 SMU SIKKIM MANIPAL UNIVERSITY <small>INSPIRED BY LIFE</small>	Program & Course Outcomes
Program Name	Masters of Physiotherapy
Program Code	MPT206

Program Outcomes

PO1: Post graduates of physiotherapy should be able to demonstrate understanding of recent developments in their area of speciality.

PO2: Identification and evaluation of impairments in state of health of individual:
Use of foundational courses to understand the process of dysfunction in an individual

PO3: Goal setting for meeting health and social care needs:
Formulate patient and family centred goal setting and appropriate outcomes of intervention

PO4: After achieving competency and skill, physiotherapists should be able to perform systems review to screen patients/clients to determine if physical therapy services are warranted or if a referral to other health professional is required.

PO5: After achieving competency and skill, Physiotherapist should be able to carry out physiotherapy management as an independent practitioner or as per the referral requests from other branches of medical fraternity.

PO6: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the Physiotherapy practice.


PO7: Skills: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the health care practice.

PO8: Life-long learning: Recognise the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PO9: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings to disseminate general awareness about the relation between physical well-being and state of health among individuals and group

PO10: Apply evidence based knowledge in clinical decision making specific to patient conditions and demonstrate specific skills and strategies to effectively deliver physiotherapy services in rehabilitating the patient to achieve maximal physical functional abilities


Prepared by	Approved by	Revision Status	Year
Program Coordinator	Hol, SMCPT	1.0	2017

 SMU SIKKIM MANIPAL UNIVERSITY INSPIRED BY LIFE	Program & Course Outcomes
Program Name	Masters of Physiotherapy
Program Code	MPT206

Course Outcomes

MPT	
Course Code	Course Outcomes
	After completing the course, the students should be able to
Orthopaedics PT2201	<ul style="list-style-type: none"> - Integrate the knowledge gained by the students in clinical Orthopaedics with the skills gained in Exercise therapy, Electrotherapy and Physical evaluation for identification of disfunction of musculoskeletal system amenable to rehabilitation - To demonstrate sound knowledge in evaluation of Musculo-skeletal pathologies using tests and examinations using ICF - To plan appropriate rehabilitation interventions for patients with disorders of musculoskeletal system
Manual Therapy PT2205	<ul style="list-style-type: none"> - Demonstrate advanced level of knowledge and clinical reasoning skill in identification and examination of neuro-musculoskeletal conditions as per ICF - Integrate the knowledge of clinical Orthopaedics with the skills gained in Exercise therapy, Electrotherapy and Physical evaluation for rehabilitating musculoskeletal disfunction - Demonstrate safe delivery of advanced skills of manipulation and mobilisation of axial and appendicular skeleton as per different schools of manual therapy - Demonstrate safe delivery of advanced skills of soft tissue techniques
Sports Rehabilitation PT2206	<ul style="list-style-type: none"> - Demonstrate understanding of biomechanics of sports injuries, protective gears, training equipment and ergogenic aids - Demonstrate advanced level of knowledge and clinical reasoning skill in identification and examination of sport specific dysfunctions, both on field and off field - Integrate the knowledge of clinical Orthopaedics with the skills gained in Exercise therapy, Electrotherapy and Physical evaluation for rehabilitating sport specific dysfunction - Demonstrate the knowledge of surgical procedures undertaken in sports related injuries and deliver the rehabilitation at various stages to enable the players to return to sports

Prepared by	Approved by	Revision Status	Year
Program Coordinator	Hol, SMCPT	1.0	2017

 SMU SIKKIM MANIPAL UNIVERSITY	Program & Course Outcomes
Program Name	Masters of Physiotherapy
Program Code	MPT206

Neurological Sciences PT2202	<ul style="list-style-type: none"> - Apply basic evaluation and intervention outcome processes appropriate for neurological physiotherapy practice - Conduct an appropriate basic examination of the neurologic system, including history and physical examination using ICF - Demonstrate basic measurement and testing procedures commonly used (including electro-physiological measurements) in assessing neurologic dysfunction in adults and Paediatrics from the perspective of rehabilitation 	
	Adult Neurology PT2207	<ul style="list-style-type: none"> - To practice advanced skills in the assessment and management of a variety of neurological conditions in neurological physiotherapy setting - Develop effective ways of assessing outcomes in neurological rehabilitation - Develop the ability to critically appraise and apply recent advances for neurological rehabilitation approaches - To develop the ability to plan and conduct a research project in neurological rehabilitation
	Paediatric Neurology PT2208	<ul style="list-style-type: none"> - To practice advanced skills in the assessment and management of a variety of paediatric conditions using family-centred practice and current theories of movement development in paediatric physiotherapy setting - Develop the ability to critically appraise and apply recent advances for neurological rehabilitation approaches in paediatrics - Develop effective ways of assessing outcomes in neurological rehabilitation - To develop the ability to plan and conduct a research project in paediatric neurological rehabilitation

Prepared by	Approved by	Revision Status	Year
Program Coordinator	Hol, SMCPT	1.0	2017



Program Name


Masters of Physiotherapy

Program Code

MPT206

<p>Cardio-pulmonary PT2203</p>	<ul style="list-style-type: none"> - Demonstrate a sound understanding of application to rehabilitation techniques to cardio respiratory conditions - Demonstrate a well-developed approach in promoting wellness as relevant to the pulmonary and cardiovascular systems. - Develop the ability to interpret basic radiological imaging, AND other investigations like PFT, ABG, ECG etc. - Demonstrate the ability to conduct and critique research using theoretical and applied knowledge - To be able develop effective ways of assessing outcomes in cardio-pulmonary rehabilitation
<p>Cardiac and Pulmonary Rehabilitation PT2209</p>	<ul style="list-style-type: none"> - To practice advanced skills in the assessment and management of a variety of cardio-pulmonary conditions in physiotherapy setting - Develop effective ways of assessing outcomes in cardio-pulmonary rehabilitation - Develop the ability to critically appraise and apply recent advances for cardio-pulmonary rehabilitation approaches - To develop the ability to plan and conduct a research project in cardio-pulmonary rehabilitation
<p>ICU Management PT2210</p>	<ul style="list-style-type: none"> - Demonstrate knowledge of the physiological and time processes of inflammation and other serious conditions in ICU - Demonstrate knowledge of the surgical, pharmacological management of patients and the skill to utilise the information with physiotherapeutic techniques to maintain bronchial hygiene, clearance of secretions, and prevention of deleterious effects of prolonged immobilisation
<p>Health Promotion and Disability Rehabilitation PT2204</p>	<p>After the completion of this course the students would be able to</p> <ul style="list-style-type: none"> - Use various models of disability to examine and identify dysfunctions in various health conditions throughout the life span - Strategies to reduce impairments in all the domains of human functioning - Use principles of Community Based Rehabilitation and CBR matrix to formulate intervention plan which cater to the patient and enable the client to fulfil the roles in the society - Perform assessment to prescribe, train and service assistive devices including orthotics and prosthetics

Prepared by	Approved by	Revision Status	Year
Program Coordinator	HoI, SMCPT	1.0	2017

 SMU SIKKIM MANIPAL UNIVERSITY	Program & Course Outcomes
Program Name	Masters of Physiotherapy
Program Code	MPT206

Geriatrics PT2211	<ul style="list-style-type: none"> - Perform systems review to screen for appropriateness of the geriatric case to be inducted in rehabilitation programme. - Perform systems review to identify the changes in body systems due to aging and conduct special tests to ascertain its impact on ADL, IADL and independent living - Demonstrate competence in implementing geriatric treatment programs for patients with health conditions as per ICF and improve functional skills to improve quality of life with or without assistive devices - Recognise the effects of geriatric giants and polypharmacy on rehabilitation
Women's Health PT2212	<ul style="list-style-type: none"> - Conform to professional code of conduct in assessing issues pertaining to women's health throughout the life span - Use ICF model to examine and identify dysfunctions in various health conditions afflicting women during the life span - Discuss the etio-pathology of the conditions that influence women's health experience and critically discuss how rehabilitation can ameliorate these conditions - To align the goals of intervention with maternal and child health programmes by the government - Critically evaluate emerging therapies, technologies and innovations that are designed to assist women to maintain their health and wellness
Ergonomics PT2213	<ul style="list-style-type: none"> - Demonstrate an understanding of occupational hazards and of work environments, their relationship with anatomical, physiological and psychological factors which influences comfort, efficiency, productivity and safety - To implement and design worksite consistent with the principles of fitting a job to the worker, alleviating dysfunction arising from the integration with the worksite and equipment.

Prepared by	Approved by	Revision Status	Year
Program Coordinator	Hol, SMCPT	1.0	2017