

DISCIPLINE SHEET**ACADEMIC YEAR****2022-2023****1.DATA ABOUT THE STUDY PROGRAM**

1.1 Institution of higher education	UNIVERSITY OF MEDICINE AND PHARMACY CRAIOVA
1.2 Faculty	MEDICINE
1.3 Department	6
1.4 Study domain	HEALTH
1.5 Study cycle	LICENSE
1.6 Study program/Qualification	MEDICINE

2. DATA ABOUT THE DISCIPLINE

2.1 DISCIPLINE NAME	VASCULAR SURGERY		
2.2. Discipline code	MED3111.3		
2.3 The holder of course activities	Daniela Marinescu		
2.4 The holder of seminar activities	Daniela Marinescu		
2.5. Academic Degree	Lecturer		
2.6. Employment (base norm/associate)	Base norm		
2.7. Year of study	III	2.8. Semester	I
2.9. Course type(content)			ESD
2.10. Regime of discipline(mandatory)			

3. TOTAL ESTIMATED TIME (teaching hours per semester)

3.1 Number of hours per week	1	3.2 From which - course	1	3.3 seminary/laboratory	-
3.4 Total hours in curriculum	14	3.5 From which - course	14	3.6 seminary/laboratory	-
Time found distribution(hours):					
Study by manual, course support, bibliography and notes					10
Additional documentation in the library ,specialized electronic platforms and,on the field					8
Training seminars/labs,home,work,reports,portfolios and essays					-
Tutoring					8
Examinations					2
Other activities, counselling, student scientific programs					8
3.7 Total hours of individual study	36				
3.9 Total hours per semester	50				
3.10 Number of credits	2				

4. PRECONDITIONS (wherever needed)

4.1 curriculum	-
4.2 competency	-

5. CONDITIONS (wherever needed)

5.1. of course deployment	- individual reading homework prior to course, Power Point presentation with interactive discussions, drafts of diagnostic algorithms, treatment options or surgical procedures
5.2. of seminary/lab deployment	-

6. SPECIFIC SKILLS

PROFESSIONAL COMPETENCES	<p>C1 – to identify the illness status and to establish the correct diagnosis of the disease/diseases,</p> <p>C2 – preparing and applying an adequate treatment plan for the identified condition(s).</p> <p>C3 – assessing correctly the risk of disease or the context of the occurrence of an individual/collective disease, followed by the selection and implementation of adequate prophylactic measures.</p> <p>C4 – approaching the health/ill-health issues from the point of view of the characteristics of the community, in direct relation with the social, economic and/or cultural conditions of the respective community,</p> <p>C5 – to initiate and perform scientific and/or training activity in the respective domain of competence.</p>
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TRANSVERSAL COMPETENCES	<p>CT1. Autonomy and accountability</p> <ul style="list-style-type: none"> • acquisition of moral guidelines, training of professional and civic attitudes that enable students to be fair, honest, non-confrontational, cooperative and understanding, available to help people interested in the developer community; • to know, respect and contribute to the development of moral values and professional ethics; • to learn to recognize when a problem arises and provide responsible solutions to solve them. <p>CT2. Social interaction</p> <ul style="list-style-type: none"> • recognize and have respect for diversity and multiculturalism; • have or learn to develop teamwork skills; • communicate with the team; • get involved in volunteering, knowing the essential problems of the community. <p>CT3. Personal and professional development</p> <ul style="list-style-type: none"> • to be open to lifelong learning, • to appreciate the need for individual study as the basis of personal autonomy and professional development; • to exploit to the optimum their potential and creative collective activities; • to know how to use information and communication technology.
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7. DISCIPLINE OBJECTIVES

7.1 The general objective of the discipline	The main goal of VASCULAR SURGERY, which is an optional discipline, is to help the students establish a fast and correct vascular diagnosis, as well as to provide a thorough knowledge of the most used surgical techniques in vascular pathology.
7.2 The specific objectives of the discipline	<p>Vascular Surgery, as discipline, is trying to form cognitive abilities, attitudes and skills that will allow the students to correlate the anamnesis, the clinical and paraclinic data, in order to diagnose the most frequent vascular diseases and to establish the adequate surgery for each patient.</p> <p>After taking the course, the students will be able to acquire:</p> <p>COGNITIVE ABILITIES which will allow the student</p> <ul style="list-style-type: none"> • to establish a clinical diagnosis; • to use specific paraclinical data in order to confirm the clinical diagnosis and to exclude other differential diagnosis; • to know surgical techniques applicable to each case; • to appreciate the surgical efficiency in postoperative follow-up; • to diagnose quickly postoperative complications and to know the management; • establish a positive, topographic, evolutionary gravity and etiopathogenic diagnosis in peripheral arterial disease • to recognize acute peripheral ischemia syndrome, to know the goals and means of treatment in order to save the limb; • to recognize the peripheral complications of diabetes, a rapidly growing disease; • establish a diagnosis of thromboembolic disease, know the principles and means of treatment • to establish diagnosis and therapeutic possibilities of chronic venous disease and chronic lymphatic disease • to integrate the theoretical and practical knowledge obtained at the discipline of Vascular Surgery with knowledge obtained in other disciplines and to use them for clinical instruction; • to communicate clearly, rigorously the knowledge or the obtained results. <p>ATTITUDES</p> <ul style="list-style-type: none"> • to be open, to acquiring moral guidelines, training of professional and civic attitudes that enable students to be fair, honest, non-confrontational, cooperative and understanding in the face of suffering, available to help people interested in the developer community; • to know, respect and contribute to the development of moral values and professional ethics; • learn to recognize when a problem arises and provide responsible solutions to solve them. • recognize and have respect for diversity and multiculturalism ; • have or learn to develop teamwork skills;

	<ul style="list-style-type: none"> • to communicate orally and in writing the requirements ,work method,the results obtained,to consult the results with the team; • to be involved in volunteering,to know the main problems of the community • to be open to lifelong learning • to understand the need for individual study as the basis of personal autonomy and professional development ; • exploit their potential to the optimum and creative collective activities ; • know how to use information and communication technology. • To have initiative,to involve itself in educational and scientific activities of the discipline.
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8. CONTENTS

8.1 Course (content units)		Nr ore
1.	Pathobiology-atherosclerosis,trombosis.	1
2.	Principal vascular examination.	1
3.	Peripheral artery disease-epidemiology,clinical evaluation	1
4.	Peripheral artery disease-medical treatment endovascular treatment,surgery	1
5.	Acute limb ischemia	1
6.	Thromboangiitis obliterans.Takayasu Arteritis	1
7.	Diabetic foot	1
8.	Abdominal Aortic aneurysm	1
9.	Vascular trauma	1
10.	Venous thromboembolic disease	1
11.	Chronic venous insufficiency	1
12.	Varicose veins	1
13.	Disease of lymphatic circulation	1
14.	Peripheral vascular malformations and tumors	1

BIBLIOGRAPHY

1. Rutherford's Vascular Surgery and Endovascular Therapy, 8th edition, 2015
2. Rutherford's Vascular Surgery and Endovascular Therapy, 9th edition, 2019
3. Ion Georgescu sub red. – Chirurgie generala, Ed. Medicala universitara, Bucuresti, 2015
4. Schwartz's Principles of Surgery, McGraw-Hill Education, 11th edition, 2019
5. Stoica V, Scripcariu V. – Compendiu de specialitati medico-chirurgicale, vol 1 si 2, Editura Medicala, Bucuresti, 2016

8.2 Practical work (subjects/topics)		
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BIBLIOGRAPHY		
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9. CORROBORATING THE DISCIPLINE CONTENT WITH THE EXPECTATIONS OF EPISTEMIC COMMUNITY REPRESENTATIVES, PROFESSIONAL ASSOCIATIONS AND EMPLOYEE REPRESENTATIVES RELATING TO THIS PROGRAM

<ul style="list-style-type: none"> ▪ The discipline of Vascular Surgery is an optional discipline; aims to deepen the knowledge of cardiovascular pathology accumulated in the disciplines of morphopathology, pathophysiology and surgical semiology. ▪ Vascular surgery is an important surgical branch; in development in the healthcare system in Romania due to the increasing incidence and prevalence of cardiovascular diseases. ▪ The knowledge of Vascular Surgery is important for the correct and timely diagnosis of the patient with vascular disease, for optimal and effective treatment for functional and vital rescue.
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10. METHODOLOGICAL LANDMARKS

Types of activity	Techniques of teaching / learning, materials, resources: lecture, interactive group work, workshops, etc.: In case of special situations (alert states, emergency conditions, other types of situations that limit the physical presence of people) the activity can be carried out online using computer platforms approved by the Faculty / University. The online education process will be adapted accordingly to ensure the fulfillment of all the objectives provided in the discipline sheet
Course	Lecture, debate, learn based problem

Individual study	Before each lecture and each practical work
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11. RECOVERY PROGRAM

	No. absences that can recover	Place of deployment	Period	In charge	Scheduling of topics
Absences recoveries	3	1 st Surgery Department	The last week of the semester	Lecturer of the theme	According to the internal scheduling
Schedule consultations / Students' Scientific Circle	1 hours/week	1 st Surgery Department	Weekly	Lecturer of the course	The weekly theme of the lecture
Program for students poorly trained	1 hours/week	1 st Surgery Department	Weekly	Lecturer of the course	according to each student's situation

12. ASSESMENT

Type of activity	Type of assessment	Methods of evaluation	Percentage from final grade
Lecture	Formative assessment through debates and surveys during the semester Summative assessment during the exam	Multiple Choice Questions Answering System (MCQ)/MCQ with the help of the IT platform in the online version.	90%
Clinical stage	Periodic assessment during the semester Summative assesment during the exam	Clinical evaluation simultaneously with the MCQs / with the help of the video platform in the online version.	
Periodic assessment of individual activity			10%
Minimum performance standard			At least 50% for each component of the evaluation

13. GUIDANCE AND COUNSELLING PROGRAMS

Professional guidance and counselling programs (2 hours/monthly)

Scheduling the hours	Place of deployment	In charge
Every first Friday of the month	1st Clinical Surgery	Lecture holders

Endorsement date in the department: 27.09.2022

Department Director,
Prof. Valeriu SURLIN

Coordinator of study program,
Prof. Marius Eugen CIUREA

Discipline holder,
Lecturer Daniela MARINESCU