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	5
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	NEUROLOGY				
2.2. Discipline code	MED5105.1				
2.3 The holder of course activities	Carmen Valeria Albu/ Oana Alexandru/ Denisa Floriana Vasilica Pîrşcoveanu.				
2.4 The holder of seminar activities	Carmen Valeria Albu/ Oana Alexandru/ Denisa Floriana Vasilica Pîrşcoveanu/ Laurenţiu Ene/ Târtea Anca Elena				
2.5.Academic degree	Assist. Prof/ Lecturer / Lecturer/ Assistant/ Assistant				
2.6. Employment (base norm/associate)	Base norm				
2.7. Year of study	V	2.8. Semester	I	2.9. Course type (content) 2.10. Regime of discipline (compulsoriness)	CSD

3. TOTAL ESTIMATED TIME (teaching hours per semester)

3.1 Number of hours per week	5,5	From which: 3.2 course	2,5	3.3seminary/laboratory	3
3.4 Total hours in curriculum	77	From which: 3.5 course	35	3.6seminary/laboratory	42
Time found distribution (hours)					
Study by manual, course support, bibliography, and notes					23
Additional documentation in the library, specialized electronic platforms and on the field					18
Training seminars / labs, homework, reports, portfolios and essays					17
Tutoring					-
Examinations					10
Other activities, counseling, student scientific programs					5
3.7 Total hours of individual study	73				
3.9 Total hours per semester	150				
3.10 Number of credits	6 (from 7)				

4. PREREQUISITES (where appropriate)

4.1 curriculum	The students must have general background knowledge of the anatomy of the nervous system and cell biology
4.2 competency	Not necessary

5. CONDITIONS (where appropriate)

5.1. of course deployment	Lecture hall with projector/ online
5.2. of seminary/ lab deployment	Clinical Neuropsychiatry Hospital Craiova – Clinic of Neurology/ online

6. SPECIFIC COMPETENCES ACCRUED	
PROFESSIONAL COMPETENCES	C1 – To identify the disease and to establish the correct diagnosis of the condition (disease). C2 – To generate and to implement an adequate treatment plan for the identified disease; C3 – To assess the risk of the disease followed by the selection and implementation of adequate preventive measures.
TRANSVERSAL COMPETENCES	CT1 - Autonomy and responsibility -to know, to respect and to contribute to the development of moral values and professional ethics -to learn how to recognize the problems when they arise and to provide solutions for solving them CT2 - Social Interaction -to recognize and have respect for diversity and multiculturalism -to have or to learn how to develop teamwork skills -to engage themselves in voluntary activities, to know the problems of the community CT3 - Personal and professional development -to have opening to lifelong learning -to be aware for self-study as a basis of the professional development -to know how to use information and communication technologies

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

7.1 The general objective of the discipline	The goal of Neurology Discipline is to provide fifth year students the informational and logistical support to understand the most important aspects of the neurological pathology. We wish to instill to our students the curiosity to explore in the following years the physiopathological mechanisms and therapy of neurological diseases
7.2 The specific objectives of the discipline	7.2.1. COGNITIVE ABILITIES AND PRACTICAL SKILLS To recognize the signs and the symptoms of the neurological diseases To locate the topography of the lesions of the nervous system To formulate the differential diagnosis To know the principles of the treatment in some neurological diseases 7.2.2. ATTITUDES 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 and have not a conflictive attitude, to cooperate and to be comprehensive in the face of suffering. To have the opening for lifelong learning To know how to use information and technologies

8. CONTENTS

8.1 Course (content units)	No. Hours

C.1.Upper motor neuron syndrome: general clinical signs, hemiplegia: topographic diagnosis, etiology, paraplegia: topographic diagnosis, etiology	2,5
C.2. Lower motor neuron syndrome: general clinical signs, peripheral nerves palsies: clinical signs, etiology, polyneuropathy: clinical signs, etiology, brachial and lumbo-sacral plexus palsies: clinical signs, etiology	2,5
C.3. Cortical syndromes: clinical signs, etiology	2,5
C:4. Spinal cord syndromes and disorders of coordination: clinical signs, etiology	2,5
C.5. Cranial nerves: clinical signs, etiology	2,5
C.6. Muscle diseases: muscular dystrophies, myasthenia gravis, myotonia, polymyositis (ethiopathogeny, clinical signs, treatment)	2,5
C.7. Epilepsy: etiology, clinical approach, treatment	2,5
C.8. Extrapyramidal syndromes: Parkinson's disease, Huntington disease, Wilson disease (ethiopathogeny, clinical signs, treatment)	2,5
C.9. Ischemic stroke: classification, vascular territory, clinical signs, investigations, treatment	2,5
C.10. Hemorrhagic stroke: classification, clinical signs, investigations, treatment	2,5
C.11. Dementia: Alzheimer disease, fronto-temporal dementia, vascular dementia: clinical signs, treatment	2,5
C.12. Headaches: migraine, trigeminal neuralgia: clinical signs, treatment	2,5
C.13. Demyelinating and inflammatory diseases: multiple sclerosis (ethiopathogeny, clinical signs, treatment) Neuromyelitis Optica (clinical signs, treatment), acute demyelinating encephalomyelitis (clinical signs, investigations, treatment)	2,5
C. 14. Neurodegenerative diseases: Friedreich disease, amyotrophic lateral sclerosis (clinical signs, treatment)	2,5

BIBLIOGRAPHY

BOOK DES ECN sub redacţia Laurent Karila, ediţia în limba română, Editura Medicală Universitară "Iuliu Haţieganu" Cluj-Napoca

Adams and Victor's Principles of Neurology, Tenth Edition 2014- Allan Ropper, Martin Samuels (traducerea în limba română sub coordonarea Prof. Univ. Dr. Băjenaru O, editura Callisto București 2017)

Neurologie integrală - Hufschmidt A., Editura Polirom 2002

Course of the Neurology discipline

8.2 Practical work (topics / themes)	No Hours
LP.1. How to perform the clinical history from the patient	3
LP.2. Test of muscular tone and strength: to perform and interpret the appropriate neurological maneuver (Mingazzini, Barre, Fischer, Noica)	3
LP.3. Test of coordination and reflex function (biceps, triceps, supinator, knee, ankle, cutaneous-abdominal, cutaneous plantar reflexes)	3
LP.4. Test of sensory function: sense of touch, pain, thermal sense, proprioceptive sense, discriminative sensory functions	3
LP.5. Tests for cranial nerves	3
LP.6. Tests for language: spontaneous speech, automatic speech, repeated speech, drawing, calculation, caring out an order, reading	3
LP.7. Tests for consciousness and mental status: Glasgow Coma Scale, MMSE	3
LP.8. Case presentation: stroke	3
LP.9. Case presentation: dementia	3
LP.10. Case presentation: Parkinson's Disease	3

LP.11. Case presentation: peripheral nerve palsy	3
LP.12. Case presentation: multiple sclerosis	3
LP.13. Case presentation: comatose patient	3
LP.14. Recapitulation, absences recoveries	3

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Neurologie integrală - Hufschmidt A., Editura Polirom 2002

Neurologie – lucrări practice, Pîrscoveanu Denisa, Pirici Ionica, Tudorică Valerica, Bălșeanu Tudor Adrian, Carmen Albu, Zaharia Cornelia, Cătălin Bogdan Taisescu Oana, Stovicek Puiu Olivian, Ed. Sitech, 2017.

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

The discipline is mandatory and necessary for a student to become a medical doctor. The knowledge and practical skills learned on this discipline are offering to the students the basics of the neurological examination and the capacities of understanding the mechanisms and therapeutic possibilities of the neurological pathology.

10. METHODOLOGICAL LANDMARKS

Types of activity	Techniques of teaching / learning materials and resources: lecture, interactive work group, learning based problems/ projects audio-video recording, etc.
Course	In case of special situations (alert states, emergency conditions, and other types of situations that limit the physical presence of students) the activity can be carried out online, using computer platforms approved by the faculty / university. The online education process will be adapted to ensure the fulfillment of all the objectives set out in the discipline sheet.
Practical work	The following combinate methods are used: lecture, debase, problematization.
Self-study	For the online version: lecture, debase, problematization based on materials provided in advance.

11. RECOVERY PROGRAM

Absences recoveries	No. absences that can recover	Place of deployment	Period	In charge	Scheduling of topics
	3	Clinic of Neurology/ online	In the last week of the semester	Assistant	Chronologically, 2 themes/day
Schedule consultations / Students' Scientific Circle	2 hrs /week/ teacher	Clinic of Neurology/ online	Weekly	All teachers	The topic of the respective week

Program for students poorly trained	2 hrs/week	Clinic of Neurology/ online	Weekly	All teachers	The topic of the respective week

12. ASSESMENT

Activity	Types of assessment	Methods of evaluation	Percentage from final grade
Lecture	Formative assessment through essays and summative during the exam	Multiple choice questions answering system with the help of IT platform in online version	75%
Practical work	Periodic assessment during the semester and summative during the exam	Multiple choice questions answering system simultaneously with the one from the course/with the help of IT platform in online version	25%
Minimum performance standard	At least 50% for each component of the evaluation		

13. GUIDANCE AND COUNSELLING PROGRAMS

Professional guidance and counseling programs (2 hours/monthly)		
Scheduling the hours	Place of deployment	In charge
The last Fridays of a month	Clinic de Neurology/online	Lecturer holders

Endorsement date in the department: 29.09.2022

Department Director,
Assist. Prof. Kamal Kamal Constantin

Coordinator of study program,
Prof. Marius Eugen CIUREA

Discipline holder,
Assist. Prof. Carmen Valeria Albu