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| INSTITUTE | FACULTY OF PHYSIOTHERAPY |
| PROGRAM | MASTER OF PHYSIOTHERAPY |
| SEMESTER | 2 |
| COURSE TITLE | ADVANCE PHYSIOTHERAPEUTIC-II |
| COURSE CODE | 17MP0202 |
| COURSE CREDITS | 4 |

Objective:

- 1 To learn the professional behavior and communication skills
- 2 To analyze the relevant clinical findings with regards to contextual, environmental and personal factors.
- 3 To learn developing realistic and acceptable therapeutic goals that are patient centric consistent with the needs and goals of the patient
- 4 To learn the evidence based advanced physiotherapy management techniques for various conditions.

Course Outcomes: After completion of this course, student will be able to:

- 1 Demonstrate professional behavior and respectful communication and conduct patient centric physiotherapy assessments of various using best supportive evidence.
- 2 Analyze the relevant clinical findings with regards to contextual, environmental and personal factors.
- 3 Develop realistic and acceptable therapeutic goals that are patient centric consistent with the needs and goals of the patient.
- 4 Develop protocols incorporating advance physiotherapy techniques for different conditions after analysis of the physiotherapy related problems that are needed for intervention.
- 5 Demonstrate the evidence based advanced physiotherapy management techniques for various conditions.

Pre-requisite of course: To incorporate the advance Physiotherapy techniques in to Physiotherapy management

Teaching and Examination Scheme

| Theory Hours | Tutorial Hours | Practical Hours | ESE | IA | CSE | Viva | Term Work |
|---------------------|-----------------------|------------------------|------------|-----------|------------|-------------|------------------|
| 1 | 0 | 2 | 50 | 30 | 20 | 50 | 50 |

| Contents : Unit | Topics | Contact Hours |
|--------------------|---|------------------|
| 1 | Advanced Physiotherapeutics in medical condition Physiotherapy in common conditions of skin, Physiotherapy in common vascular diseases, Physiotherapy in nutritional deficiency diseases, Physiotherapy in respiratory disorders, Physiotherapy Management of ischemic heart diseases, Exercise planning and prescriptions, Physiotherapy in psychiatry, Management of pain in neurological and Musculo-skeletal disorders, Physiotherapy management in arthritis and allied conditions | 20 |
| 2 | Advanced Physiotherapeutics in Surgical condition Monitoring systems, defibrillator and Artificial respirators, Physiotherapy in post operative management of metabolic, hormonal, neoplastic and infective conditions of bones and joints, Pre and post operative physiotherapy in tendon transfer, Physiotherapy management following head injuries, in intensive care and neurosurgical procedures, Physiotherapy following general surgery, Physiotherapy following Uro-surgery, Physiotherapy following plastic surgery, Physiotherapy management following selective and common cases of oncologic surgeries, Physiotherapy following obstetric and gynecological disorders | 20 |
| Total Hours | | 40 |

Suggested List of Experiments:

| Contents : Unit | Topics | Contact Hours |
|--------------------|--|------------------|
| 1 | Advanced Physiotherapeutics in Surgical condition Monitoring systems, defibrillator and Artificial respirators, Physiotherapy in post operative management of metabolic, hormonal, neoplastic and infective conditions of bones and joints, Pre and post operative physiotherapy in tendon transfer, Physiotherapy management following head injuries, in intensive care and neurosurgical procedures, Physiotherapy following general surgery, Physiotherapy following Uro-surgery, Physiotherapy management following selective and common cases of oncologic surgeries, Physiotherapy following obstetric and gynaecological disorders. | 20 |
| 2 | Advanced Physiotherapeutics in medical condition Physiotherapy in common conditions of skin, Physiotherapy in common vascular diseases, Physiotherapy in nutritional deficiency diseases, Physiotherapy in respiratory disorders, Physiotherapy Management of ischemic heart diseases, Exercise planning and prescriptions, Physiotherapy in psychiatry, Management of pain in neurological and Musculo-skeletal disorders, Physiotherapy management in arthritis and allied conditions | 20 |
| Total Hours | | 40 |

Textbook :

- 1 Alternative Therapies, Swati Bhagat, Jaypee, 2004

Textbook :

- 2 Cash's textbook of chest heart and vascular disorders for physiotherapists, Patricia A. Downie, Jaypee, 1993
- 3 Cash's textbook of general medical and surgical conditions for physiotherapists, Joan E. Cash, Patricia A. Downie, , Lippincott, Philadelphia, 1990
- 4 Motor Control: Translating Research Into Clinical Practice, Anne Shumway-Cook, Marjorie H. Woollacott,, , Lippincott Williams & Wilkins, 2007
- 5 Therapeutic Modalities, Chad Starkey, , F. A. Davis , 2013
- 6 Electrotherapy Explained: Principles and Practice, Val Robertson, PhD, Alex Ward, John Low, Ann Reed, Elsevier Health Sciences, 2006
- 7 Therapeutic Exercise Foundations and Techniques, Carolyn Kisner , Lynn Allen Colby, John Borstad, F.A.Davis , 2013

References:

- 1 Neurological Rehabilitation, Neurological Rehabilitation, Janet H. Carr, Roberta B. Shepherd,, , Elsevier India, 1998
- 2 Oxford Handbook of Urology, Oxford Handbook of Urology, , John Reynard, Simon Brewster, oxford university, 2013
- 3 Physiotherapy in Obstetrics and Gynaecology, Physiotherapy in Obstetrics and Gynaecology, Margaret Polden, Jill Mantle , Elsevier - Health Sciences Division, 1990
- 4 Braddom's Physical Medicine and Rehabilitation, Braddom's Physical Medicine and Rehabilitation, David X. Cifu , Elsevier - Health Sciences Division, 2015

Suggested Theory Distribution:

The suggested theory distribution as per Bloom's taxonomy is as follows. This distribution serves as guidelines for teachers and students to achieve effective teaching-learning process

| Distribution of Theory for course delivery and evaluation | | | | | |
|---|-------------------|--------------|----------------|-----------------|---|
| Remember / Knowledge | Understand | Apply | Analyze | Evaluate | Higher order Thinking / Creative |
| 0.00 | 0.00 | 35.00 | 35.00 | 30.00 | 0.00 |

Instructional Method:

- 1 Theory + Practical

Supplementary Resources:

- 1 NA