Sveučilište u Rijeci • University of Rijeka

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Table 2

3.2. Course description

Basic description		
Course coordinator	**Doc. dr. sc. Mira Bučuk**	
Course title	**Neurophysiotherapy**	
Study programme	**Physiotherapy graduated study**	
Course status	compulsory	
Year	**2.**	
ECTS credits and teaching	ECTS student 's workload coefficient	9
	Number of hours (L+S)	30 + 30 +60

1. COURSE DESCRIPTION

1.1. Course objectives

Course objectivities of neurophysiotherapy: the improvement of already acquired theoretical knowledge and practical skill improvement in subjects Neurology, acquiring new knowledge about the causes and clinical presentation of neurological disease and the possibilities and methods of rehabilitation patients. The task of the course is through lectures, seminars and exercises provide students with better and quality education. Upon completion it is expected that the participants of the course knowledge and skills can be effectively used for the purpose of quality rehabilitation.

1.2. Course enrolment requirements

There are no course enrolment requirements.

1.3. Expected course learning outcomes

General competencies (skills): Upon completion of the course Neurofizioterapija expected that the student:
identifies the causes of certain neurological diseases
understand the pathophysiology of cerebrovascular origin, and the degenerative neuromuscular disease
master the art of patient access to neurological
master the skill of a neurological examination of patients
gain knowledge about the disease that does not necessarily require rehabilitation treatment, but that will be encountered (migraine, epilepsy, dementia, myasthenia gravis)
recognizes certain forms of qualitative and quantitative disorders of consciousness (including vegetative state) and method of access and communication with such patients
gain knowledge about how medications treatment of neurological diseases

Development of specific competences (knowledge and skills).
In the Laboratory for elektromioneurografiju students will learn in any way detect damage of peripheral and spinal nerves, muscle disease, how it is done neurografija and how to recognize the demyelinating and axonal damage to peripheral nerves, as it follows the recovery of the nerves, as recognized by denervation and reinervacija.
The Laboratory of evoked potentials will learn how to examine, interpret, what they visual, auditory and somatosensory potentials.

1.4. Course content

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Quality and quantitative disorders of consciousness. Cerebral circulation and cerebrovascular diseases. Symptoms and outcome of stroke. Extrapyramidal system diseases. Migraine. Epileptic seizures, how to recognize them. The clinical picture of motor dementia. .Ethiology and symptoms of myasthenia and muscular gravis. Miopathia. Ethiology and pathophysiological mechanisms of neuropathic diseases..Clinical picture of acute and chronic (genetic) neuropathies. Disorders of the spinal nerves. Compressive neuropathy and peripheral nerve injury of the upper and lower extremities. Medical therapy of neurological diseases. Neurophysiology: evoked brain potentials and electromyoneurography

1.5. Teaching methods	☐ x lectures ☐ x seminars and workshops ☐ exercises ☐ long distance education ☐ fieldwork	☐ x individual assignment ☐ x multimedia and network ☐ laboratories ☐ mentorship ☐ other

1.6. Comments	

1.7. Student's obligations

Regular attendance to lectures and seminars. Preparation of the course content to be discussed during seminars and practicals.

1.8. Evaluation of student's work

Course attendance	5%	Activity/Participation	10%	Seminar paper	15%	Experimental work	
Written exam	15%	Oral exam	15%	Essay		Research	
Project		Sustained knowledge check	40%	Report		Practice	
Portfolio							

1.9. Assessment and evaluation of student's work during classes and on final exam

Evaluation would be performed according the actual Rules on studies of University of Rijeka (approved by the Senat) and the Faculty of medicine (approved by the Faculty council). In this system, the overall students' outcome is made up 70% of their achievement during the course itself and 30% of the success in the final exam.

Achievements during the course will be evaluated by: a) sustained knowledge check (partial tests, partial exams and other activities in classes), b) activity during the course, c) seminar paper or presentation, d) course attendance

1.10. Assigned reading (at the time of the submission of study programme proposal)

1. Brinar, V. i suradnici. Neurologija za medicinare,Zagreb: Medicinska naklada, 2009.
2. Demarin V (ur.). Priručnik iz neurologije. Bjelovar: Prosvjeta, 1998.
   Demarin V.i Trkanjec. Neurologija.Zagreb.Medicinska naklada.2008

1.11. Optional / additional reading (at the time of proposing study programme)

1. Demarin V (ur.). Moždani krvotok klinički pristup. Zagreb: Naprijed, 1994.
2. elektronički mediji: PubMed,Embase,Cohraine Library,Web of Science(WOS),Current Index to Nursing and Allied Health Literature (CINAHL)

1.12. Number of assigned reading copies with regard to the number of students currently attending the course

Title	Number of copies	Number of students

1.13. Quality monitoring methods which ensure acquirement of output knowledge, skills and competences

1. **Conducting student surveys and evaluation of results.** At the end of each course student surveys will be conducted to evaluate the quality of teaching and teachers who participate in the delivery of the course with more than 30%. Evaluation procedures are systematically carried out by Teaching Quality Assurance Committee at our Faculty.
2. **Analysis of the results achieved at exams.**
3. **The mentor system.** Each student group is assigned a mentor who follows the students throughout the course.

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