



Univerza v Mariboru
University of Maribor

Medicinska fakulteta
Faculty of Medicine



UČNI NAČRT PREDMETA / SUBJECT SPECIFICATION

Predmet:	Fizikalna in rehabilitacijska medicina
Subject Title:	Physical and Rehabilitation Medicine

Študijski program Study programme	Študijska smer Study field	Letnik Year	Semester Semester
Splošna medicina General medicine - EMŠP		4	7

Univerzitetna koda predmeta / University subject code:

Predavanja Lectures	Seminar Seminar	Sem. vaje Tutorial	Klin. vaje Clin work	Teren. vaje Field work	Samost. delo Individ. work	ECTS
15	15		15		45	3

Nosilec predmeta / Lecturer: Red. prof. dr. Zmago TURK

Jeziki / Languages: Predavanja / Lecture: Slovensko/Slovene
Vaje / Tutorial: Slovensko/Slovene

Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:

Prerequisites:

Vsebina:

Študenta seznanimi z osnovnimi informacijami iz fizikalne medicine in rehabilitacije. S področja fizikalne medicine mu predstavimo oblike, in sicer kinezioterapijo, elektroterapijo, mehanoterapijo, hidroterapijo, magnetoterapijo, lasersko terapijo. Dobi osnovne informacije iz področja balneologije in klimatologije - izkoriščanje klimatskih pogojev v terapevtske namene. Osnovni programi fizikalne terapije za posamezne bolezni (travmatologija, ortopedija, nevrologija).
Rehabilitacija: osnovni pojmi razdelitve rehabilitacije na medicinsko, profesionalno in socialno, definicija prizadetosti, oviranosti in okvare.
Ocena delazmožnosti, ocena invalidnosti,

Content (Syllabus outline):

The student will receive the basic information on physical medicine and rehabilitation. In the field of physical medicine different types will be presented: kinesiology, electric therapy, mechanic therapy, hydrotherapy, magnetic therapy and laser therapy. Moreover, some basic knowledge in the field of balneology and climatology- using the climatologic and environmental factors for therapeutic reasons. A basic program of physical therapy for certain diseases will be presented (traumatology, orthopedy, neurology).
REHABILITATION: basic information on rehabilitation (medical, professional and social; definition of disability, handicap, impairment.
The assessment of working ability, assessment of handicap and professional consulting as well

poklicno svetovanje, ergonomski pristopi. Tehnični pripomočki in pomagala - klasifikacija, nomenklatura, standardi. Protetika in ortotika: rehabilitacija amputiranih, rehabilitacija v otroški dobi. Gerontološka rehabilitacija: posebnosti fizikalne medicine in rehabilitacije pri starostnikih.

as ergonomic approach. Medical aids and devices - classification, standards, definitions. Prosthetics and orthotic-: rehabilitation of amputated persons, rehabilitation of children. Gerontologic rehabilitation: specific rehabilitation of elderly people.

Temeljni literatura in viri / Textbooks:

1. Fizikalna in rehabilitacijska medicina - Univerza v Mariboru, visoka zdravstvena šola 2002.
2. Specialna fizikalna medicina, Ivo Jajić, Školjska knjiga Zagreb; 2000.
3. Fizikalna medicina. Ivo Jajić i suradnici, medicinska knjiga Zagreb; 1996.
4. Fizikalna revmatološka propedeutika. Ivo Jajić, Medicinska naklada Zagreb; 1994
5. Fizikalna medicina i obća rehabilitacija. Ivo Jajić i suradnici. Medicinska naklada Zagreb; 2000.
6. Kottke, Krusen, Handbook of physical rehabilitation. Saunders, 1990.
7. Edicije Inštituta za rehabilitacijo. Pripomočki in zbirke, izdane v zadnjih 10-tih letih. Diagnostika in terapija za različne invalidnosti, smernice za rehabilitacijsko obravnavo različnih patologij.

Dodatni viri:

1. Mednarodna klasifikacija okvar, prizadetosti in oviranosti. Ljubljana: Inštitut za varovanje zdravja RS in Inštitut RS za rehabilitacijo, 1997.
2. International Classification of Functioning, Disability and Health. Geneva: World Health Organisation, 2001.
3. Kahn J: Principles and practice of electrotherapy. New York: Livingstone, 1991
4. DeLisa JA, Gans BM, eds. Rehabilitation medicine. Principles and practice. Third edition. Philadelphia: Lippincott-Raven, 1998.
5. Wade D. ed. Measurement in neurological rehabilitation. New York: Oxford Medical Publications, 1992.
6. Štefančič M. in sodelavci. Osnove fizikalne in rehabilitacijske medicine - v tisku. Inštitut RS za rehabilitacijo Ljubljana.

Cilji:

Prikazati študentu osnovne informacije stroke Medicinska rehabilitacija kot neposredni del timskega zdravljenja. Informirati ga o metodah fizikalne terapije kot terapevtski program za posamezne bolezni in poškodbe. Seznaniti o možnostih specialista fizikalne medicine na primarni, sekundarni in terciarni ravni. Osnovno informacijo o diagnostiki v fizikalni medicini (EMNG, UZ, termovizija).

Predvideni študijski rezultati:

Znanje in razumevanje: Poznavanje strokovnega področja rehabilitacije. Praktično znanje fiziatričnega kliničnega pregleda in poznavanje najpogostejših patoloških stanj, ki potrebujejo rehabilitacijsko obravnavo.

Objectives:

Presentation of the basic professional information about the Medical rehabilitation as a direct part of integrated healing. Aim of the course is to inform the student about the methods of physical therapy, therapeutic program for certain diseases and injuries. Moreover, possibilities of physical medicine on the primary, secondary and tertiary level will be presented as well as basic information of diagnostics in physical medicine (Ultrasound, thermovision, EM)

Intended learning outcomes:

Knowledge and Understanding of rehabilitation. Practical knowledge on physiatric clinical examination and most often pathologic conditions in need of rehabilitation treatment.

Prenesljive ključne spretnosti in drugi atributi:
 Spretnost v prepoznavanju poglavitnih funkcionalnih motenj, ki jih rehabilitacija lahko izboljša. Razumevanje poteka in vloge rehabilitacije v vrnitvi bolnika/poškodovanca v normalno življenje. Poznavanje vloge posameznega člana rehabilitacijskega tima in tako ustrezno usmerjanje obravnave bolnika na primarnem nivoju. Poznavanje tehničnih možnosti za nadomeščanje prizadetih funkcij.

Metode poučevanja in učenja:

Transferable/Key Skills and other attributes:
 Recognition of main functional disorders, which could be improved by rehabilitation. Understanding of the course and role of the rehabilitation in patient's returning into normal life.
 Recognition of the role of each member of the team in patient treatment on primary level. Knowledge about technical possibilities of replacement of affected functions.

Learning and teaching methods:

Predavanja, vaje, video prezentacija, klinične demonstracije.

Lectures, exercises, video presentations, clinical demonstrations

Načini ocenjevanja:

Delež (v %) / **Assessment:**
 Weight (in %)

Način (pisni izpit, ustno izpraševanje, naloge, projekt)		Type (examination, oral, coursework, project):
Pisni izpit	50%	Written exam
ustni izpit.	50 %	oral exam