

## 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. Sellitto**

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

Application on the main neurological pathologies such as:



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- \_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 illustrated Guide to Safe Patient Handling and Movement, Audrey L. Nelson - Kathleen Motacki.