COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	

Faculty: Faculty of Health	

Course code: KFYZIO/54F1056W/17	**Course title:** Physiotherapeutic Diagnostics 5

Type and range of planned learning activities and teaching methods:
 Form of instruction: Lecture / Seminar
 Recommended study range:
 hours weekly: 2 / 1 **hours per semester:** 24 / 12
 Teaching method: on-site
 (distance method according to the document Príkaz rektora P-8/2020 since 15. 10. 2020)

Credits: 2

Recommended semester/trimester: 5.

Level of study: I.

Prerequisities: KFYZIO/54F1042W/17

Requirements for passing the course:
 Prerequisites: physiotherapeutic diagnostics 4
 Conditions for passing the course:
 During the semester: 100% active participation in practic leasons, seminar work of a case study and its evaluation 60% (E)
 Final evaluation: it will be based on the evaluated case study and the oral exam.
 Course evaluation:
 A - 100% -93%
 B - 92% -85%
 C - 84% -77%
 D - 76% -69%
 E - 68% -60%
 FX - 59% - 0%

Learning outcomes of the course:
 Aims of the course unit: To demonstrate the ability of professional communication with the patient. Get ability for differential diagnostic of locomotor system. Describe and summarize the patient's examination in individual clinical disciplines. Create an adequate physiotherapeutic program and plan for patient.
 Theoretical knowledge:
 The student defines examination methodologies used in physiotherapy. Gains an overview of current examination methods used in physiotherapy. It describes the examination procedures, determines the algorithms of patient examination in individual clinical disciplines. It justifies the diagnostic sequence. Interprets the results, determines the physiotherapeutic diagnosis, create a rehabilitation plan and program,
 Practical skills:
 The student independently performs the examination of the patient. Demonstrates observational skills and applies manual skills in examination. Recognizes structural disorders, functional disorders and mixed disorders, describes and analyzes them. It draws conclusions and suggests treatment.

Course contents:
Diagnostic in surgery, traumatology and orthopedics:
1. Examination algorithm for the cervical, thoracic and lumbar spine.
2. Examination algorithm for the lumbar, knee and ankle joint and leg.
3. Examination algorithm for the shoulder elbow and wrist joint and hand.
4. Examination of the patient after surgery on upper limb.
5. Examination of the patient after lower limb surgery.
6. Examination of the patient after chest surgery.
Examination in neurology:
7. Basic neurological examination: anamnesis, examination of muscle tone, reflexes, sensitivity, movement examination, posture, gait and extinction tests.
8. Special tests in neurology (Brumstrem, ASIA test, Kurtski scale, opposition neck).
9. Examination of a patient with storke, peripheral paresis, multiple sclerosis, Parkinson's disease.
Examination in internal medicine:
10. ECG, Ergometry Holter monitoring.
11. Spirometry, measurement of pressure, pulse.
Auxiliary examination methods in physiotherapy:
12. EMG, EEG, ultrasound, X-ray, CT, NMR.
Exercises:
1. Examiation alhorithm for the cervical, thoracic and lumbar spine.
2. Examiation alhorithm for of the lumbar, knee and ankle joint and leg.
3. Examiation alhorithm for the shoulder elbow and wrist joint and hand.
4. Examination of the patient after surgery on upper limb.
5. Examination of the patient after lower surgery.
6. Examination of the patient after chest surgery.
7. Basic neurological examination: anamnesis, examination of muscle tone, reflexes, sensitivive, movements examinations, posture, gait and extinction tests.
8. Special tests in neurology (Brumstrem, ASIA test, Kurtski scale, opposition neck).
9. Examination of a patient with stroke, peripheral paresis.
10. Examination of a patient after multiple sclerosis.
11. Examination of a patient with Prakinson's disease.
12. Pressure measurement, pulse.

Recommended or required literature:

Language of instruction:

Notes:
The course is taught only in the winter semester and is evaluated only in the relevant examination period of the winter semester of the academic year.

Course evaluation:
Assessed students in total: 120

A	B	C	D	E	FX
25.0	8.33	24.17	17.5	16.67	8.33

Name of lecturer(s): Mgr. Marina Potašová, PhD.

Last modification: 01.12.2020

Supervisor(s): doc. PhDr. Zuzana Hudáková, PhD.