in the curriculum	**56**	Out of which are Course hours:	**28**	Seminar / Practical Activity / Clinical Stage	**28**
		Total hours per semester	**100**	Total hours of individual study	**44**

Distribution of time pool per week	**Hours**
1. Study of the course material	5
2. Study according with the course support, manuals	4
3. Study of the minimum bibliography indicated	5
4. Additional documentation in the library	5

3. Study of the minimal bibliography	5
4. Additional documentation in the library	
5. Specific activity for the seminary or laboratory	6
6. Homeworks, translations, etc.	
7. Preparing for different written exams	8
8. Preparing for oral examinations	
9. Preparing for the final examination	3
10. Consultations	3
11. In the field documentation	
14. Examinations	
15. Other activities:	

Course name	**CARDIOVASCULAR SURGERY**
Specific professional competencies	• Knowledge, understanding, explanation and interpretation - the teaching of some minimal notions of cardiovascular surgery in order to be able to support both clinically and paraclinically the main diagnoses of cardiovascular surgery pathology. • Knowledge of traumatology, the pathophysiological mechanisms of and their clinical consequences, and the introduction of notions that allow emergency interventions in trauma, in emergencies, in the cardiovascular surgery
Transversal competencies	• Concern for professional development by training critical thinking skills demonstrated through active participation in course and lab/seminar/project; • Involvement in scientific research activities through participation in the development of reports, studies, specialist articles; • Efficient use of information sources and communication and assisted training resources (Internet portals, specialised software applications, databases, on-line courses, etc.) both in Romanian and in a foreign language. international circulation;
General objectives of the discipline	• Understanding the fundamentals of cardiovascular surgery
Specific objectives of the discipline	• Knowledge and understanding of the most common pathologies in cardiovascular diseases • Explanation of clinical manifestations in cardiovascular diseases • Differentiation of the criteria for surgical staging of cardiovascular diseases • Understanding of surgical methods and principles of approach in cardiac surgery. vascular

Course Syllabus	Hours
1. Introduction, History of cardiovascular surgery.	2
2. Anatomy of the heart and great vessels.	2
3. Physiology of the heart and circulation	2
4. Mitral and tricuspid valve pathology	2
5. Aortic valve pathology	2
6. Coronary pathology	2
7. Pathology of the thoracic aorta - acute aortic dissection	2
8. Congenital pathology - patent ductus arteriosus	2
9. Congenital pathology - interatrial septal defect and interventricular septal defect	2
10. Congenital pathologies - Fallot's teralogy	2
11. Congenital pathology - Coarctation of the aorta	2
12. Pericardial pathology	2
13. Heart transplantation	2
14. Peripheral vascular pathology	2

Laboratory Syllabus	Hours
1. History and clinical examination of the cardiovascular patient	2
2. Assessment of the patient with mitral valve disease	2
3. Assessment of the patient with aortic valve disease	2
4. Coronary patient assessment	2
5. Assessment of the patient with aortic pathology	2
6. Assessment of the patient with congenital pathology	2
7. Mitral valve replacement/protection surgery, operative demonstration	2
8. Aortic placement/protection surgery, surgical demonstration	2
9. Ascending aorta replacement surgery	2
10. Percutaneous TAVI aortic valve implantation - practical demonstration	2
11. Percutaneous aortic stent graft implantation	2
12. By-pass aortobifemoral bypass - operative demonstration	2
13. By-pass femuropopliteal - operative demonstration	2
14. Carotid endarterectomy	2

Minimum References:

1. Cardiac Surgery in the Adult Fifth Edition 5th Edition by Lawrence H. Cohn, David H. Adams
2. Surgery for Congenital Heart Defects 3rd Editionby Jaroslav F. Stark (Editor), Marc R. de Leval (Editor), Victor T. Tsang (Editor), Michael Courtney (Illustrator)
3. Treatise on cardiovascular surgical pathology. Volumes I and II - Ion Socoteanu
4. Course material taught
5. Thoracic aortic aneurysms. Horatiu Moldovan, Alexandru Vasilescu, Viorel Pop. Libripress Publishing House Bucharest 2006
6. Cardiovascular Surgery - course for students. Dan Gherghiceanu, Horatiu Moldovan (under the editorship), Libripress Publishing House Bucharest 2005.
7. Treatise on Surgery. Vol VII Cardiovascular Surgery, Coordinator Radu Deac. Romanian Academy Publishing House Bucharest, 2009
8. Acute heart failure, Practical approach. Edited by: Cezar Macarie, Ovidiu Chioncel ERC Press, Bucharest 2008
9. Horatiu Moldovan. Carotid endarterectomy. A practical approach. Hamagiu Publishing House, Bucharest, 2020.
10. Horațiu Moldovan, Iulian Antoniac, Bogdan Radulescu, Daniela Gheorghiță. Medical techniques and devices in aortic valve surgery, PRINTECH Publishing House, Bucharest 2020
11. Horațiu Moldovan, Lucian Florin Dorobanțu, et al. Current Developments in Cardio-Vascular Surgery. Hamangiu Publishing House, Bucharest, 2020.

Correlation of the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the health sector
Knowledge and skills are established as teaching objectives and specified as such in annually revised analytical programmes... Throughout this process, the correspondence between content and the expectations of the academic community, community representatives, professional associations and employers is systematically evaluated, as far as possible directly. As a primary goal, the discipline aims to provide students with optimal prerequisites for successful employment, immediately after graduation, in residency programs in Romania and other EU countries.

How the information is transmitted	
Forms of activity	**Teaching methods used**
Course	• Oral lecture using structured Powerpoint presentations, interactive, accompanied by suggestive images • Face-to-face presentation
Laboratory / clinical internship / seminar	• Clinical internship at the bedside • Direct patient interaction • Practice of examination methods, presentation of clinical cases with emphasis on specific lesions and treatment methods, teaching of patient care techniques and basic therapeutic notions and principles of surgical procedures. Observation of surgeries transmitted live from the operating theatre via the integrated video system, daily recording of cases presented in the traineeship casebook.

Minimum standard of performance - the minimum set of activities to be performed by the student in the practical work/clinical placement in order to be admitted to the practical examination - in the seminar/project in order to be admitted to the final verification
• interpretation of biochemical and serological test results • interpretation of imaging test results • interpretation of angiography results
List all the activities/maneuvers/skills required for the student to acquire the level of minimum general and subject-specific competences
• general physical examination of the patient • cardiovascular patient observation sheet study • participation in case presentations • clinical traineeship in diagnostic laboratories, emergency rooms, etc.

Consideration points for computing the final score:	Percentage share of scoring (Total = 100%)
- exam/check answers (final assessment)	**50%**
- final answers to the practical laboratory work	**30%**
- regular testing through control papers / colloquia	**10%**
- continuous testing throughout the semester	**10%**
- activities such as homework / reports / essays / translations / projects etc.	**-**
- other activities	**-**

Describe the practical arrangements for the final evaluation

1. The written grid paper, corrected according to the system used for the residency exam
2. Practical examination: bedside examination followed by case presentation

The exam will be conducted online or face-to-face depending on the evolution of the SARS-COV 2 coronavirus pandemic.

Minimal requirements for grade 5 (or how grade 5 is awarded)	Requirements for grade 10 (or how grade 10 is awarded)
• Passing the practical examination is a condition for admission to the final examination • Basic knowledge required and necessary for the general practitioner or other specialist, such as: correct diagnosis of cardiovascular diseases	• Thorough and detailed knowledge and understanding of the material taught in the course and additional data from the bibliography • Formulate an accurate diagnosis based on the data provided by the patient's examination and complementary investigations, be able to support this diagnosis by sound clinical reasoning and establish appropriate therapeutic attitude

Date of completion
17.09.2022

Discipline Coordinator,
Prof. Horatiu Moldovan

Course Coordinator,
Prof. Horatiu Moldovan

Department approval date
23.09.2022

Head of Department,

Prof. Dan Ioan Ulmeanu

TITU MAIORESCU UNIVERSITY OF BUCHAREST
FACULTY OF MEDICINE
MEDICINE IN ENGLISH SPECIALISATION
ACADEMIC YEAR: 2022-2023

DISCIPLINE FILE

Faculty	**MEDICINE**
Department	**MEDICAL-SURGICAL AND PROPHYLACTIC DISCIPLINES**
Field of study	**HEALTHCARE**
Study cycle	**BACHELOR**
Study programme	**MEDICINE**

Discipline`s Name	**INFECTIOUS DISEASES**				
Didactic position, name and surname of the Discipline Coordinator	**Head of Works Dr. Bogdan Cîrciumaru**				
Didactic position, name and surname for the Course Coordinator	**Head of Works Dr. Bogdan Cîrciumaru**				
Didactic position, name and surname for the Coordinator of the Seminar / Laboratory / Clinical Traineeship	**Head of Works Dr. Bogdan Cîrciumaru Head of Works Dr. Ștefan Ion Head of works Dr. Simona Nicoleta Musat**				
Discipline code	**MLE.6.12.10**	Formative category of the discipline		**SS**	
Year of study	**VI**	Semester*	**12**	Type of final evaluation (**E, V**)	**E12**
Discipline Regime (**M**-**m**andatory, **Op**-**op**tional, **F**-**f**acultative)			**O**	No. of credits	**6**

** If the subject has several semesters of study, one form must be completed for each semester.*

No. of Hours per week	**6**	Out of which are Course hours:	**2**	Seminar / Practical Activity / Clinical Stage	**4**
Total of hours in the curriculum	**84**	Out of which are Course hours:	**28**	Seminar / Practical Activity / Clinical Stage	**56**

	Total hours per semester	**150**	Total hours of individual study	**66**

Distribution of time pool per week	**Hours**
1. Study of the course material	10
2. Study according with the course support, manuals	5
3. Study of the minimal bibliography	5
4. Additional documentation in the library	3
5. Specific activity for the seminary or laboratory	5
6. Homeworks, translations, etc.	3
7. Preparing for different written exams	6
8. Preparing for oral examinations	9
9. Preparing for the final examination	10
10. Consultations	5
11. In the field documentation	0
12. Documentation from web sources, portals, wiki websites	5
13. Tutoring	
14. Examinations	
15. Other activities:	0

Course name	**Infectious diseases**
Specific professional competencies	• Knowledge and appropriate use of concepts specific to the discipline of infectious diseases. • Use of general and particular methods for exploring different apparatus and systems. • Identification of main infectious diseases based on clinical, epidemiological criteria, paraclinical. • Correct assessment of the risk of disease and choice and application of measures appropriate prophylaxis. • Interpretation and analysis of risk factors in order to choose effective prevention/prophylaxis measures.
Transversal competencies	• Identifying roles and responsibilities in a team • multidisciplinary and the application of effective working and networking techniques within it. • Promote an environment centred on ethical, professional values and the desire for knowledge. Participating in activities that contribute to professional development (collaborating on scientific articles, case presentations, etc.). • Efficient use of supported training resources (e.g. training portals specialities, databases, online courses, etc).
General objectives of the discipline	• Knowledge of diagnostic and treatment methods in infectious diseases
Specific objectives of the discipline	• Learning about the epidemiological process, prevention and control of diseases infectious (with respiratory, digestive, cutaneous, etc. portal of entry). • Detailed knowledge and specific recommendation of necessary clinical and paraclinical investigation methods; interpretation and significance of specific investigation results • Correct prescribing of antibiotics, antifungals and antivirals

Course Syllabus	Hours
Topic 1.Current concept in infectious diseases (epidemiology important component of the study of infectious diseases), current dynamics of infectious diseases	1
Theme 2.Evolution of infections in the community: infection, infectious disease (communicable and non-communicable), tropical diseases, exotic diseases; reservoir of infection, source of infection, routes of transmission, susceptibility to infection. Outbreak of infection, epidemic, pandemic	1
Theme 3. Infectious diseases, biological weapons, bioterrorism	2
Theme 4. Main infectious agents (aetiology of infectious diseases; virulence, pathogenicity)	1
Theme 5.The organism's response to the presence of aetiological agents; ways of completing the infectious agent-human host relationship	2
Theme 6.Immunity (classification)	1
Theme 7.National vaccination programme	2
Theme 8.Antibiotics and chemotherapeutics, serums and vaccines, anti-inflammatory medication	1
Theme 9. Sepsis/sepsis, bacteraemia, acute bacterial endocarditis, infectious shock	1
Theme 10. Meningitis, encephalitis	2
Theme 11.Streptococcal infections: angina, scarlet fever, erysipelas. Necrotizing fasciitis	1
Theme 12. Measles. Measles vaccination	1
Topic 13. Chickenpox. Shingles. Uroller's infection	2
Topic 14. Diphtheria. Infectious mononucleosis	1
Topic 15. Whooping cough. Diphtheria, tetanus, pertussis vaccination	2
Theme 16.Acute diarrhoeal disease - etiology, pathogenesis, hydroelectrolytic rebalancing	1
Theme 17.Bacterial dysentery. Food poisoning. Botulism. Cholera. Typhoid and paratyphoid fevers.	2
Topic 18. Enteroviroasis. Poliomyelitis. Polio vaccination	1
Acute viral hepatitis (A, B, C, D, E). Vaccination against hepatitis B	1
Topic 20.Rabies. Rabies prophylaxis. Anthrax. Brucellosis. Leptospirosis. Rickettsiosis. Trichinellosis. Trichinellosis prophylaxis	1
Theme 21. HIV infection. National HIV/AIDS Programme	1
Laboratory Syllabus	**Hours**
1. Principles of examination and diagnosis of patients with infectious diseases	2
2. Etiological diagnosis in infectious diseases	2
3. Protective measures in infectious disease wards	2
4. Identification of aetiological agents	6
5. Diagnostic serological tests	6
6. Sensitivity/resistance of etiological agents to antibiotics and chemotherapeutics.	8
7. Imaging diagnosis in infectious diseases	8
8. Exploring immune function	8
9. Lumbar puncture: technique, laboratory	6
10. Clinical examination of patients with infectious diseases	8
11. Collection of biological and pathological materials for the diagnosis of infectious diseases	6
12. Case presentations and discussions	2
Minimum References:	

1. Treatise on Infectious Diseases. Emanoil Ceaușu. Medical Publishing House, Bucharest, 2018.
2. Infectious Diseases. Course for medical students and residents. Edited by Adrian Streinu-Cercel. Carol University Publishing House
   Davila Bucharest, 2019.
3. Infectious Diseases. Carmen Mihaela Dorobăț et al, Tehnopress Publishing House, Bucharest, 2011.
4. C. M. Dorobăț - "Infectious Diseases - Course for students and postgraduate courses", Tehnopress, 2011
5. D.L. Hezmann - "Manual of communicable disease management", ed. 19, Amaltea, 2012
6. Course material taught

How the information is transmitted	
Forms of activity	**Teaching methods used**
Course	Interactive face-to-face course, Lecture, slides etc, PPT presentation
Laboratory	Clinical internship in the infectious diseases department, case presentations, slides, clinical activity in hospital at the bedside

For the student to acquire the minimum level of general and subject-specific competences are required:

- general physical examination of the patient
- study of the observation sheet (interpretation of the fever curve, test results, method of administration of medicines etc)
- participation in case presentations
- clinical traineeship in diagnostic laboratories, emergency rooms, etc.

Consideration points for computing the final score:	**Weighting in scoring, expressed in percentage (Total = 100%)**
- exam/check answers (final assessment)	**50%**
- final answers to the practical laboratory work	**30%**
- regular testing through control papers / colloquia	**10%**
- continuous testing throughout the semester	**10%**
- activities such as homework / reports / essays / translations / projects etc.	**-**
- other activities	**-**

Describe the practical arrangements for the final evaluation

E/V descriptive written work

The exam will be conducted online or face-to-face depending on the evolution of the SARS-COV 2 coronavirus pandemic.

Minimal requirements for grade 5 (or how grade 5 is awarded)	**Requirements for grade 10 (or how grade 10 is awarded)**

• passing the knowledge test theory during the semester • mastering specialist terminology and using it appropriately in context • knowledge of diagnostic criteria for major infectious diseases	• knowledge and explanation of the main mechanisms pathogenicity of infectious diseases • explaining and interpreting the theoretical and practical content of the discipline of infectious diseases in an approach • knowledge of the principles of antibiotic treatment

Correlation of the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the health sector

Infectious diseases continue to contribute to overall mortality and morbidity. The rapid evolution of micro-organisms and development of resistance to antimicrobial repersents a challenge for infectious disease physician accuracy of decision in infectious diseases influences the current and future health status of the whole community

interdisciplinary with other specialties: internal medicine, paediatrics, epidemiology, microbiology, virology, parasitology, immunology, imaging, pharmacology

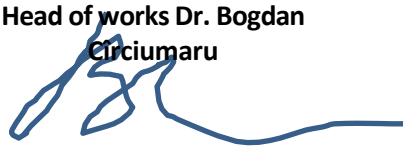
Minimum performance standard - minimum set of activities to be performed by the student:

- interpretation of biochemical and serological test results
- interpretation of imaging test results
- interpretation of lumbar puncture results
- explanation of antibiogram results and choice of antibiotics

Date of completion
17.09.2022

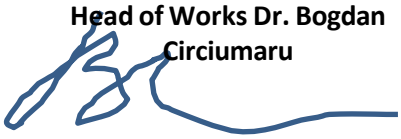
Discipline Coordinator,

Head of works Dr. Bogdan Circiumaru



Course Coordinator,

Head of Works Dr. Bogdan Circiumaru



Department approval date
23.09.2022

Head of Department,
Conf. Dr. Dan Ioan Ulmeanu

TITU MAIORESCU UNIVERSITY OF BUCHAREST
FACULTY OF MEDICINE
MEDICINE IN ENGLISH SPECIALISATION
ACADEMIC YEAR: 2022-2023

DISCIPLINE FILE

Faculty	**MEDICINE**
Department	**MEDICAL-SURGICAL AND PROPHYLACTIC DISCIPLINES**
Field of study	**HEALTHCARE**
Study cycle	**BACHELOR**
Study programme	**MEDICINE**

Discipline`s Name	**OBSTETRICS**					
Didactic position, name and surname of the Discipline Coordinator	**Head of Works Dr. AL Jashi Isam**					
Didactic position, name and surname for the Course Coordinator	**Head of Works Dr. AL Jashi Isam**					
Didactic position, name and surname for the Coordinator of the Seminar / Laboratory / Clinical Traineeship	**Head of Works Dr. AL Jashi Isam** **Head of works Dr. Amelia Milulescu** **Asst. Univ. Dr.Ioana Carpus**					
Discipline code	**MLE.6.12.11**	Formative category of the discipline		**SS**		
Year of study	**VI**	Semester*	**12**	Type of final evaluation (**E, V**)		**E12**
Discipline Regime (**M**-**m**andatory, **Op**-**op**tional, **F**-**f**acultative)				O	No. of credits	4

** If the subject has several semesters of study, one form must be completed for each semester.*

No. of Hours per week	5	Out of which are Course hours:	2	Seminar / Practical Activity / Clinical Stage	3
Total of hours in the curriculum	70	Out of which are Course hours:	28	Seminar / Practical Activity / Clinical Stage	42
		Total hours per semester	100	Total hours of individual study	30

Distribution of time pool per week	**Hours**
1. Study of the course material	3
2. Study according with the course support, manuals	3
3. Study of the minimal bibliography	3
4. Additional documentation in the library	1
5. Specific activity for the seminary or laboratory	3
6. Homeworks, translations, etc.	0
7. Preparing for different written exams	5
8. Prepararing for oral examinations	4
9. Preparing for the final examination	6
10. Consultations	0
11. In the field documentation	0

12. Documentation from web sources, portals, wiki websites	1

13. Tutoring	1
14. Ecaminations	0
15. Other activities: ...	0

Course name	**OBSTETRICS**
Specific professional competencies	The curriculum has been developed to create a comprehensive learning experience in a well-structured and professionally challenging program. It will be delivered in a modular framework with clear objectives and targets for each subject. Each subject is presented in the same format detailing knowledge criteria, skills acquired, professional skills and attitudes, learning methodology and training support, and assessment criteria for evidence and evidence.
Transversal competencies	Identifying and implementing sustainable interventions to improve the quality of maternal care is a challenge. Maternal and perinatal mortality rates are stagnating at an unacceptably high level. Improving the responsiveness of students and future doctors to obstetric and neonatal care is seen as an important potential contribution to reducing them. High quality care in maternity services involves providing a minimum level of care to all pregnant women and their newborns and a higher level of care to those who need it. This should be done while achieving the best possible medical outcome, and while providing care that satisfies women and their families and their future care providers.
General objectives of the subject	Knowledge of obstetric pathologies Knowledge of the main methods of diagnosis and principles of treatment in different obstetric diseases
Specific objectives of the subject	Design, conduct and evaluate specific practical activities; use of methods, techniques and tools for investigation and application in obstetrics ● ability to communicate with the patient or her relatives ● the ability to establish a diagnosis ● ability to recommend appropriate therapy ● ability to seek appropriate specialist advice ● ability to make the right decision

Course Syllabus	**Hours**
1. Gametogenesis, embryogenesis, organogenesis	2
2. Pregnancy diagnosis. Maternal body changes in pregnancy. High obstetric risk pregnancy	2
3. Spontaneous birth in cranial presentation. Mechanism of labour induction. Mechanism of birth in different presentations	2
4. Deliver. 4th period of birth. Haemorrhages at birth	2
5. Dystocic birth. Maternal obstetric trauma	2
6. Premature birth. Prolonged pregnancy	2
7. Bleeding during pregnancy (first and second half of pregnancy)	2
8. Pregnancy-related diseases. Late dysgravida	2
9. Fetal distress. Fetal appendage pathology, hydramnios, cord pathology. Newborn resuscitation and intensive care 10. Cardinal symptoms in gynaecology (pain, haemorrhage, leucorrhoea).	2
11. Menstrual disturbances through insufficiency. Menstrual disorders by excess	2
12. Inflammations of the genital tract. Pelvic inflammatory disease.	2
13. Benign tumour pathology of the genital tract. Uterine fibroid. Endometriosis	2
14. Couple infertility. Notes on contraception and family planning	2

Laboratory Syllabus	Hours
1. Pregnancy diagnosis. Pregnancy follow-up	4
2. Anamnesis and clinical examination of the pregnant woman, with case presentations	4
3. Anamnesis and clinical examination of the pregnant woman, with case presentations	4
4. Anamnesis and clinical examination of the pregnant woman, with case presentations	4
5. Haemorrhages in pregnancy, with case presentations	4
6. Premature birth and premature rupture of membranes, with case presentations	4
7. Early and late dysgravida, with case presentations	4
8. Cesarean Birth	4
9. Dystocic birth	4
10. Obstetric maternal and fetal trauma	4
11. Fetal distress. Fetal death in utero	4
12. Pregnancy-related diseases, with case presentations	4
13. Anamnesis and clinical examination of the pregnant woman, with case presentations	4
14. Anamnesis, clinical examination and physiological follow-up, with case presentations	4

Minimum References:

1. Infertility. Comprehensive and therapeutic approaches. Rene Frydman, Hippocrates Publishing House, 2019.
2. Practical Guide to Obstetrics and Gynaecology. Sabaratnam A., Sally Collins. Hippocrates Publishing 2019.
3. Essentials in Obstetrics, Ed. Amaltea, Prof. Dr. D Nanu, Prof. Dr. Bogdan Marinescu, 2019
4. Obstetrics-National Publishing, V. Ancar, 2018
5. Treatise on Obstetrics, Ed. Romanian Academy, Bucharest, 2000, Ioan Munteanu
6. Medical conditions associated with pregnancy, Ed. Infomedica,2002, Radu Vladareanu
7. Internet: emedicine.com; obgyn.net; acog.org; medscape.com/home
8. Course material taught

Correlation of the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the health sector

The theoretical and practical content exposed in the course and practical work is supported by bibliography and constantly updated by consulting specialized journals and the specialized web domain and is consistent with the requirements of European education so as to help further professional development and integration regardless of the field that will be professed.

How the information is transmitted	
Forms of activity	**Teaching methods used**
Course	Interactive teaching activity, face-to-face PPT presentations with students
Laboratory / clinical internship / seminar	Clinical activity in the hospital in the clinical ward, bedside activity, case presentations and bedside medical activity

Minimum performance standard - – the minimum level of activities that need to be fulfilled by the student at the clinical placement in order to be admitted to the practical examination

Diagnosis of pregnancy; vaginal tact and valve examination; Leopold maneuvers; determining the age of pregnancy; diagnosis of ectopic pregnancy; attitude in case of genital bleeding

Consideration points for computing the final score:	Percentage share of scoring (Total = 100%)
- exam/check answers (final assessment)	**50%**
- final answers to the practical laboratory work	**15%**
- regular testing through control papers / colloquia	**10%**
- continuous testing throughout the semester	**5%**
- activities such as homework / reports / essays / translations / projects etc.	**10%**
- other activities : practical work at internships and in guards.	**10%**

Describe the practical arrangements for the final assessment:

1. The written grid paper, corrected according to the system used for the residency exam
2. Practical examination: bedside examination followed by case presentation
3. Oral exam: questions from the topic studied for the exam

The exam will be conducted online or face-to-face depending on the evolution of the SARS-COV 2 coronavirus pandemic.

Minimal requirements for grade 5 (or how grade 5 is awarded)	**Requirements for grade 10 (or how grade 10 is awarded)**
• Passing the practical examination is a condition for admission to the final examination • Basic knowledge required and necessary for the general practitioner or other specialist (pregnancy diagnosis, pregnancy and labour follow-up, etc.)	• Thorough and detailed knowledge and understanding of the material taught in the course and additional data from the bibliography • Formulate a correct diagnosis based on the data provided by the patient's examination and complementary investigations, be able to support this diagnosis by sound clinical reasoning and establish the appropriate therapeutic attitude

Date of completion
17.09.2022

Discipline Coordinator,,
Head of Works Dr. AL Jashi Isam

Head of Department,
Conf. Univ. Dr. Dan Ioan Ulmeanu

Course Coordinator,
Head of Works Dr. AL Jashi Isam

Department approval date
23.09.2022

TITU MAIORESCU UNIVERSITY OF BUCHAREST
FACULTY OF MEDICINE
MEDICINE IN ENGLISH SPECIALISATION
ACADEMIC YEAR: 2022-2023

DISCIPLINE FILE

Faculty	**MEDICINE**
Department	**MEDICAL-SURGICAL AND PROPHYLACTIC DISCIPLINES**
Field of study	**HEALTHCARE**
Study cycle	**BACHELOR**
Study programme	**MEDICINE**

Discipline`s Name	**PUBLIC HEALTH AND HEALTH MANAGEMENT**					
Didactic position, name and surname of the Discipline Coordinator	**Prof. Cristian Vlădescu, PhD**					
Didactic position, name and surname for the Course Coordinator	**Prof. Cristian Vlădescu, PhD**					
Didactic position, name and surname for the Coordinator of the Seminar / Laboratory / Clinical Traineeship	**Ș.L. Dr. Anca Buliman**					
Discipline code	**MLE.6.12.12**	Formative category of the discipline		**DS**		
Year of study	**VI**	Semester*	**12**	Type of final evaluation (**E, V**)		**E12**
Discipline Regime (**M-m**andatory, **Op-op**tional, **F-f**acultative)				**O**	No. of credits	**2**

** If the subject has several semesters of study, one form must be completed for each semester.*

No. of Hours per week	**3**	Out of which are Course hours:	**2**	Seminar / Practical Activity / Clinical Stage	**1**
Total of hours in the curriculum	**42**	Out of which are Course hours:	**28**	Seminar / Practical Activity / Clinical Stage	**14**
		Total hours per semester	**50**	Total hours of individual study	**8**

Distribution of time pool per week	**Hours**
1. Study of the course material	2
2. Study according with the course support, manuals	3
3. Study of the minimal bibliography	1
4. Additional documentation in the library	0

5. Specific activity for the seminary or laboratory	0
6. Homeworks, translations, etc.	0
7. Preparing for different written exams	0
8. Preparing for oral examinations	0
9. Preparing for the final examination	2
10. Consultations	0
11. In the field documentation	0
12. Documentation from web sources, portals, wiki websites	0
13. Tutoring	0
14. Examinations	0
15. Other activities:	0

Course name	**Public health and health management**
Specific professional competencies	- Acquiring skills for the use of specific working methods in public health. - Application of health assessment methods. - Use and interpretation of statistical methods. - Understanding and applying the functions of health management. - Understand how to ensure quality and improve quality. health services and patient safety.
Transversal competencies	Identify roles and responsibilities in a multidisciplinary team and apply techniques for effective teamwork and interpersonal skills. Effective use of assisted training resources (specialist portals, databases, online courses etc)
General objectives of the discipline	Learning the specific working methodology of public health and health management.
Specific objectives of the discipline	Knowledge of the theoretical basis of public health and health management, including some legal regulations in the field. Acquiring the knowledge and skills needed to assess health status and regulatory health needs. Acquiring the knowledge needed to understand the specifics of organisational and clinical management.

Course Syllabus		**28 hours**
1.	Introduction to Public Health; Population Health Status and its Determinants	2h
2.	Elements of demographic statistics.	2h
3.	Phenomena with demographic influence.	2h
4.	Measurement of disease frequency at population level; Epidemiological studies used in public health	2h
5.	Health Care Systems (HIS)	2h
6.	Social health insurance system in Romania	2h
7.	Elements of health management (1)	2h
8.	Elements of health management (2)	2h
9.	Quality management in health services (1)	2h
10.	Quality management in health services (2)	2h
11.	Populations at risk	2h
12.	Hospital care	2h
13.	Health education. Health promotion	2h
14.	Programme/project management in health	2h
Laboratory Syllabus		**14 h**
1.	Demography. Phenomena with demographic influence. Calculation and interpretation of demographic indicators	1h
2.	Correct completion of certificates of live birth, stillbirth and death.	1h
3.	Developing materials in health education	1h
4.	Rationale for the development of a health facility in line with the normative health need of the the community in the geographical area served	1h
5.	Developing a health facility management plan	1h
6.	Drawing up a risk map	1h
7.	Integrated case management	1h
8.	Inter-branch communication	1h
9.	Communication with the patient. Assessment of communication skills	1h
10.	Development of a diagnostic and treatment protocol	1h
11.	Evaluating hospital performance - calculating and interpreting average length of hospital stay, bed turnover and occupancy rate	1h
12.	Evaluation of the effectiveness and efficiency of diagnostic and treatment protocols	1h
13.	Measuring disease frequency in a population; interpretation of indicators	1h
14.	Calculation and interpretation of risks in epidemiological surveys applied in public health	1h

Minimum References:

1. Cristian Vlădescu - Public Health and Health Management, University Book Publishing, Bucharest, 2004.
2. Georgeta Zanoschi**:** Public Health and Health Management, DAN Publishing House, Iasi, 2003, 320 pg., ISBN 973-8365-13-9.
3. Vladescu, C. (coord.), Management in the health system, Ed. AlphaMDN, 2010, ISBN 978-973-139-139-7,
4. Odetta Duma**:** Management in Health Care, Edit. PIM, Iași, 2011, 310 pages, ISBN 978-606-13-0478-3.
5. Vladescu, C, Busoi, C., Public Health Policies in the European Union, Ed. Polirom, 2011, ISBN 978-973-46-199-3
6. Vladescu. C., Matei, M., Sfetcu, R., (coord.) Practical guide for community health care, Ed. Estfalia, 2012, ISBN 978- 606-8284-30-9
7. Maria Liliana Iliescu, Dana Teodora Anton-Păduraru, Alexandru Cărăuleanu, Iolanda Alca Iliescu, Bogdan Mugur Manole, Georgeta Zanoschi - Public Health and Health Management, "Gr.T.Popa" Publishing House UMF Iasi, 2014.
8. Course material taught

Correlation of the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the health sector
Knowledge and skills are set as learning objectives and specified as such in annually revised syllabuses. The correspondence between content and the expectations of the academic community, community representatives, professional associations and employers is assessed. As a primary goal, the discipline aims to provide students with optimal prerequisites for successful employment immediately after graduation in residency programmes in Romania and other EU countries. Organization of meetings with teachers from other preventive medicine disciplines and employees of CASMB Bucharest, DSP Bucharest; identification of the needs and expectations of employers in the field and coordination with other similar programs within other medical higher education institutions in the country.

How the information is transmitted	
Forms of activity	**Teaching methods used**
Course	Interactive programmed learning; multimedia projection of course material
Laboratory	Multimedia projection of problems/exercises, printed quizzes/worksheets

Minimum performance standard - minimum set of activities to be performed by the student in the practical work / clinical placement to be admitted to the practical examination - in the seminar / project to be admitted to the final check
- know the basics of public health and health management - have no more than 20% unexcused and unrecovered absences from practical work - understand the meaning of health indicators - understand the concept of quality health services - assess and treat clinical risks associated with healthcare

Consideration points for computing the final score:	**Percentage share of scoring (Total = 100%)**
- exam/check answers (final assessment)	**50 %**
- final answers to the practical laboratory work	**20 %**

- regular testing through control papers / colloquia	**20 %**
- continuous testing throughout the semester	**10 %**
- activities such as homework / reports / essays / translations / projects etc.	**0 %**
- other activities	**0 %**

Describe the practical arrangements for the final assessment, E: written paper (grid test)
The exam will be conducted online or face-to-face depending on the evolution of the SARS-COV 2 coronavirus pandemic.

Minimal requirements for grade 5 (or how grade 5 is awarded)	**Requirements for grade 10 (or how grade 10 is awarded)**
• passing the practical examination • promotion of control work • solving at least half of the topics received on examination	• in-depth knowledge of the concepts taught in course and practical work • solving 90% of the subjects received in the exam

Date of completion
17.09.2022

Discipline Coordinator,
Prof. Cristian Vlădescu, PhD

Head of Department,,
Conf. Univ. Dr. Dan Ioan Ulmeanu

Course Coordinator,
Prof. Cristian Vlădescu, PhD

Department approval date
23.09.2022

TITU MAIORESCU UNIVERSITY OF BUCHAREST
FACULTY OF MEDICINE
MEDICINE IN ENGLISH SPECIALISATION
ACADEMIC YEAR: 2022-2023

DISCIPLINE FILE

Faculty	**MEDICINE**
Department	**MEDICAL-SURGICAL AND PROPHYLACTIC DISCIPLINES**
Field of study	**HEALTHCARE**
Study cycle	**BACHELOR**
Study programme	**MEDICINE**

Discipline`s Name	**CLINICAL EPIDEMIOLOGY**					
Didactic position, name and surname of the Discipline Coordinator	**Head of works Dr. Bogdan Cîrciumaru**					
Didactic position, name and surname for the Course Coordinator	**Head of works Dr. Bogdan Cîrciumaru**					
Didactic position, name and surname for the Coordinator of the Seminar / Laboratory / Clinical Traineeship	**Head of works Dr. Bogdan Cîrciumaru Head of works Dr. Ștefan Ion Head of works Dr. Simona Nicoleta Musat**					
Discipline code	**MLE.6.12.13**	Formative category of the discipline			**DS**	
Year of study	**VI**	Semester*	**12**	Type of final evaluation (**E, V**)		**V12**
Discipline Regime (**M**-**m**andatory, **Op**-**op**tional, **F**-**f**acultative)				O	No. of credits	2

** If the subject has several semesters of study, one form must be completed for each semester.*

No. of Hours per week	**3**	Out of which are Course hours:	**2**	Seminar / Practical Activity / Clinical Stage	**1**
Total of hours in the curriculum	**42**	Out of which are Course hours:	**28**	Seminar / Practical Activity / Clinical Stage	**14**
		Total hours per semester	**50**	Total hours of individual study	**8**
Distribution of time pool per week					**Hours**
1. Study of the course material					1
2. Study according with the course support, manuals					1

3. Study of the minimal bibliography	1
4. Additional documentation in the library	1
5. Specific activity for the seminary or laboratory	1
6. Homeworks, translations, etc.	0
7. Preparing for different written exams	0
8. Preparing for oral examinations	1
9. Preparing for the final examination	2
10. Consultations	0
11. In the field documentation	0
12. Documentation from web sources, portals, wiki websites	0
13. Tutoring	
14. Examinations	
15. Other activities:	0

Course name	**CLINICAL EPIDEMIOLOGY**
Specific professional competencies	• Learning the fundamentals of epidemiological issues general on the purpose, methods and results of epidemiological activities • Acquiring skills for using specific working methods in epidemiology • Application of specific methods for surveillance and control of infectious diseases • Use and interpretation of statistical methods • Understanding and applying prevention in infectious diseases • Understanding the role of health education.
Transversal competencies	• Identifying roles and responsibilities in a team • and the application of effective working and networking techniques within the framework of the this one. • Efficient use of supported training resources (specialist portals, databases, online courses, etc.).
General objectives of the discipline	• Acquiring knowledge of specific disease epidemiology methodology transmittable
Specific objectives of the discipline	• Knowledge of the theoretical basis of epidemiology, including some legislative documents in the field • To acquire the knowledge and skills needed to evaluate epidemiologica studies and to apply epidemiological methods in practice (surveillance, investigation, analysis, etc.).

Course Syllabus	Hours
Topic 1.-Introduction, evolution of the concept, comparative chronological definitions, branch of preventive and public health sciences. Objectives and methods of study of morbid manifestations affecting human communities. -The structure of the infectious and non-infectious epidemiological process. Factors of the infectious epidemiological process, epidemiological outbreak of communicable disease	2
Theme 2. Determinants of the infectious epidemiological process a) Source of infection (human, animal, arthropod) diseased, carrier of germs; particularities and examples in various communicable diseases. b) Transmission routes and mechanisms (direct and indirect transmission); role of air, water, soil, food, objects, dirty hands and vectors in transmission of pathogens with examples for different communicable diseases. Measures to prevent and limit the risk of contamination, methods to control the degree of contamination of transmission routes.	2
Theme 3 - Receptivity - immunity - anti-infectious resistance, humoral and cellular immunity, methods of testing immunity, individual and general indicators of receptivity in communicable diseases, measures and methods of influencing receptivity used in epidemiological practice. - Factors favouring the infectious epidemiological process (natural, economic and social). Natural outbreak and the phenomenon of natural focality.	4
Theme 4 - Forms of manifestation of the infectious epidemiological process (criteria for definition and characteristics sporadic, endemic, epidemic and pandemic developments) - Active epidemiological surveillance (data collection, processing, analysis and interpretation results, general and specific measures for different communicable diseases).	4
Theme 5. Epidemiology, prophylaxis and control of the main respiratory infectious diseases with viral etiology (measles, chickenpox, rubella, infectious monocellosis, urinary tract infection, influenza and other respiratory viruses).	4
Theme 6. Epidemiology, prophylaxis and control of the main respiratory infectious diseases with bacterial etiology (scarlet fever and other streptococcal infections, diphtheria, meningococcal infection, whooping cough).	4
Theme 7. Epidemiology, prophylaxis and control of the main digestive diseases (dysentery, typhoid fever, food-borne toxin infections, enteroviroasis).	4

Theme 8. Epidemiology, prophylaxis and control of acute viral hepatitis and HIV infection. Epidemiology, prophylaxis and control of the main zoonoses (tetanus, anthrax, rabies, leptospirosis).	4
Laboratory Syllabus	**Hours**
Epidemiological investigation in a communicable disease outbreak. Preliminary and definitive investigation objectives, methodology, legislation, survey presentations. Information system for communicable diseases.	2
THEME 2. Active artificial immunoprophylaxis in epidemiological work. Compulsory and voluntary vaccinations (products	2
biologics, indications, contraindications, vaccination schedules, incidents, accidents, complications, efficacy testing). Compulsory vaccination calendar	
THEME 3. Artificial - passive immunoprophylaxis in epidemiological work. Serum and immunoglobulinoprophylaxis (products biologics used, indications, dosages, administration schedules and efficacy).	2
THEME 4. Decontamination - decontamination methods and techniques (physical and chemical methods), evaluation of effectiveness decontamination. Sterilisation (methods and techniques), effectiveness testing.	2
THEME 5.Pest and rodent control (principles, methods). Collection of pathological products in communicable disease outbreak (technique for each prudus, transport, interpretation of results to guide epidemiological work).	2
THEME 6. Epidemiological investigation and anti-epidemic measures in communicable diseases with a respiratory gateway - elements of epidemiological surveillance (scarlet fever, diphtheria, influenza and other respiratory viruses, meningitis, etc.). meningococcal, whooping cough).	2
THEME 7. Epidemiological investigation and anti-epidemic measures in communicable diseases with digestive portal of entry - elements of active epidemiological surveillance (dysentery, typhoid fever, foodborne toxin infections, acute viral hepatitis, enteroviroasis)	2

Minimum References:

1. Epidemiology. Course and practical work. Volume I. Daniela Pițigoi. Carol Davila University Publishing House, Bucharest, 2019
2. Azoicăi D. - Special epidemiology - general , Editura UMF Gr.Popa - Iași 2015
3. Treatise on the Epidemiology of Communicable Diseases. Ivan A. Polirom Publishing House, Bucharest, 2002.
4. B. Cîrciumaru. Compendium of Infectious Diseases, "Carol Davila" University Publishing House, 2006
5. Course material taught

Correlation of the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the health sector

The discipline of Clinical Epidemiology contributes to the training of the future doctor through the knowledge acquired in terms of epidemiology and transmission and control of infectious diseases. Transdisciplinary epidemiology provides the student with the necessary skills to develop cross-disciplinary and professional competencies for application in medical practice.

How the information is transmitted	
Forms of activity	**Teaching methods used**
Course	Lecture, slides, case presentations
Laboratory	• Clinical internship in hospital at the bedside • Direct patient interaction • Discussion and analysis, case study comparisons

Minimal performance standards – the minimum level of activities that need to be fulfilled by the student during the practical works to be accepted to the final laboratory exam:

- description of the components of the epidemiological inquiry
- description of prophylactic methods in the main viral and bacterial infectious diseases
- general principles and details of the vaccination schedule

For the student to acquire the minimum level of general and subject-specific competences are required:

- participation in case presentations during clinical placements
- promotion of periodic testing during the semester
- minimum 50% attendance at courses

Consideration points for computing the final score:	Weighting in scoring, expressed in percent (Total = 100%)
- exam/check answers (final assessment)	**50%**
- final answers to the practical laboratory work	**30%**
- regular testing through control papers / colloquia	**-**
- continuous testing throughout the semester	**20%**
- activities such as homework / reports / essays / translations / projects etc.	**-**
- other activities	**-**
Describe the practical arrangements for the final assessment, E/V descriptive written paper The exam will be conducted online or face-to-face depending on the evolution of the SARS-COV 2 coronavirus pandemic.	

Minimal requirements for grade 5 (or how grade 5 is awarded)	Requirements for grade 10 (or how grade 10 is awarded)
• Grasp of basic concepts demonstrating knowledge of the subject matter • Solving at least 50% of the exam topics	• Detailed development of the essential elements of the concepts learnt; making interdisciplinary connections • Solving 90% of the exam topics

Date of completion
17.09.2022

Discipline Coordinator,
Head of works Dr. Bogdan Cîrciumaru

Course Coordinator,
Head of Works Dr. Bogdan Cîrciumaru

Department approval date
23.09.2022

Head of Department,
Conf. Dr. Dan Ioan Ulmeanu

Seminar/lab/clinical internship holder,

Head of Works Dr. Bogdan Cîrciumaru

TITU MAIORESCU UNIVERSITY OF BUCHAREST
FACULTY OF MEDICINE
MEDICINE IN ENGLISH SPECIALISATION
ACADEMIC YEAR: 2022-2023

DISCIPLINE FILE

Faculty	**MEDICINE**
Department	**MEDICAL-SURGICAL AND PROPHYLACTIC DISCIPLINES**
Field of study	**HEALTHCARE**
Study cycle	**BACHELOR**
Study programme	**MEDICINE**

Discipline`s Name	**HEPATOLOGY AND LIVER TRANSPLANTATION**
Didactic position, name and surname of the Discipline Coordinator	**Prof. Dr. Irinel Popescu**
Didactic position, name and surname for the Course Coordinator	**Prof. Dr. Irinel Popescu**
Didactic position, name and surname for the Coordinator of the Seminar / Laboratory / Clinical Traineeship	-

Discipline code	**MLE.O.18**	Formative category of the discipline			**SS**	
Year of study	**VI**	Semester*	**12**	Type of final evaluation (**E, V**)		**V12**
Discipline Regime (**M**-**m**andatory, **Op**-**op**tional, **F**-**f**acultative)			**Op**	No. of credits		**2**

** If the subject has several semesters of study, one form must be completed for each semester.*

No. of Hours per week	**1**	Out of which are Course hours:	**1**	Seminar / Practical Activity / Clinical Stage	0
Total of hours in the curriculum	**14**	Out of which are Course hours:	**14**	Seminar / Practical Activity / Clinical Stage	0
		Total hours per semester	**50**	Total study hours of individual	**36**

Distribution of time pool per week	**Hours**
1. Study of the course material	2
2. Study according with the course support, manuals	4
3. Study of the minimal bibliography	4

4. Additional documentation in the library	4
5. Specific activity for the seminary or laboratory	1
6. Homeworks, translations, etc.	3
7. Preparing for different written exams	2
8. Preparing for oral examinations	2
9. Preparing for the final examination	2
10. Consultations	2
11. In the field documentation	2
12. Documentation from web sources, portals, wiki websites	2
13. Tutoring	2
14. Reviews	2
15. Other activities:	2

Course name	**HEPATOLOGY AND LIVER TRANSPLANTATION**
Specific professional competencies	• Knowledge of the pathological peculiarities of the patient requiring transplantation hepatic. • Ability to integrate in a multidisciplinary activity allowing the identification of the optimal therapeutic solution as well as the ability to adapt to teamwork.
Transversal competencies	• Efficient use of communication and assisted vocational training resources (internal portals, specific applications, databases, on-line applications) both in Romanian and in an international language. • Development of teamwork skills, oral and written communication skills, use of information technology, readiness for autonomous learning and openness to lifelong learning, respecting and developing professional ethics.
General objectives of the discipline	• Basic knowledge of liver transplantation, diagnosis and treatment of conditions leading to the need for liver transplantation. Knowledge of imaging and laboratory investigations. • Performing a complete history and clinical examination as well as knowledge of basic surgical maneuvers in liver transplantation, requesting appropriate complementary investigations.
Specific objectives of the discipline	• Knowing the details of liver transplantation. • Knowledge of the indications for liver transplantation. • Understanding of drug treatment mechanisms in the pre- and post-transplant phase

Course Syllabus		14 hours
CURS 01	Biochemical assessment of liver functional status	1 hour
CURS 02	Non-invasive liver imaging assessment methods	1 hour
CURS 03	Invasive diagnosis of liver pathology	1 hour
CURS 04	Liver transplantation. General. History	1 hour
CURS 05	Liver transplantation. Indications	1 hour
CURS 06	Types of liver transplantation	1 hour
CURS 07	Evaluation and monitoring of patients with indication for liver transplantation	1 hour
CURS 08	Legislation on organ donation	1 hour
CURS 09	Liver graft removal	1 hour
CURS 10	Methods of preservation and transport of liver grafts for transplantation	1 hour
CURS 11	Preparing the patient for liver transplantation	1 hour
CURS 12	Patient care in the post-liver transplant phase	1 hour
CURS 13	Remote tracking of the transplanted patient	1 hour
CURS 14	Post-transplant medication schedules	1 hour

Minimum References:

1. Irinel Popescu, under ed. Treatise on hepatobiliary and pancreatic surgery and liver transplantation. Academy Publishing House
   Române, Bucharest, 2016;
2. Anesthesia protocols in liver transplantation - Coordinators: Gabriela Droc, Dana Tomescu, Carol Davila Publishing House, 2016
3. Liver Transplantation (sub red. Irinel Popescu - Ed. Romanian Academy, Bucharest 2011
4. Transplantation of the Liver - Third Edition - 2013 Authors: Ronald W Busuttil and Goran B G Klintmalm
5. Liver Transplantation: Clinical Assessment and Management 1st Edition Authors: James Neuberger (Editor), James Ferguson (Editor), Philip N. Newsome (Editor) Publisher : Wiley-Blackwell; 1st edition (October 14, 2013) ISBN: 1118277384
6. Course material taught

Correlation of the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the health sector

professional and representative employers in the health sector

All the topics taught in the course are exposed in the didactic and scientific materials of the discipline, monographs, handbooks, lectures, in which the latest data are taken from national and international literature, corresponding to the quota the expectations of representatives of the epistemic community, professional associations and representative employers in

Health sector in the country. Through the topics covered, the course provides future doctors with knowledge that will improve their skills
transdisciplinary professional.

How the information is transmitted

Forms of activity	Teaching methods used
Course	Interactive course with video projection on screen (Power Point presentations); Drawings on flipchart and magnetic board.
Laboratory	-

Minimum performance standard - minimum set of activities to be completed by the student on the practical / clinical internship to be admitted to the practical examination - seminar / project to be admitted to the verification final
For admission to the final assessment : • Attendance at 80% of courses taught; • Promoting periodic tests during the semester.

Consideration points for computing the final score:	**Percentage share of scoring (Total = 100%)**
- exam/check answers (final assessment)	**60%**
- final answers to the practical laboratory work	**10%**
- regular testing through control papers / colloquia	**10%**
- attendance during the semester	**10%**
- internship notebook: homework, reports, translations, clinical cases, prioects.	**10%**
Describe the practical arrangements for the final evaluation [E] : Written paper with 50 questions from the course topics taught. The examination lasts 2 hours. The exam will be conducted online or face-to-face depending on the evolution of the SARS-COV 2 coronavirus pandemic.	

Minimal requirements for grade 5 (or how grade 5 is awarded)	**Requirements for grade 10 (or how grade 10 is awarded)**
• Correct answer to 50% of the questions in the final written assessment or partial exposition of the course topics. • partial knowledge of diagnosis and therapeutic principles • knowledge and approximate interpretation of biological constants and imaging	• correct and complete answers to the questions in the final evaluation or full presentation of the surgical topics • correct presentation of the clinical case, with complete and correct differential diagnosis, correct and clear treatment principles presented • detailed knowledge of biological constants and medical imaging data; correct interpretation • knowledge detailed knowledge a scales by anamnestic and surgical risk

Date of completion,
17.09.2022

Discipline Coordinator,
Prof. Dr. Irinel Popescu

Head of Department,
Conf. Univ. Dr. Ulmeanu Dan,

Course Coordinator,
Prof. Dr. Irinel Popescu

Department approval date
23.09.2022

TITU MAIORESCU UNIVERSITY OF BUCHAREST
FACULTY OF MEDICINE
MEDICINE IN ENGLISH SPECIALISATION
ACADEMIC YEAR: 2022-2023

DISCIPLINE FILE

Faculty	**MEDICINE**	**MEDIC**
Department	**MEDICAL-SURGICAL AND PROPHYLACTIC DISCIPLINES**	**Departa**
Field of study	**HEALTHCARE**	**SĂNĂT**
Study cycle	**BACHELOR**	**Studii u**
Study programme	**MEDICINE**	**MEDIC**

Discipline`s Name	**Assisted human reproduction**					
Didactic position, name and surname of the Discipline Coordinator	**Conf. Univ. Dr. Ovidiu Nicodin**					
Didactic position, name and surname for the Course Coordinator	**Conf. Univ. Dr. Ovidiu Nicodin**					
Didactic position, name and surname for the Coordinator of the Seminar / Laboratory / Clinical Traineeship	-					
Discipline Code	MLE.O.19	Formative category of the discipline		SS		
Year of Study	VI	Semester	12	Type of the final evaluation (**E, V**)		V12
Discipline Regime (**M**-**m**andatory, **Op**-**op**tional, **F**-**f**acultative)			Op	No. of credits		2

** If the subject has several semesters of study, one form must be completed for each semester.*

No. of Hours per week	1	Out of which are Course hours:	1	Seminar / Practical Activity / Clinical Stage	0
Total of hours in the curriculum	14	Out of which are Course hours:	14	Seminar / Practical Activity / Clinical Stage	-
		Total hours per semester	50	Total hours of individual study	36

Distribution of time pool per week	**Hours**
1. Study of the course material	5
2. Study according with the course support, manuals	5

3. Study of the minimal bibliography	5
4. Additional documentation in the library	5
5. Specific activity for the seminary or laboratory	0
6. Homeworks, translations, etc.	0
7. Preparing for different written exams	5
8. Preparing for oral examinations	0
9. Preparing for the final examination	5
10. Consultations	2
11. In the field documentation	0
12. Documentation from web sources, portals, wiki websites	4
13. Tutoring	0
14. Examinations	0
15. Other activities:	0

Course name	**Assisted human reproduction**
Specific professional competencies	Knowledge and understanding (knowledge and appropriate use of subject-specific concepts) ● general basic knowledge necessary for the practice of the medical profession ● ability to evaluate and self-evaluate ●basic knowledge necessary for the profession
Transversal competencies	Demonstrate a positive and responsible attitude towards the scientific field/ cultivate a scientific environment centred on cultural, moral and civic values/ make the best and creative use of one's own potential in scientific activities/ be involved in institutional development and in the promotion of scientific innovations/ engage in partnership relations with other people-institutions with similar responsibilities/ participate in one's own professional development ● interpersonal skills ● ability to work in a specialist or interdisciplinary team ● ability to behave ethically ●ability to design or participate in a clinical or other study
General objectives of the discipline	Explaining and interpreting ideas, projects, processes, as well as the theoretical and practical contents of the discipline ● ability of analysis and synthesis ● ability to solve problems ● ability to work in a team ● ability to use theoretical and practical knowledge in the interest and benefit of the patient
Specific objectives of the discipline	Designing, conducting and evaluating specific practical activities; using methods, techniques and tools for investigation and application ● ability to communicate with the patient or his/her relatives ● ability to establish a diagnosis ●ability to recommend appropriate therapy ●ability to seek appropriate specialist advice ●ability to make the right decision

Course Syllabus	**Hours**
1. Modern reproductive techniques; Definition and general legislation	1
2. Ethical aspects associated with assisted reproduction techniques	1
3. Artificial insemination	1
4. In vitro fertilization	1
5. Intracytoplasmic sperm injection; Notes on andrology	1

6. Egg donation; Contractual pregnancy/surrogacy 7. Ovarian stimulation; ovarian hyperstimulation syndrome	1
8. Intrafallopian gamete transfer	1
9. Intrafallopian zygote transfer	1
10. Cryopreservation of oocytes	1
11. In vitro maturation	1
12. Pre-implantation genetic diagnosis	1
13. Complications of assisted reproduction techniques	1
14. Recent developments and future directions of assisted human reproductive techniques	1

Minimum References:

1. Essentials in Obstetrics, Ed. Amaltea, 2008, Prof. Dr. D Nanu, Prof. Dr. Bogdan Marinescu
2. Notions of Assisted Human Reproduction Ed. Medical University Andreea Carp-Veliscu, Bogdan Marinescu, 2019
3. Treatise on Obstetrics, Ed. Academiei Romane, Bucharest, 2000, Ioan Munteanu
4. Medical conditions associated with pregnancy, Ed. Infomedica,2002, Radu Vladareanu
5. Gynaecology Tractatus Ed. Academiei Romane under the editorship of Prof. Dr. Peltecu Gheorghe
6. Wiliams Gynecology 2015-2016
7. Course support
8. Internet: emedicine.com; obgyn.net; acog.org; medscape.com/home

Correlation of the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the health sector

The theoretical and practical content exposed in the course is supported by bibliography and constantly updated by consulting specialized journals and the specialized web domain and is consistent with the requirements of European education so as to help further professional development and integration regardless of the field you will be teaching.

How the information is transmitted	
Forms of activity	**Teaching methods used**
Course	Interactive course, powerpoint presentations, periodic testing, case presentations
Laboratory	-

Minimal performance standards – the minimum level of activities that need to be fulfilled by the student during the practical works to be accepted to the final laboratory exam:

Diagnosis of pregnancy; vaginal tact and valve examination; Leopold maneuvers; determining the age of pregnancy; diagnosis of ectopic pregnancy; attitude in case of genital bleeding

Consideration points for computing the final score:	**Percentage share of scoring (Total = 100%)**
- Responses to the final exam	**60%**
- Responses to the laboratory examination	**-**
- Periodic checks with written exams	**15%**
- Continuous testing throught the semester	**10%**
- Projects / Translations / Posters / Essays, etc.	**15%**
- Other activities:	**-**

1. Description of the actual methods of examination

Written paper (descriptive and grid test)

The exam will be taken online or face-to-face depending on the evolution of the SARS-COV 2 coronavirus pandemic.

Minimal requirements for grade 5 (or how grade 5 is awarded)	**Requirements for grade 10 (or how grade 10 is awarded)**
Basic knowledge required and necessary for the general practitioner or other specialist (pregnancy diagnosis, pregnancy and labour follow-up, etc.)	Thorough and detailed knowledge and understanding of the material taught in the course and additional data from the bibliography

	Formulate a correct diagnosis based on the data provided by the patient's examination and complementary investigations, be able to support this diagnosis by sound clinical reasoning and establish the appropriate therapeutic attitude

Date of completion
17.09.2022

Discipline Coordinator,
Conf. Univ. Dr. Ovidiu Nicodin

Course Coordinator,
Conf Univ Dr. Ovidiu Nicodin

Department approval date
23.09.2022

Head of Department

Conf. Univ. Dr. Ulmeanu Dan

TITU MAIORESCU UNIVERSITY OF BUCHAREST
FACULTY OF MEDICINE
MEDICINE IN ENGLISH SPECIALISATION
ACADEMIC YEAR: 2022-2023

DISCIPLINE FILE

Faculty	**MEDICINE**
Department	**MEDICAL-SURGICAL AND PROPHYLACTIC DISCIPLINES**
Field of study	**HEALTHCARE**
Study cycle	**BACHELOR**
Study programme	**MEDICINE**

Discipline`s Name	**DISASTER MEDICINE**
Didactic position, name and surname of the Discipline Coordinator	**Prof. Univ. Dr. Dan Mănăstireanu**
Didactic position, name and surname for the Course Coordinator	**Prof. Univ. Dr. Dan Mănăstireanu**
Didactic position, name and surname for the Coordinator of the Seminar / Laboratory / Clinical Traineeship	-

Discipline code	**MLE.O.20**	Formative category of the discipline			**SS**	
Year of study	**VI**	Semester*	**12**	Type of final evaluation (**E, V**)		**V12**
Discipline Regime (**M**-**m**andatory, **Op**-**op**tional, **F**-**f**acultative)				Op	No. of credits	2

** If the subject has several semesters of study, one form must be completed for each semester.*

No. of Hours per week	1	Out of which are Course hours:	1	Seminar / Practical Activity / Clinical Stage	0
Total of hours in the curriculum	14	Out of which are Course hours:	14	Seminar / Practical Activity / Clinical Stage	0
		Total hours per semester	50	Total study hours of individual	36

Distribution of time pool per week	**Hours**
1. Study of the course material	6
2. Study according with the course support, manuals	6
3. Study of the minimal bibliography	1
4. Additional documentation in the library	0
5. Specific activity for the seminary or laboratory	0
6. Homeworks, translations, etc.	3

7. Preparing for different written exams	3
8. Preparing for oral examinations	0
9. Preparing for the final examination	8
10. Consultations	0
11. In the field documentation	0
12. Documentation from web sources, portals, wiki websites	6
13. Tutoring	2
14. Examinations	1
15. Other activities:	0

Course name	**DISASTER MEDICINE**
Specific professional competencies	• Understand the specifics of the discipline and the features that differentiate it from other disciplines. • Leadership and teamwork in disaster situations, calamities, epidemics or pandemics.
Transversal competencies	• Demonstrate concern for continuous professional development through assimilation of disaster and crisis concepts. • It requires the development of the ability to work as a team in crisis situations and decision-making power, medical knowledge must be clear, broad and reliable.
General objectives of the discipline	• Familiarize students with the concepts of disaster and crisis situations. • Acquiring the knowledge needed by the doctor as a leader in disaster situations. • Learning about disaster medical response planning.
Specific objectives of the discipline	• Recognition of risk factors; • Learning emergency techniques , • Understand how to use rescue resources effectively, • The practical application of health legislation in the field and the consequences of non-compliance its • Understanding the need for first aid measures, individual activities and collective.

Course Syllabus	Hours
1.Disaster medicine: classification in medical specialties, objectives, terms, defining features	1
2. Definition and characteristics of disasters. Types of disasters. Classification of disasters	1
3. Medical management of natural disasters	1
4. Public health consequences of natural disasters. Prevention strategies.	1
5. Epidemiology of disasters.	1
6. Preparing national health systems for disasters.	1
7. Disaster pathology.	1
8. Disaster response plan: development, content, implementation.	1
9. Medical aid chain in crisis situations.	1
10. Management of environmental effects caused by natural disasters.	1
11. Behavioural response to disasters. Knowledge of the effects of weapons of mass destruction and conventional weapons: effects of nuclear weapons, effects of biological weapons, effects of chemical weapons.	1
12. Public health implications of chemical and nuclear accidents.	1
13. Conventional and unconventional disasters as aggressions to Romania's security.	1
14. Risk management; civil protection management.	1

Minimum References:

1. Man of Disaster Medicine. Henri Julien. Editor of the Lb. English Raed Arafat, Lavoisier Medicine, Bucharest, 2019;
2. The Tintinalli Manual for Emergency Medicine. Comprehensive Study Guide, 8th ed. 3rd Edition in Lb. English. Editor of the Lb. English Raed Arafat, Editura Art, 2019;
3. Dan Dan Monastireanu, Nicolae Steiner, Zoia Bitea, Monica Laslău, Tiberiu Bondar, Sebastian Dobjanschi : Medicine of University of Oradea Publishing House, 2006
4. Dan Dan Monastireanu, Nicolae Steiner, Zoia Bitea, Monica Laslău, Tiberiu Bondar, Sebastian Dobjanschi : Practical works
   University of Oradea Publishing House, 2006
5. Steiner Nicolae, Mănăstireanu Dan : Medical disaster management. M.L.A. Publishing House. 2004
6. American College of Emergency Physicians, Disaster Committee: Student manual for Disaster management and planning for Emergency Physicians course. FEMA, Emergency Management Institute Emmitsburg
7. Course material taught

Correlation of the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the health sector

The theoretical notions presented in the course allow the integration in a responsible professional environment, the adaptation to any crisis situation in accordance with European requirements and the development of teamwork and interdisciplinary collaboration skills, thus meeting the expectations of the representatives of the epistemic community, professional associations and representative employers in the health sector.

How the information is transmitted	
Forms of activity	**Teaching methods used**
Course	Interactive, face-to-face didactic activity, using modern means of presentation, overhead projector, video projector, PPT

Minimum performance standard - minimum set of activities to be performed by the student - knowledge and proof of understanding of the specific notions of the discipline, their use in the assessment of given crisis situations, mastering the notions of medical triage and their use in different scenarios, outlining the intervention plan in situations of medical structures.
The student will assimilate theoretical and practical notions on the management and resolution of crisis situations faced by human communities; will know how to react in an unusual situation: notification and alarm of the population, shelter, medical aid chain, immediate and delayed treatment of disaster victims, prevention of epidemics, evacuation, recovery, etc. and post-disaster recovery of the affected population, environmental management.

Consideration points for computing the final score:	**Percentage share of scoring (Total = 100%)**
- exam/check answers (final assessment)	**80%**
- final answers to the practical laboratory work	
- regular testing through control papers / colloquia	**10%**
- continuous testing throughout the semester	
- activities such as homework / reports / essays / translations / projects etc.	**10%**
- other activities	

Describe the practical arrangements for the final assessment, E/V. written paper
The exam will be conducted online or face-to-face depending on the evolution of the SARS-COV 2 coronavirus pandemic.

Minimal requirements for grade 5 (or how grade 5 is awarded)	**Requirements for grade 10 (or how grade 10 is awarded)**
• knowledge for grade 5 - basic knowledge to complete correctly at least 50% of the topics received	• knowledge for grade 10 - all concepts taught and correct answers to all topics

Date of completion
17.09.2022

Discipline Coordinator,
Prof. Dan Mănăstireanu

Course Coordinator,
Prof. Dan Mănăstireanu

Department approval date
23.09.2022

Head of Department,
Conf. Univ. Dr. Ulmeanu Dan

TITU MAIORESCU UNIVERSITY OF BUCHAREST
FACULTY OF MEDICINE
MEDICINE IN ENGLISH SPECIALISATION
ACADEMIC YEAR: 2022-2023

DISCIPLINE FILE

Faculty	**MEDICINE**
Department	**MEDICAL-SURGICAL AND PROPHYLACTIC DISCIPLINES**
Field of study	**HEALTHCARE**
Study cycle	**BACHELOR**
Study programme	**MEDICINE**

Discipline`s Name	**PRINCIPLES AND PRACTICE OF MECHANICAL VENTILATION**					
Didactic position, name and surname of the Discipline Coordinator	**Conf Dr. Radu Stoica**					
Didactic position, name and surname for the Course Coordinator	**Conf Dr. Radu Stoica**					
Didactic position, name and surname for the Coordinator of the Seminar / Laboratory / Clinical Traineeship	-					
Discipline code	**MLE. O.21**	Formative category of the discipline			**SS**	
Year of study	**VI**	Semester*	**12**	Type of final evaluation (**E, V**)		**V12**
Discipline Regime (**M**-**m**andatory, **Op**-**op**tional, **F**-**f**acultative)				**Op**	No. of credits	**2**

** If the subject has several semesters of study, one form must be completed for each semester.*

No. of Hours per week	**1**	Out of which are Course hours:	**1**	Seminar / Practical Activity / Clinical Stage	0
Total of hours in the curriculum	**14**	Out of which are Course hours:	**14**	Seminar / Practical Activity / Clinical Stage	0
		Total hours per semester	**50**	Total study hours of individual	**36**

Distribution of time pool per week	**Hours**
1. Study of the course material	2
2. Study according with the course support, manuals	4
3. Study of the minimal bibliography	4
4. Additional documentation in the library	4
5. Specific activity for the seminary or laboratory	1

6. Homeworks, translations, etc.	3
7. Preparing for different written exams	2
8. Preparing for oral examinations	2
9. Preparing for the final examination	2
10. Consultations	2
11. In the field documentation	2
12. Documentation from web sources, portals, wiki websites	2
13. Tutoring	2

14. Examinations	2
15. Other activities:	2

Course name	**PRINCIPLES AND PRACTICE OF MECHANICAL VENTILATION**
Specific professional competencies	• Acquire knowledge of the pathology of patients requiring mechanical ventilatory support and its indications and contraindications. • Learning the theoretical and working skills, individually and in a team, with artificial ventilation devices and how to choose the appropriate interface in relation to the patient's particularities.
Transversal competencies	• Acquisition of oral and written communication skills through the use of information technology, willingness to learn new medical techniques and procedures independently. • Ability to learn and communicate in Romanian and in an international language, use of modern training resources (online applications, databases, internet, etc.) • Development of the spirit of teamwork as well as learning principles of medical ethics related to severely ill patients (including psychological aspects of interrelation with them) regardless of pathology, useful in the rest of the activity. professional.
General objectives of the discipline	• Instilling the basics of respiratory failure and the diagnosis and treatment of conditions leading to the need for mechanical ventilation. • Understand the indications and contraindications of mechanical ventilation as well as the means and techniques of its administration.
Specific objectives of the discipline	• Knowledge and understanding of pathological situations that generate insufficiency respiratory • Understanding the role of ventilatory support in emergency medicine, chronic conditions or palliation.

Course Syllabus		14 hours
CURS 01	Principles of mechanical ventilation. Similarities and differences with physiological ventilation	1 hour
CURS 02	Etiology of respiratory failure	1 hour
CURS 03	Pathophysiology of acute and chronic respiratory failure	1 hour
CURS 04	The role of ventilatory support in the therapy of acute pulmonary and extrapulmonary conditions	1 hour
CURS 05	The role of ventilatory support in the therapy of chronic pulmonary and extrapulmonary conditions	1 hour
CURS 06	Types of fan support	1 hour
CURS 07	Conventional mechanical ventilation. Principles and indications.	1 hour
CURS 08	Non-invasive mechanical ventilation. Principles and indications.	1 hour
CURS 09	Conventional and non-invasive mechanical ventilation modes	1 hour
CURS 10	Interfaces used in non-invasive ventilation (specific indications)	1 hour
CURS 11	Preparing the patient for mechanical ventilation	1 hour
CURS 12	Monitoring the mechanically ventilated patient	1 hour
CURS 13	Complications of mechanical ventilation	1 hour
CURS 14	Prognosis and limits of mechanical ventilation	1 hour

Minimum References:

1. Bogdan Miron Alexandru,, under ed. PNEUMOLOGY. Carol davila University Publishing House, Bucharest, 2008;
2. Dean Hess R, Kacmarek Robert M, eds. Essentials of Mechanical Ventilation, 4th edition, McGraw-Hill education, 2019.
3. Bram Rochwerg , Laurent Brochard, Mark W. Elliott et al. Official ERS/ATS clinical practice guidelines: noninvasive ventilation for acute respiratory failure. Eur Respir J 2017; 50: 1602426 [https://doi.org/10.1183/13993003.02426-2016].
4. Course material taught

Correlation of the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the health sector

All the topics taught in the course are exposed in the didactic and scientific materials of the discipline, monographs, handbooks, lectures, in which the latest data are taken from national and international literature, corresponding to the quota the expectations of representatives of the epistemic community, professional associations and representative employers in Health sector in the country.

How the information is transmitted	
Forms of activity	**Teaching methods used**
Course	Face-to-face interactive lecture with students assisted by video projection on screen (Power Point presentations); Teaching activities involving the presentation of a conventional and non-invasive artificial ventilation machine. Familiarisation with the most important types and modes of ventilation as well as models of the machine-patient interfaces used.
Laboratory	-

Minimum performance standard - minimum set of activities to be completed by the student on the practical / clinical internship to be admitted to the practical examination - seminar / project to be admitted to the final verification
For admission to the final assessment : • Attendance at 80% of courses taught; • Promoting periodic tests during the semester.

Consideration points for computing the final score:	**Percentage share of scoring (Total = 100%)**
- exam/check answers (final assessment)	**70%**
- regular testing through control papers / colloquia	**10%**
- attendance during the semester	**10%**
- internship notebook: homework, reports, translations, case presentation.	**10%**
Describe the practical arrangements for the final evaluation [E] : Written paper with 25 questions from the course topics. The examination lasts 2 hours. The exam will be conducted online or face-to-face depending on the evolution of the SARS-COV 2 coronavirus pandemic.	

Minimal requirements for grade 5 (or how grade 5 is awarded)	**Requirements for grade 10 (or how grade 10 is awarded)**
• Correct answer to 50% of the questions in the final written assessment or partial exposition of the course topics. • correct but partial exposition of the techniques of ventilation presented • general knowledge of the principles and techniques of ventilation • approximate knowledge and interpretation of monitoring methods and variables	• correct presentation of a clinical case, with complete and correct differential diagnosis, and correct indications for mechanical ventilation • correct and complete answers to more than 90% of the questions in the final evaluation • detailed knowledge of the manoeuvres in the ventilation techniques presented • detailed knowledge of monitoring methods and variables

Date of completion,
17.09.2022

Discipline Coordinator,
Conf. Univ. Dr. Stoica Radu

Head of Department,
Conf. Univ. Dr. Ulmeanu Dan Ioan

Course Coordinator,,
Conf. Dr. Univ. Stoica Radu

Department approval date
23.09.2022

Conf. Univ. Dr. Stoica Radu

Conf. Univ. Dr. Ulmeanu Dan Ioan

Course holder,
Conf. Dr. Univ. Stoica Radu

Date of endorsement in the department
23.09.2022