

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

1.1 Institution of higher education	UNIVERSITY OF MEDICINE AND PHARMACY OF CRAIOVA
1.2 Faculty	<b>MEDICINE</b>
1.3 Department	7
1.4 Study Domain	HEALTH
1.5 Study cycle	LICENCE
1.6 Study program/ Qualification	MEDICINE

**2. DATA ABOUT THE DISCIPLINE**

2.1 DISCIPLINE NAME	<b>PLASTIC SURGERY AND RECONSTRUCTIVE MICROSURGERY</b>		
2.2. Discipline code	MED4204		
2.3 The holder of course activities	PROF. MARIUS CIUREA, LECTURER. MERCUT RAZVAN;		
2.4 The holder of seminar activities	LECTURER POPA DRAGOS; LECTURER. MERCUT RAZVAN; ASIST. PARVANESCU VLAD		
2.5. Academic degree	PROF./ASSOC.PROF./LECTURER/ASISTANT PROF.		
2.6. Employment (base norm/associate)	base norm		
2.7. Year of study	<b>IV</b>	2.8. Semester	<b>II</b>
		2.9. Course type (content)	<b>CSD</b>
		2.10. Regime of discipline (compulsoriness)	

**3. THE ESTIMATED TOTAL TIME (teaching hours per semester)**

3.1 Number of hours per week	<b>4</b>	3.2 From which course	<b>2</b>	3.3 seminary/laboratory	<b>2</b>
3.4 Total hours in curriculum	<b>56</b>	3.5 From which course	<b>28</b>	3.6 seminary/laboratory	<b>28</b>
Time found distribution (hours)					
Study from manual, course support, bibliography, and notes					<b>18</b>
Additional documentation in the library, specialized electronic platforms and, on the field					<b>12</b>
Training seminars / labs, homework, reports, portfolios, and essays					<b>11</b>
Tutoring					<b>8</b>
Examinations					<b>10</b>
Other activities, counselling, student scientific programs					<b>10</b>
3.7 Total hours of individual study	<b>69</b>				
3.9 Total hours per semester	<b>125</b>				
3.10 Number of credits	<b>5</b>				

**4. PREREQUISITES (where appropriate)**

4.1 curriculum	Students must have a solid knowledge of anatomy and physiology
4.2 competency	

**5. CONDITIONS (where appropriate)**

5.1. of course deployment	Lecture Hall with projector / online
5.2. of seminary/ lab deployment	Plastic Surgery Department / online

**6. SPECIFIC COMPETENCES ACCRUED**

<b>PROFESSIONAL COMPETENCES</b>	C1 – To identify the disease and to establish the correct diagnosis of different eye diseases/disorders
	C2 - Preparing and applying an adequate treatment plan for the identified condition(s).
	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.
	C4 - To approach health/disease issues from the community specifics perspective, directly related to the social, economic and/or their cultural collectivities conditions
	C5 – To initiate and to develop a scientific and/or formative research activity in their competence field

<b>TRANSVERSAL COMPETENCES</b>	<b>CT1. Autonomy and responsibility</b>
	<ul style="list-style-type: none"> <li>the acquisition of moral reference points, the formation of professional and civic attitudes, that will allow to the students to be fair, honest, helpful, understanding, nonconflictual, to cooperate and to be comprehensive in the face of suffering, to be available to help people, and to be interested in community development;</li> <li>to know, to respect and to contribute to the development of moral values and professional ethics;</li> <li>to learn how to recognize the problems when they arise, and provide solutions for solving them.</li> </ul>
	<b>CT2. Social interaction</b>
	<ul style="list-style-type: none"> <li>to recognize and to have respect for diversity and multiculturalism;</li> <li>to have or to learn how to develop teamwork skills;</li> <li>to communicate orally and in writing the manner of work requirements, the obtained results, to consult with the team;</li> <li>to engage themselves in voluntary activities, to know the essential problems of the community.</li> </ul>
	<b>CT3. Personal and professional development</b>
	<ul style="list-style-type: none"> <li>to have opening to lifelong learning,</li> <li>to be aware for self-study as a basis of personal autonomy and professional development;</li> <li>to derive the optimum and creative potential in their own collective activities;</li> <li>to know how to use information and communication technologies.</li> </ul>

### 7. DISCIPLINE OBJECTIVES (based on the grid of specific competences acquired)

7.1 The general objective of the discipline	Acquiring knowledge about specific pathology of plastic surgery and burn department. <ul style="list-style-type: none"> <li>Accumulation of knowledge required for clinical diagnosis in plastic surgery.</li> <li>Learning optimal examination conditions.</li> <li>Assimilation of basic therapeutic concepts in the pathology of plastic surgery.</li> </ul>
7.2 The specific objectives of the discipline	Learning to perform accurate and complete medical history in plastic surgery pathology <ul style="list-style-type: none"> <li>Correct correlation of clinical data with laboratory results</li> <li>Evaluation of diagnostic and treatment</li> <li>Formulate proper therapeutic management.</li> </ul>

### 8. CONTENTS

8.1 Course (content units)	Hours
1. Brief history of plastic surgery. Burns – introduction.	2
2. Thermal burns - Etiology, Pathophysiology, Classification.	2
3. Thermal burns - Diagnosis and treatment.	2
4. Chemical burns and electric burns - Etiology, diagnosis and treatment.	2
5. Healing and wound care. General notions about coating flaps.	2
6. Injuries to the hand and forearm. Etiology. Classification. Management of hand and forearm injuries. Anesthesia in hand surgery.	2
7. Bone and joint injuries. Anatomy of the hand and forearm	2
8. Tendon injuries to the hand and forearm. Nerve injuries to the hand and forearm.	2
9. Compartment syndrome. Diagnosis and treatment. Complications. Congenital malformations of the upper limb.	2
10. Acute infections of the hand and fingers. Nerve compression syndromes. Tumors in the hand.	2
11. Notions of reconstructive surgery in specific anatomical areas.	2
12. Melanoma. Non-melanocytic skin tumors.	2
13. Notions of microsurgery. Decubitus beds. Diagnostic. Treatment. Complications.	2
14. Notions of ethics in plastic surgery. Notions of cosmetic surgery.	2
<b>TOTAL</b>	<b>28</b>
<b>BIBLIOGRAPHY</b>	
1. Marius T. Ciurea, Horia Pârvănescu CURS DE CHIRURGIE PLASTICĂ, Editura Medicală Universitară Craiova, 2013; pagini 163; ISBN978-973-160-198-6 2. Herndon, David N. <i>Total Burn Care</i> . Elsevier, 2018. 3. Green, David P., et al. <i>Green's Operative Hand Surgery</i> . Elsevier, 2017. 4. Gurtner, Geoffrey. <i>Plastic Surgery: Volume 1: Principles</i> . Elsevier Science, 2018. 5. Rodriguez, Eduardo, Joseph Losee, and Peter Neligan. <i>Plastic Surgery</i> . Vol. 3. Elsevier Saunders, 2018. Print. 6. SONG, DAVID H. <i>PLASTIC SURGERY: Lower Extremity, Trunk and Burns</i> . ELSEVIER, 2018. Print. 7. Chang, James. <i>PLASTIC SURGERY: Hand and Upper Extremity</i> . ELSEVIER, 2018. Print. 8. Ciurea M. E.. <i>Chirurgie Plastica</i> . Editura Medicala universitara, 2020	
<b>8.2 Practical work (topics / themes)</b>	
1. First aid in thermal, chemical and electrical burns	3
2. Burns – classification, treatment	3
3. First aid in closed trauma of hand and forearm	3

4. First aid in open trauma of hand and forearm	3
5. Injuries of nerves and tendons – hand and forearm – clinical diagnosis and treatment	3
6. Hand fractures – clinical diagnosis and treatment	3
7. Congenial malformations of hand	2
8. Infections of fingers and hand - clinical diagnosis and treatment	4
9. Extensive infection of skin - clinical diagnosis and treatment	2
10. Bandage of hand and forearm – technique	2
<b>TOTAL</b>	<b>28</b>

#### BIBLIOGRAPHY

1. **1** Marius T. Ciurea, Horia Pârvănescu CURS DE CHIRURGIE PLASTICĂ, Editura Medicală Universitară Craiova, 2013; pagini 163; ISBN978-973-160-198-6
2. Herndon, David N. *Total Burn Care*. Elsevier, 2018.
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5. Rodriguez, Eduardo, Joseph Losee, and Peter Neligan. *Plastic Surgery*. Vol. 3. Elsevier Saunders, 2018. Print.
6. SONG, DAVID H. *PLASTIC SURGERY: Lower Extremity, Trunk and Burns*. ELSEVIER, 2018. Print.
7. Chang, James. *PLASTIC SURGERY: Hand and Upper Extremity*. ELSEVIER, 2018. Print.
8. Ciurea M. E.. *Chirurgie Plastica*. Editura Medicala universitara, 2020

#### 9. CORROBORATING THE DISCIPLINE CONTENT WITH THE EXPECTATIONS OF EPISTEMIC COMMUNITY REPRESENTATIVES, PROFESSIONAL ASSOCIATIONS AND EMPLOYEE REPRESENTATIVES RELATING TO THIS PROGRAM

- Learning therapeutic maneuvers in plastic surgery
  - Correct evaluation of burn injuries depending on the surface and depth
  - Correct evaluation of traumatic injuries of the hand and forearm
  - Perform specific emergencies maneuvers for plastic surgery and burns
- Have basic knowledge in the organization and operation of plastic surgery clinics.

#### 10. METHODOLOGICAL LANDMARKS

Types of activity	Techniques of teaching / learning materials and resources:
Course	Use these combined methods: <b>lecture, debate, questioning</b>
Practical work	That these combined methods is used: <b>practical applications, case study, projects</b>
Individual study	Before each course and each practical work
	In case of special situations (alert states, emergencies, 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.

#### 11. RECOVERY PROGRAM

	No. absences that can recover	Location of deployment	Period	In charge	Scheduling of topics
Absences recoveries	3	Plastic Surgery Department	- In the same week with another group at the same university framework - The last two weeks of semester for absences motivated	Assistant Group	Chronologically, 2 themes/day
Schedule consultations / Students' Scientific Program	2 hours / week / teacher	Plastic Surgery Department	Weekly	All teachers	Theme from that week
Program for students poorly trained	2 hours / week	Plastic Surgery Department	Weekly	All teachers	Theme from that week

#### 12. ASSESMENT

Activity	Types of assesment	Method of evaluation	Percentage from final grade
Lecture	Formative assesment through	Multiple Choice Questions Answering System	80%

	essays, projects and surveys during the semester Summative assesment during the exam	(MCQ)/MCQ with the help of the IT platform in the online version.	
<b>Practical work</b>	Formative assesment through Multiple Choice Questions Answering System (MCQ) or/and descriptive, projects, survey during the semester. Periodic assesment during the semester Summative assesment during the exam	Multiple Choice Questions Answering System (MCQ) simultaneously with the one from the course / with the help of the video platform in the online version.	20%
<b>Periodic assesment</b>			
<b>Assement of individual activities</b>			
<b>Minimum performance standard</b>			At least 50% for each component of the evaluation
<b>13. GUIDANCE AND COUNSELLING PROGRAMS</b>			
<b>Professional guidance and counselling programs (2 hours/monthly)</b>			
<b>Scheduling the hours</b>	<b>Location</b>	<b>In charge</b>	
Last Friday of each month	Plastic Surgery Department / online	Lecture holders	

Endorsement date in the department: 30.09.2022

**Department Director,  
Prof. Luminița CHIUȚU**

**Coordinator of study program,  
Prof. Marius Eugen CIUREA**

**Discipline holder,  
Prof. Marius Eugen CIUREA**