

BSc in Physiotherapy

INTEGRADED COURSE TITLE: Information technology/Seminar Activities

NUMBER OF ECTS CREDITS: 2

SSD: MED/48

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PREREQUISITES

Although there are no preparatory prerequisites, notions of general pathology are necessary, as well as, basic knowledge of human anatomy and neurophysiology.

LEARNING OBJECTIVES

The course aims to give in a simple and interactive way information relating:

- to patient mobilization techniques and correct posture of the healthcare provider
- evaluation, management and taking charge of the neurological patient.

LEARNING OUTCOMES

At the end of the course the student is required to know:

- Risks for work-related musculoskeletal disorders (WMSDs)
- Ergonomics, workplace, work organization
- International guidelines (ISO)
- Italian Manual Material Handling (Legge 81)
- Mobilization, transfers and assistive devices, Exercises for the column
- The management of the patient suffering from the most common neurodegenerative and neurovascular syndromes, starting with a careful evaluation up to the actual treatment.

COURSE SYLLABUS

Syllabus Prof.ssa Berardi

DAY 1:

- Risks
- Ergonomics, workplace, work organization
 - International guidelines (ISO)
 - Italian Manual Material Handling (Legge 81)

DAY 2:

- Mobilization, transfers and assistive devices
- Exercises for the column

Syllabus Prof.ssa Ruotolo

Basic principles of neurological rehabilitation.

Gait assessment in different types of neurological patients and development of targeted therapeutic exercise interventions.

Application on the main neurological pathologies such as:

- _Post-stroke
- _Cranial nerve paralysis
- _Multiple Sclerosis and Ataxias
- _Parkinson's disease

COURSE STRUCTURE

The teaching is organized in lectures (20 hours) and practical theoretical exercises.

COURSE GRADE DETERMINATION

Students' learning will be verified through a theoretical-practical oral exam.

READING MATERIALS

Prof.ssa Ruotolo

Titolo: Motor Control: Translating Research into Clinical Practice

Autori: Shumway-Cook A.

Titolo: Lifespan in Neurorehabilitation

Autori: Fell, Karen Y. Lunnen e Reva P. Rauk

Titolo: Principles of Neural Science

Autori: Kandel

Materiale fornito dal Docente

Prof.ssa Berardi

The illustred Guide to Safe Patient Handling and Movement, Audrey L. Nelson - Kathleen Motacki.