

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	MEDICINE
1.3 Department	3
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		RECOVERY AND PHYSICAL MEDICINE			
2.2. Discipline code		MED6206			
2.3 The holder of course activities		Rogoveanu Otilia/ Bumbea Ana-Maria			
2.4 The holder of seminar activities		Rogoveanu Otilia/ Bumbea Ana-Maria			
2.5 Academic degree		Course: University Professor/ Lecturer Seminar activities: University Professor/ Lecturer			
2.6. Employment (base norm/associate)		Base norm			
2.7. Year of study	VI	2.8. Semester	II	2.9. Course type (content)	CSD
2.10. Regime of discipline (compulsoriness)					

3. TOTAL ESTIMATED TIME (teaching hours per semester)

3.1 Number of hours per 2 weeks	2	3.2 From which course	1	3.3 seminary/laboratory	1
3.4 Total hours in curriculum	28	3.5 From which course	14	3.6 seminary/laboratory	14
Time found distribution (hours)					
Study by manual, course support, bibliography, and notes					15
Additional documentation in the library, specialized electronic platforms and on the field					15
Training seminars / labs, homework, reports, portfolios, and essays					5
Tutoring					2
Examinations					3
Other activities, counselling, student circles					7
3.7 Total hours of individual study	47				
3.9 Total hours per semester	75				
3.10 Number of credits	3				

4. PREREQUISITES (where appropriate)

4.1 curriculum	Basic knowledge of anatomy, physiology, biomechanics and pathophysiology of neuro-musculoskeletal system. Diagnosis and treatment in the pathology of the neuro-musculoskeletal system.
4.2 competency	General clinical examination of the patient with neuro-musculoskeletal pathology

5. CONDITIONS (where appropriate)

5.1. of course deployment	- 2 hour/2 weeks in Lecture Hall with projector / online
5.2. of seminary/ lab	- 2 hour/2 weeks in Lecture Hall with projector / Rehabilitation Department of SCJUC / Neuropsychiatry Hospital / online - Mandatory presence

6. SPECIFIC COMPETENCES ACQUIRED

PROFESSIONALI COMPETENCIES	C1. Understanding, assessing and using the concept of disability; C2. Understanding international and European documents related to the concept of disability: ICF, WHO Classification of Functioning, Disability and Health, World Disability Report, Convention on the Rights of Persons with Disabilities; C3. Domain of competence of the Physical Medicine and Rehabilitation specialty: central and peripheral neurological diseases, musculoskeletal, orthopedic, cancer, children, elderly; C4. Specific interventions and procedures of the Physical Medicine and Rehabilitation: infiltrations, physiokinotherapy, balneoclimatotherapy etc. C5. Developing professional projects using principles and methods in the field
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COMPETENȚE TRANSVERSALE	<p>CT1. Autonomy and responsibility</p> <ul style="list-style-type: none"> - acquiring moral marks, forming professional and civic attitudes, allowing students to be fair, honest, nonconflicting, cooperative, understanding of suffering, available to help people interested in community development; - to know, to respect and to contribute to the development of moral values and professional ethics; - learn to recognize a problem when it emerges and provide solutions that are responsible for solving it. <p>CT2. Social interaction</p> <ul style="list-style-type: none"> - Understanding the concept of multidisciplinary in the Physical Medicine and Rehabilitation specialty - Understanding social and environmental aspects in assessing disability; - to recognize and respect for diversity and multiculturalism; - to have or learn to develop their teamwork skills; - to communicate orally and in writing the requirements, the way of working, the results obtained, to consult with the team; - to engage in volunteering, to know the essential issues of the community. <p>CT3. Personal and professional development</p> <ul style="list-style-type: none"> - Effective use of information sources and communication resources and assisted professional training (Internet portals, specialized database software applications, on-line courses, etc.) both in Romanian and in an international language. - to have openness to lifelong learning, - to become aware of the need for individual study as a basis for personal autonomy and professional development; - to optimally and creatively utilize their own potential in collective activities;
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7. DISCIPLINE OBJECTIVES (based on the grid of specific competences acquired)

7.1 The general objective of the discipline	Understanding the philosophy and principles of the Physical Medicine and Rehabilitation specialty: Disability, ICF-WHO, World Disability Report, White Paper of the Specialty in Europe; Applying the principles of the rehabilitation medicine specialty in the fields of competence of the specialty; Particularities of Physical Medicine and Rehabilitation specialty in Romania.
7.2 The specific objectives of the discipline	Clinical, functional, neurophysiological assessment, kinesiology, gait and balance assessment; Main interventions and specific procedure - Physical Medicine and Rehabilitation in musculoskeletal disorders; - Physical Medicine and Rehabilitation in central and peripheral nervous system disorders: AVC, SCI, TBI, etc - Physical Medicine and Rehabilitation in other degenerative conditions of disability

8. CONTENTS

8.1 Course (content units)	Hours
Introduction. Definition. Short history. Natural and physical agents; Balneotherapy and its roll in medical rehabilitation	2
Hidrothermotherapy and Electrotherapy. Principle of Kinetotherapy and roll of massage in medical rehabilitation.	4
Clinical, functional assessment and medical rehabilitation in patient with rheumatologic disease.	2
Medical rehabilitation in patient with posttraumatic and orthopaedic disease in upper and lower limbs.	2
Medical rehabilitation in patient with spinal cord pathology.	2
Medical rehabilitation in patient with neurological disease.	2
BIBLIOGRAPHY	
1. Rogoveanu Otilia, Medicină fizică și reabilitare medicală, Ed. Medicală Univ. Craiova, 2020;	
2. Course;	
3. Braddom R. Medicină Fizică și de Reabilitare ediția a 6-a Ed Elsevier, 2020;	
4. Sbenghe T.,Berteanu M.,Savulescu S., Kinetologie,Editura Medicala, 2019;	
5. DeLisa's Physical Medicine and Rehabilitation: Principles and Practice, ediția a 6-a, Ed. Lippincott Williams and Wilkins, 2019;	
6. Raj Mitra, Principles of Rehabilitation Medicine ediția 1, Ed. McGraw-Hill Education 2019;	
8.2 Practical work (topics / themes)	Hours
Presentation of the team and treatment base, including specific procedures in Physical Medicine and Rehabilitation (Electrotherapy, Kinetotherapy, Hydrokinetotherapy, Massage, Thermotherapy, etc.)	2
Clinical and functional evaluation of the patient	2
Case presentations - patient with rheumatologic disease	2
Case presentations – patient with posttraumatic and orthopaedic disease in upper and lower limbs	2

Case presentations - patient with other spine cord pathology.	2
Case presentation - patient with neurological disease.	2
Imagistic exploration in Physical Medicine and Rehabilitation - radiography, tomography, nuclear magnetic resonance, musculoskeletal ultrasound, DXA osteodensitometry. Electrodiagnostic in Physical Medicine and Rehabilitation	2
BIBLIOGRAPHY	
<ol style="list-style-type: none"> 1. Rogoveanu Otilia, Medicină fizică și reabilitare medicală, Ed. Medicală Univ. Craiova, 2020; 2. Presentations and protocols from the practical works; 3. Braddom R. Medicină Fizică și de Reabilitare ediția a 6-a Ed Elsevier, 2020; 4. Sbenge T.,Berteanu M.,Savulescu S., Kinetologie,Editura Medicala, 2019; 5. DeLisa's Physical Medicine and Rehabilitation: Principles and Practice, ediția a 6-a, Ed. Lippincott Williams and Wilkins, 2019; 6. Raj Mitra, Principles of Rehabilitation Medicine ediția 1, Ed. McGraw-Hill Education 2019; 	

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

The content of the discipline aims at acquiring by the students the knowledge necessary to treat the patient with motor disabilities.

10. METHODOLOGICAL LANDMARKS

Types of activity	Teaching Techniques / learning materials and resources:
Course	Power point presentation, case study, debates directly and/or online.
Practical work	demonstration, practical applications, problem solving, heuristic conversation directly and/or online
Individual study	22 hours of individual study and practice. For the online version: lecture, debate, problematization based on materials provided in advance.
"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 appropriate to ensure the fulfillment of all the objectives provided in the discipline file. "	

11. RECOVERY PROGRAM

	No. absences that can recover	Place of deployment	Period	In charge	Scheduling of topics
Absences recoveries	3	Rehabilitation Department of SCJUC / Neuropsychiatry Hospital / online	Every Friday of semester at 9 am	Prof.Univ.Dr. Rogoveanu Otilia, Șef lucr. dr. Bumbea Ana-Maria	In accordance with the theme presented
Schedule consultations / Students' Scientific Circle	4h/month	Rehabilitation Department of SCJUC /Neuropsychiatry Hospital / online	Weekly	All teachers	In accordance with the theme presented and subject of final dissertations
Program for students poorly trained	1h/week	Rehabilitation Department of SCJUC / Neuropsychiatry Hospital / online	Every Friday of semester at 9 am	Prof.Univ.Dr. Rogoveanu Otilia, Șef lucr. dr. Bumbea Ana-Maria	In accordance with the theme presented

12. ASSESMENT

Form of activity	Types of assesment	Methos of evaluation	Percentage of final grade
Course	Formative assesment through essays, projects and surveys during the semester Summative assesment during the exam	Multiple Choice Questions Answering System (MCQ)/MCQ with the help of the IT platform in the online version.	80%
Practical work	Formative assesment through Multiple Choice Questions	Multiple Choice Questions Answering System (MCQ) simultaneously with the one from the	20%

	Answering System (MCQ) or/and descriptive, projects, survey during the semester. Periodic assesment during the semester Summative assesment during the exam	course / with the help of the video platform in the online version.	
Periodic checks			
Attendance of the course	Mandatory		
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
2h/month	Rehabilitation Department of SCJUC / online		Prof. Univ. Rogoveanu Otilia

Endorsement date in the department: 28.09.2022

**Department Director,
Prof. Cristin VERE**

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

**Discipline holder,
Prof. Otilia ROGOVEANU**