

Subject Title:	PHYSICAL AND FUNCTIONAL DIAGNOSIS
Subject Code:	1PT2010201
Year:	Second Year MPT
Pre-requisite Subject	- NONE -

Objectives of course:

1. Describe the various Psychological aspects of disability.
2. Acquired skill for various Anthropometric measurements.
3. Be able to do interpretation of Differential diagnosis for various Physiotherapy conditions.
4. Acquire the skill of functional evaluation.
5. Gain knowledge about specificity and Reliability of various scales used in Physiotherapy.

Subject Contents (50 Hours)

- 1 Psychological aspects of rehabilitation in disability: Psychological tests.
- 2 Developmental Screening
 - a. Factors Motor control assessment
 - b. Motor control theories/mechanism
 - c. Patterns of normal development
 - d. Specific procedures and tests used to assess motor control defects
- 3 Anthropometry
 - a. Body measurements
 - Height
 - Weight
 - Circumference
 - b. Body Proportion
 - Body Mass Index (BMI)
 - Waist Hip Ratio (WHR)
 - c. Body Composition
 - Somatotyping
 - Methods of measurement
 - Water displacement
 - Skin fold measurement
 - Under water weighing
 - Bioelectric Impedance Analysis (BIA)
- 4 Differential diagnosis in Physiotherapy
- 5 Functional evaluation.
 - a. The concepts of health status impairment; functional limitations; disability and handicap; definition of functional activity and the purposes and components of the functional assessment; selection of activity and roles for an individual based on his or her capabilities and functional limitations.
 - b. Various forms of functional tests; physical function test and multi dimensional functional assessment instrument, identification of instrument for testing function.
 - c. Various scoring methods used in functional assessment.
 - d. Reliability and validity of various functional assessments.
- 6 Evaluation of aging.