

BSc in Physiotherapy

INTEGRADED COURSE TITLE: Information technology/Seminar Activities

NUMBER OF ECTS CREDITS: 2

SSD: MEDS-26/C

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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. Sellitto

Basic principles of neuromotor rehabilitation (Kabat concept, Bobath concept).

Application on the main neurological pathologies such as:

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

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. Sellitto

Titolo: Steps to follow - Passo dopo passo - Il trattamento integrato dei pazienti con emiplegia

Autori: Davies

Titolo: Riequilibrio Modulare Progressivo - Elaborazione del concetto Kabat

Autori: Monari

Titolo: Principi di neuroscienze

Autori: Kandel

Material provided by the Teacher

Prof.ssa Berardi

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