



BACHELOR OF PHYSIOTHERAPY (HS0141)

B.P.T.

Program Outcomes

Program Specific Outcomes

Course Outcomes

Faculty of Medical, Paramedical & Allied Health Sciences

B.P.T.

PROGRAMME OUTCOMES (PO)

- PO1: Capability of demonstrating comprehensive knowledge of physiotherapy.
- PO2: Ability to analyze the results and apply them in various problems.
- PO3: Ability to employ critical thinking in understanding the concepts in every area of BPT programme.
- PO4: Capability to solve problems by using research-based knowledge and research methods and can set short term and long term goals for rehabilitation.
- PO5: Possess knowledge of the values and beliefs of multiple cultures and a global perspective and capability to effectively engage in a multicultural society and interact respectfully with diverse groups
Create, select, and apply appropriate techniques and resources
- PO6: Ability to identify unethical behavior and adopting objective, unbiased and truthful actions in all aspects of their programme.
- PO7: Ability to work independently and with various multidisciplinary in hospitals and community centres.
- PO8: Ability to communication effectively and flexibly in a manner that is appropriate for the patients and other healthcare professionals.
- PO9: Develop a sense of research to predict cause-and-effect relationships..

COURSE OUTCOME:

CODE-BP101 ANATOMY

- CO: 1 A student will be able to understand Identify all gross anatomical structures, particular emphasis will be placed on description of bones, joints, muscles, brain, cardio-pulmonary and nervous systems as these relate to the application of Physiotherapy.
- CO: 2 Demonstrate knowledge in human anatomy as in necessary for the study and practice of physiotherapy.
- CO3: A student should apply the gross anatomy knowledge while treating the patients.

CODE-BP102 PHYSIOLOGY

- CO1: Understand the basis of normal human physiology with special emphasis on the functioning of the cardiovascular, musculo-skeletal and nervous systems.
- CO2: Demonstrate an understanding of elementary human physiology and Bio-Chemistry.
- CO3: Understand how abnormal Physiology affects human function and dysfunction of the human body.

CODE-BP103 BIOCHEMISTRY

- CO1: Demonstrate comprehensive understanding of biochemistry
- CO2: Acquire the knowledge in biochemistry that are required to be practiced in community and at all levels of health care system.
- CO3: Understand relevant investigations which will help to know about the important medical conditions.
- CO4: Demonstrate empathy and have a human approach towards patients & respect their sensibilities.

CODE-BPT104 SOCIOLOGY

- CO1: Demonstrate an understanding of the role of socio-cultural factors as determinants of health and behavior in health and sickness.
- CO2: Relate to therapeutic situations in the practice of physiotherapy. CO3: Understand the role of family and community in the development of behaviours.
- CO:4 Develop a holistic outlook toward the structure of society and community resources.

CODE-BP105 GENERAL & CLINICAL PSYCHOLOGY

- CO1: Recognize and help with the psychological factors involved in disability, pain, disfigurement, unconscious patients, chronic illness, death, bereavement and medical- surgical patients/conditions.
- CO2: Understand the elementary principles of behavior for applying in the therapeutic environment.
- CO3: Perform psychosocial assessment of patients in various developmental stages
- CO4: Understand Ego defense mechanisms and learn counseling techniques to help those in need

CODE-BP106 BASIC PRINCIPLES IN PHYSIOTHERAPY CODE-BP106

- CO1: Learn the principles, technique and effects of exercise as a therapeutic modality in the restoration of physical function.
- CO2: Analyse the various types of therapeutic exercises, movements and demonstrate different techniques and describe their effects.
- CO3: Practice different exercise therapy techniques and gain confidence in performing these skills before implementing the same on the patients so that high quality patient care is ensured.

CODE-BP107 COMMUNICATION SKILLS & PERSONALITY DEVELOPMENT FOR PROFESSIONALS

- CO1: Demonstrate critical and innovative thinking

CO2: Apply communication theories.

CO3: Use current technology related to the communication field.

CODE-BP201 PATHOLOGY & MICRO-BIOLOGY

CO1: Learn the pathological changes in various conditions, diseases and disorders, which are commonly treated by physiotherapy.

CO2: Demonstrate an understanding of the pathology and microbiology of common diseases that therapists would encounter in their daily practice.

CO3: Understand how to protect themselves and their patients from infections during their interactions.

CODE-BP202

CO1: Possess a relevant knowledge in basic principles of pharmacology and its recent advances

CO2: Understand the basic pharmacology of common drugs used, their importance in the overall treatment including Physiotherapy

CO3: Understand the general principles of drug action and the handling of drugs by the body.

CO4: Understand the contribution of both drug and physiotherapy factors in the outcome of treatment.

CODE-BP203 BIOMECHANICS CODE-BP203

CO1: Analyze normal human movement from a global perspective, integrating biomechanics, muscle mechanics and motor control theory.

CO2: Experience quantitative methods of movement analysis using various methods.

CO3: Apply the analytic methods to specific example of normal human motor performance.

CO4: Use these methods for evaluation and treatment of disorders of the musculoskeletal system.

CODE-BP204 EXERCISE THERAPY CODE-BP204

CO1: Provide high quality, ethical, effective, and cost efficient practices by students and gain expertise in the exercise prescription to patients.

CO2: Practice various assessment strategies like Goniometry, Tone assessment, Muscle power assessment etc for detailed learning.

CO3: Understand principles and procedures, indications, contraindications and precautions, appropriate methods of application of each of the assessment strategy and treatment techniques hands on and on models.

CO4: Communicate with the patient in a professional and ethical manner.

CODE-BP205 ELECTROTHERAPY

CO1: Know the principles, technique and effects of electrotherapy as a therapeutic modality in the restoration of physical function in condition like nerve injuries.

CO2: List the indications and contra-indications of various types of electrotherapy, demonstrate different techniques and describe their effects.

CO3: Aware of the construction, Biophysical principles and effects, dangers, safety measures, judicial use, appropriate methods of application, contraindications of the various low frequency equipments.

CO4: Practice evidence based physiotherapy

CODE-BP206 ETHICS AND LAW IN PHYSIOTHERAPY

CO1: Understand the ethical principles of physiotherapy profession.

CO2: Understand principles of management in personal management, time management and administration including budgeting.

CO3: Understand the medico-legal issues in physiotherapy.

CODE-BPT301 GENERAL MEDICINE

CO1: Demonstrate comprehensive understanding of general diseases and its pathology.

CO2: Acquire the knowledge in medicine that are required to be practiced in community and at all levels of health care system.

CO3: Understand relevant investigations which will help to know about the important medical conditions.

CODE-BP302 GEN. SURGERY AND OBS. & GYNAE

CO1: Demonstrate comprehensive understanding of general surgery and female reproductive system

CO2: Acquire the knowledge in surgeries that are required to be practiced in community and at all levels of health care system.

CO3: Understand relevant investigations which will help to know about the important medical conditions.

CODE-BPT303 CLINICAL ORTHOPEDICS COURSE OUTCOME-

- CO1: Demonstrate comprehensive understanding of skeletal system including bones and joints.
- CO2: Acquire the knowledge in skeletal system that is required to be practiced in community and at all levels of health care system.
- CO3: Understand relevant investigations which will help to know about the important medical conditions.

CODE-BPT304 CLINICAL NEUROLOGY

- CO1: Demonstrate comprehensive understanding of nervous system
- CO2: Acquire the knowledge in nervous system that are required to be practiced in community and at all levels of health care system.
- CO3: Understand relevant investigations which will help to know about the important medical conditions.

CODE-BPT305 RESEARCH METHODOLOGY AND BIOSTATISTICS

- CO1: Demonstrate various methodology in research
- CO2: Acquire the knowledge in research and biostatistics that are required to be practiced in community and at all levels of research methods.
- CO3: Understand relevant biostatistics methods which will help to know about the research outcomes.

CODE-BPT306 COMMUNITY MEDICINE

- CO1: Demonstrate comprehensive understanding of community health workers
- CO2: Acquire the knowledge in preventive and curative measures that are required to be practiced in community and at all levels of health care system. CO3: Understand relevant investigations which will help to know about the important medical conditions.

CODE- BP401 PAPER - PHYSIOTHERAPT IN ORTHOPAEDIC CONDITIONS

- CO1: Understand relevant investigations technique which will help to diagnosed various orthopedic conditions.
- CO2: Able to integrate theoretical knowledge with clinical assessment. CO3: Demonstrate clinical decision making ability and treat different musculoskeletal conditions.

CODE- BP402 PHYSIOTHERAPT IN NEUROLOGICAL CONDITIONS

- CO1: Understand relevant investigations technique which will help to diagnosed various Neurological condition conditions.
- CO2: Able to integrate theoretical knowledge with clinical assessment. CO3: Developed clinical decision making ability and treat different neurological conditions.

CODE- BP403 PHYSIOTHERAPY IN GEN. MEDICINE & SURGICAL CONDITION

- CO1: Demonstrate general understanding of the disease that therapist would encounter in their practice.
- CO2: Understand the etiology and pathology of functional disabilities.
- CO3: Elaborate broad outline of goals of pharmacological and surgical therapy imparted in those disease in which physical therapy will be an important component.

CODE- BP404 PHYSIOTHERAPY IN CARDIOTHORACIC CONDITIONS

- CO1: Understand relevant investigations technique which will help to diagnosed various cardiothoracic conditions.
- CO2: Able to integrate theoretical knowledge with clinical assessment. CO3: Demonstrate clinical decision making ability and treat different respiratory and cardiac condition.

CODE- BP405 RATIONALE OF REHABILITATION

- CO1: Observed and identify the diagnostic features in physical condition.
- CO2: Formulate appropriate goal in treatment and rehabilitation.
- CO3: Identify the residual potential in patient with partial or total disability.