

## BSc in Physiotherapy

**INTEGRADED COURSE TITLE:** Information Technology/Seminar Activities

**NUMBER OF ECTS CREDITS:** 2

**SSD:** MEDS-26/C

**MODULE CONVENOR:**

**Silvia Morelli** *“Postural Assessment and observation of the patient's movements. Postural transfers and Gait Analysis”*

**Emanuele Amadio** *“Strategies and challenges for rehabilitation – Informed Consent”*

### **PREREQUISITES**

No pre-requisites are required.

### **LEARNING OBJECTIVES**

Prof. Amadio

General Objective: student must know the international landscape of rehabilitation and disability, as well as for international and national regulation for informed consent, professional responsibility, and clinical record.

Specific objectives:

- International guidelines on rehabilitation and WHO framework, UNCRPD;
- Informed consent: differences between HICs and LMICs, differences of informed consent and particular cases;
- Clinical record: read and draw up sections for professional uses

Prof.ssa Morelli

General Objective: The student will need to understand the ideal posture model and common general deviations, the differences between observation, analysis and objective posture assessment, and be able to highlight the importance of postural transitions and gait analysis.

Specific objectives: The student must be able to

- perform a systematic posture assessment
- develop the ability to identify and describe postural anomalies in different positions
- recognize and describe common gait deviations

### **LEARNING OUTCOMES**

Prof. Amadio

At the end of the course the student is required:

- to know international guidelines of rehabilitation
- to know principles of UNCRPD
- understand base principle of informed consent, its values and principles
- to understand information about patient and care from clinical record
- to understand differences between rehab programme and project

Prof.ssa Morelli

At the end of this course the student must be able to:

- identify postures that deviate from the ideal model,
- evaluate the consequences of prolonged postures,
- perform a movement observation in relation to posture (dynamic movement analysis),
- execute postural transition.

## **COURSE SYLLABUS**

### **Syllabus Prof. Amadio**

The WHO Rehabilitation Guidelines: Disability Action Plan 2014-2021, the Rehabilitation 2030 a call for action; Rehabilitation in Health Systems;

The UN Convention on the Rights of Persons with Disabilities;

Informed Consent: general rules, the WHO framework, the point of view of patients and the European Disability Forum, special cases;

The Gelli Bianco Law: professional responsibility and working according to guidelines;

The Medical Record: general data, family history, pathological history, the rehabilitation record, rehabilitation project and programme;

### **Syllabus Prof.ssa Morelli**

- Posture objective assessment,
- Differences between observation, analysis, and objective posture assessment,
- Brief review of postural transitions and training in observing gait dynamics

## **COURSE STRUCTURE**

The teaching is organized into 20 hours of lectures and practical classroom exercises.

## **COURSE GRADE DETERMINATION**

The students' preparation will be verified through an oral exam (theoretical-practical) on the topics covered by Prof. Erba and Prof. Amadio.

## **READING MATERIALS**

Slides and background material

World Health Organization, 2017. Rehabilitation in health systems. World Health Organization.

World Health Organization, 2015. WHO Global Disability Action Plan 2014-2021: Better health for all people with disabilities. World Health Organization.

Anatomy texts already in the student's possession and biomechanics texts (Donald A. Neumann – Kapandji)