

Subject Title:	ADVANCE PHYSIOTHERAPEUTIC
Subject Code:	1PT2010202
Year:	Second Year MPT
Pre-requisite Subject	- NONE -

Objectives of the course:

1. Acquire the knowledge of various conditions where physiotherapy plays a vital role in the rehabilitation (psychiatry, dermatology).
2. Acquire knowledge of the overview of patients care at the intensive care area, artificial ventilation, suctioning, positioning for bronchial hygiene and continuous monitoring of the patient at the intensive care area.
3. Identify, discuss and analyze cardiovascular and pulmonary dysfunction based on path physiological principles and arrive at the appropriate functional diagnosis and Physiotherapy Intervention.
4. Acquire the knowledge of evaluation and physiotherapy treatment for obstetrics and gynecological conditions.
5. Acquire knowledge of rationale of advanced Physiotherapy in the medical system and surgical intervention regimes related to cardiovascular, pulmonary impairment and various musculoskeletal conditions.

Subject Contents

A. ADVANCED PHYSIOTHERAPEUTICS (MEDICAL) (50 Hours)

- 1 Physiotherapy in common conditions of skin
- 2 Physiotherapy in common vascular diseases.
- 3 Physiotherapy in nutritional deficiency diseases.
- 4 Physiotherapy in respiratory disorders.
- 5 Physiotherapy Management of ischemic heart diseases.
- 6 Exercise planning and prescriptions.
- 7 Physiotherapy in psychiatry.
- 8 Management of pain in neurological and Musculo-skeletal disorders.
- 9 Physiotherapy management in arthritis and allied conditions.

B. ADVANCED PHYSIOTHERAPEUTICS (SURGICAL) (50 Hours)

- 1 Monitoring systems, defibrillator and Artificial respirators.
- 2 Physiotherapy in post operative management of metabolic, hormonal, neoplastic and infective conditions of bones and joints.
- 3 Pre and post operative physiotherapy in tendon transfer.
- 4 Physiotherapy management following head injuries, in intensive care and neurosurgical procedures.
- 5 Physiotherapy following general surgery.
- 6 Physiotherapy following uro-surgery.
- 7 Physiotherapy following plastic surgery.
- 8 Physiotherapy management following selective and common cases of oncologic surgeries
- 9 Physiotherapy following obstetric and gynecological disorders.