



PROGRAM OUTCOMES (PO) – MASTER OF PHYSIOTHERAPY (MPT)

PO1: Basic and Advance Knowledge Mastery

Postgraduates will remember and understand in-depth understanding and application of advanced basic sciences including work and exercise physiology, electrophysiology, biomechanics, and kinesiology relevant to specialized physiotherapy practice.

PO2: Excellency in Professional Communication

Postgraduates will exhibit refined communication skills, both verbal and written, for effective teaching, patient interaction, interdisciplinary collaboration, and academic dissemination

PO3: Clinical Reasoning and Functional Diagnosis

Postgraduates will analyze, synthesize, and apply clinical reasoning in complex and diverse patient scenarios, drawing on advanced diagnostic skills and physiotherapeutic knowledge.

PO4: Conceptual Understanding of Core Disciplines

Postgraduates will critically apply concepts from applied therapeutics, clinical biomechanics, and kinesiology to guide treatment planning and specialized physiotherapeutic interventions.

PO5: Ethical and professionalism

Postgraduates will uphold ethical principles, demonstrate professional integrity, and practice with empathy and cultural sensitivity in all clinical, academic, and administrative roles.

PO6: Evidence-Based Practice Literacy

Postgraduates will conduct literature reviews, critically appraise research, and apply evidence-based approaches by utilizing advanced research methodology and biostatistics.

PO7: Skills proficiency in Therapeutic Techniques

Postgraduates will deliver specialized physiotherapeutic interventions based on clinical conditions and functional assessments through proficient hands-on and evidence-informed practice.

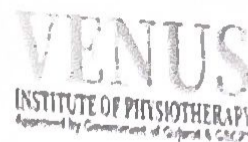
PO8: Interdisciplinary and holistic approach

Postgraduates will integrate medical, surgical, behavioral, and physiotherapeutic knowledge to address patient needs holistically and collaboratively across health disciplines.





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PO9: Patient Education and Counseling Proficiency

Postgraduates will lead health promotion through patient and caregiver education, lifestyle counseling, and by fostering patient-centered rehabilitation strategies.

PO10: Data-Driven Clinical Analysis

Postgraduates will utilize clinical data, physical and functional diagnostics, and outcome assessments to plan, monitor, and optimize individualized treatment protocols.

PO11: Innovative Clinical Problem-Solving

Postgraduates will challenge existing practices through clinical audits, case discussions, and seminars, fostering innovation in physiotherapeutic interventions and healthcare delivery.

PO12: Research aptitude and Contribution

Postgraduates will independently design and conduct original research projects (dissertation), contribute to academic publications, and advance the professional knowledge base of physiotherapy.



CO-PO Mapping for Master of Physiotherapy

1st YEAR MPT

Course Code: 66021101

Course Title : Basic Sciences Part-I

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
6	228	2	114	9	342	30	-	70	-	100	-

Course Outcomes (CO):

Sr. No.	Course Outcomes (CO)	Mapping of CO with Program Outcome (PO)
101.1	Understand the history and principles of physiotherapy education and practice.	PO1, PO4, PO6
101.2	Demonstrate an understanding of the principles of work and exercise physiology.	PO2, PO3, PO4, PO5, PO7, PO10
101.3	Apply electrophysiological techniques to assess and diagnose neuro-muscular disorders.	PO1, PO3, PO6, PO8,
101.4	Analyze human movement using biomechanical principles	PO1, PO2, PO3, PO7,
101.5	Evaluate the impact of exercise on physiological functions.	PO4, PO5, PO6, PO8, PO10
101.6	Correlate biomechanical factors with musculoskeletal disorders.	PO3, PO4, PO5, PO7, PO10

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
101.1	3	-	-	2	-	1	-	-	-	-	-	-
101.2	-	1	3	2	1	-	3	-	-	2	-	-
101.3	2	-	3	-	-	2	3	1	-	-	-	-
101.4	3	2	3	-	-	-	-	-	-	-	-	-
101.5	-	-	-	2	2	1	-	1	-	1	-	-
101.6	-	-	2	1	2	-	3	-	-	2	-	-

Course Code: 66021102

Course Title : Basic Science Part-II

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
6	228	-	-	6	228	30	-	70	-	100	-

Course Outcomes (CO):

Sr. No.	Course Outcomes (CO)	Mapping of CO with Program Outcome (PO)
102.1	Apply research methodology and biostatistics to physiotherapy research.	PO1, PO6, PO10, PO12
102.2	Utilize educational technology in physiotherapy practice.	PO2, PO3, PO7
102.3	Demonstrate an understanding of ethical principles and administrative procedures in physiotherapy.	PO2, PO4, PO5, PO6, PO7
102.4	Evaluate the effectiveness of educational interventions in physiotherapy.	PO3, PO7
102.5	Develop and implement evidence-based physiotherapy practices	PO1, PO2, PO3, PO6, PO8, PO11
102.6	Understand the role of technology in physiotherapy education and practice.	PO1, PO10, PO11

.Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
102.1	3	-	-	-	-	2	-	-	-	2	-	3
102.2	-	2	2	-	-	-	3	-	-	-	-	-
102.3	-	2	-	1	3	2	3	-	-	-	-	-
102.4	-	-	3	-	-	-	2	-	-	-	-	-
102.5	3	1	3	-	-	3	-	2	-	-	3	-
102.6	3	-	-	-	-	-	-	-	-	1	1	-

Course Code: 66021103

Course Title : Advanced Physiotherapeutics (Clinical Applied & Allied Therapeutics, Medical & Surgical)

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
6	228	3	114	9	342	30	-	70	-	100	-

Course Outcomes (CO):

Sr. No.	Course Outcomes (CO)	Mapping of CO with Program Outcome (PO)
103.1	Understand the principles of evidence-based practice in physiotherapy	PO1, PO6, PO10
103.2	Understand the advanced physiotherapy techniques to manage various clinical conditions	PO1, PO3, PO4,
103.3	Demonstrate proficiency in applied and allied therapeutic management for various dysfunctions	PO2, PO3, PO4, PO7, PO8, PO11
103.4	Analyze the effectiveness of physiotherapy interventions in various Musculoskeletal and neurological conditions	PO2, PO3, PO4, PO5, PO6, PO7, PO10
103.5	Understand and demonstrate various manual Therapy techniques used in Physiotherapy managements	Po1 , PO6, PO7
103.6	Analyze and implement individualized rehabilitation programs for patients with medical and surgical conditions	PO2, PO3, PO4, PO5, PO6, PO7, PO10

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
103.1	3	1	-	-	-	3	-	-	-	1	-	-
103.2	3	-	3	1	-	-	-	-	-	-	-	-
103.3	-	-	3	1	-	-	3	2	-	-	-	-
103.4	-	2	3	2	1	2	2	-	-	1	-	-
103.5	3	-	-	-	-	-	2	-	-	-	-	-
103.6	-	2	3	2	1	2	2	-	-	1	-	-

Course Code: 66021104

Course Title : Non-Elective Case and Micro-Teaching

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
-	-	12	798	12	798	-	60	-	140	-	200

Course Outcomes (CO):

Sr. No.	Course Outcomes (CO)	Mapping of CO with Program Outcome (PO)
104.1	Develop clinical skills and competencies.	PO1, PO3, PO4, PO7,
104.2	Apply theoretical knowledge to clinical practice.	PO3, PO5, PO6, PO7, PO10
104.3	Interact effectively with patients and their families.	PO2, PO3, PO5, PO7, PO8, PO9
104.4	Analyze the treatment protocols with clinical reasoning and interdisciplinary approach	PO2, PO3, PO5, PO7
104.5	Demonstrate Professionalism and ethical behavior in clinical settings	PO1, PO3, PO4, PO7, PO10, PO11
104.6	Evaluate the effectiveness of clinical interventions with Prognosis	PO2, PO3, PO7, PO8, PO9, PO10, PO11

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
104.1	3	-	2	1	-	-	3	-	-	-	-	-
104.2	-	-	3	-	1	2	2	-	-	3	-	-
104.3	-	3	3	-	1	-	2	2	3	-	-	-
104.4	-	3	2	-	3	-	3	-	-	-	-	-
104.5	1	-	2	2	-	-	2	-	-	3	2	-
104.6	-	1	3	-	-	-	2	2	2	1	1	-





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MPT
BPT

CO-PO Mapping for Master of Physiotherapy

2nd YEAR MPT

Course Code : 66021201

Course Title : Physical & Functional Diagnosis – Part – I & II

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
3.5	133	3.5	133	7	266	30	-	70	-	100	-

Course Outcomes (CO):

Sr. No.	Course Outcomes (CO)	Mapping of CO with Program Outcome (PO)
201.1	Understand comprehensive physical examinations and functional assessments on Patients.	PO1, PO3, PO4,
201.2	Demonstrate various physical examinations and functional assessments on Patients	PO1, PO2, PO4, PO7
201.3	Interpret diagnostic tests and procedures	PO3, PO5, PO7
201.4	Apply various functional tests on patients and analyze functional diagnosis with evidences	PO2, PO3, PO4, PO6, PO7
201.5	Develop a differential diagnosis for various conditions	PO1, PO3, PO6, PO10
201.6	Communicate effectively with patients and other health care professionals	PO2, PO5, PO8, PO1

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
201.1	3	-	1	2	-	-	-	-	-	-	-	-
201.2	1	1	-	2	-	-	3	-	-	-	-	-
201.3	-	-	3	-	1	-	2	-	-	-	-	-
201.4	-	2	3	1	-	2	-	-	-	1	-	-
201.5	3	-	3	-	-	2	-	-	-	-	-	-
201.6	-	3	-	-	2	-	-	2	1	-	-	-



Course Code : 66021202-A/ 66021202-B/ 66021202-C

Course Title: Elective: I Basics, Assessment, and Evaluation

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
4	152	4	152	8	308	30	-	70	-	100	-

Course Outcomes (CO):

Sr. No.	Course Outcomes (CO)	Mapping of CO with Program Outcome (PO)
202.1	Demonstrate a deep understanding of fundamental concepts In physiotherapy	PO1, PO4, PO7
202.2	Apply advanced assessment techniques to evaluate patient function	PO2, PO3, PO6, PO7
202.3	Develop and implement effective evaluation strategies	PO3, PO6, PO7, PO8
202.4	Analyze and interpret assessment data	PO4, PO3, PO6, PO10
202.5	Communicate assessment findings effectively to the patients and care givers as well as to the other relevant departments	PO2, PO5, PO6, PO8, PO9
202.6	Utilize assessment results to inform treatment planning with evidences	PO1, PO2, PO3, PO6, PO8, PO10, PO11

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
202.1	3			2			3					
202.2		1	3			2	3					
202.3			2			1	3	1				
202.4	1		3			2				3		
202.5		3			3	1		1	2			
202.6	1	3	3			2		1		1	2	



Course Code : 66021203-A / 66021203-B/ 66021203-C

Course Title : Elective: Clinical Conditions & Physiotherapeutic Interventions

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
4	152	4	152	8	308	30	-	70	-	100	-

Course Outcomes (CO):

Sr. No.	Course Outcomes (CO)	Mapping of CO with Program Outcome (PO)
203.1	Understand the underlying pathophysiology and management of selected clinical conditions.	PO1, PO4
203.2	Demonstrate expertise in the assessment and evaluation of patients with particular conditions.	PO2, PO3, PO5, PO7, PO10
203.3	Develop and implement tailored rehabilitation programs for specific conditions.	PO3, PO5, PO6, PO7, PO9
203.4	Apply specialized physiotherapy techniques to manage specific clinical conditions.	PO2, PO3, PO4, PO5, PO6, PO9
203.5	Collaborate with other health care professionals in the treatment of specific conditions.	PO2, PO6, PO8, PO10
203.6	Evaluate the effectiveness of physiotherapy interventions for specific conditions.	PO2, PO4, PO7, PO9, PO10, PO11

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
203.1	3	-	-	2	-	-	-	-	-	-	-	-
203.2	-	1	2	-	1	-	3	-	-	1	-	-
203.3	-	-	3	-	1	2	2	-	2	-	-	-
203.4	-	1	3	2	2	2	-	-	2	-	-	-
203.5	-	3	-	-	-	1	-	3	-	1	-	-
203.6	-	2	-	1	-	-	2	-	2	2	1	-



Course Code : 66021204

Course Title : Dissertation

Teaching Scheme						Evaluation Scheme
Theory		Practical		Total		Pass/Fail
Credit	Hours	Credit	Hours	Credit	Hours	
-	-	4	152	4	152	

Course Outcomes (CO):

Sr. No.	Course Outcomes (CO)	Mapping of CO with Program Outcome (PO)
204.1	Conduct independent research on a physiotherapy related topic.	PO1, PO6, PO10, PO12
204.2	Develop a research question and hypothesis.	PO1, PO3, PO5, PO6, PO12
204.3	Design and conduct a research study effectively	PO3, PO12
204.4	Collect, analyze, and interpret data.	PO2, PO5, PO7, PO8, PO12
204.5	Write a comprehensive dissertation.	PO1, PO3, PO6, PO12
204.6	Present research findings effectively with its future scope and limitations	PO6, PO8, PO12

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
204.1	1	-	-	-	-	2	-	-	-	1	-	3
204.2	2	-	3	-	1	2	-	-	-	-	-	3
204.3	-	-	1	-	-	-	-	-	-	-	-	3
204.4	-	2	-	-	2	-	1	1	-	-	-	2
204.5	2	-	2	-	-	1	-	-	-	-	-	1
204.6	-	-	-	-	-	2	-	1	-	-	-	2

Course Code : 66021205

Course Title : Non – Elective Case + Elective Case (Separate for Each Elective);
Viva Voce

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
-	-	9	684	9	684	-	60	-	140	-	200

Course Outcomes (CO):

Sr. No.	Course Outcomes (CO)	Mapping of CO with Program Outcome (PO)
205.1	Demonstrate clinical skills and competencies.	PO1, PO3, PO4, PO7,
205.2	Apply theoretical knowledge to clinical practice.	PO3, PO5, PO6, PO7, PO10
205.3	Interact effectively with patients and their families.	PO2, PO3, PO5, PO7, PO8, PO9
205.4	Apply treatment protocols considering evidence based knowledge with clinical reasoning	PO2, PO3, PO5, PO7
205.5	Demonstrate professionalism and ethical behavior in clinical settings.	PO1, PO3, PO4, PO7, PO10, PO11
205.6	Evaluate the effectiveness of clinical interventions with Prognosis	PO2, PO3, PO7, PO8, PO9, PO10, PO11

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
205.1	3	-	2	1	-	-	3	-	-	-	-	-
205.2	-	-	3	-	1	2	2	-	-	3	-	-
205.3	-	3	3	-	1	-	2	2	3	-	-	-
205.4	-	3	2	-	3	-	3	-	-	-	-	-
205.5	1	-	2	2	-	-	2	-	-	3	2	-
205.6	-	1	3	-	-	-	2	2	2	1	1	-



PROGRAM OUTCOMES (PO) – BACHELOR OF PHYSIOTHERAPY (BPT)

PO1: Foundational Knowledge Mastery

Graduates will remember and understand basic and core subjects such as anatomy, physiology, and foundational biomedical sciences essential for physiotherapy practice.

PO2: Proficient Professional Communication

Graduates will apply and demonstrate verbal and written communication skills effectively in professional interactions with patients, interdisciplinary teams, and healthcare systems.

PO3: Clinical Reasoning and Judgement

Graduates will analyze and evaluate complex clinical cases, applying critical thinking to tailor physiotherapeutic strategies according to patient-specific needs.

PO4: Conceptual Understanding of Core Disciplines

Graduates will comprehend and explain physiotherapy-related concepts such as biomechanics, kinesiology, and therapeutic modalities to support clinical reasoning and interventions.

PO5: Ethical and Cultural Competence

Graduates will demonstrate and practice ethical principles, empathy, and cultural sensitivity in professional conduct and patient care.

PO6: Evidence-Based Practice Literacy

Graduates will identify and apply basic research methods and critical appraisal skills to incorporate evidence-based practices in routine clinical decision-making.

PO7: Practical Competency in Therapeutic Techniques

Graduates will apply and implement physiotherapeutic interventions using hands-on techniques to manage and treat diverse health conditions effectively.

PO8: Interdisciplinary Knowledge Synthesis

Graduates will integrate and synthesize information from biomedical, clinical, and behavioral sciences to deliver comprehensive and patient-centered care.

PO9: Patient Education and Counseling Proficiency

Graduates will communicate and facilitate health education, empowering patients through effective counseling to promote treatment adherence and active participation.



PO10: Data-Driven Clinical Analysis

Graduates will evaluate and interpret clinical data and outcome measures to optimize treatment plans and improve rehabilitation outcomes.

PO11: Innovative Clinical Problem-Solving

Graduates will critically assess and innovate, challenging traditional practices through systematic evaluation to enhance physiotherapy quality and effectiveness.

PO12: Advanced Research Design and Contribution

Graduates will design, conduct, and contribute original research, utilizing higher-order research skills to expand the physiotherapy knowledge base and improve clinical practice.



CO-PO Mapping Bachelor of Physiotherapy

(BPT) 1st YEAR

Course Title: Human Anatomy

Course Code: 63011101

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
5	190	3	114	8	304	70	30	70	30	100	100

CO No.	Course Outcomes	Mapping of CO with Program Outcome
101.1	Understanding of the anatomical structures and functions of the human body.	PO1,
101.2	Apply anatomical knowledge to understand the underlying mechanisms of various diseases and injuries.	PO1, PO3, PO7
101.3	Analyze and interpret anatomical images (e.g., X-rays, CT scans, MRIs).	PO1, PO3, PO6, PO7, PO8
101.4	Demonstrate proficiency in anatomical terminology and nomenclature.	PO1, PO2, PO3, PO7
101.5	Identify and demonstrate the major anatomical regions and structures of the human body.	PO1, PO2, PO3, PO4, PO7
101.6	Correlate anatomical structures with physiological functions.	PO3, PO4, PO7, PO8

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
101.1	3	-	-	-	-	-	-	-	-	-	-	-
101.2	3	-	2	-	-	-	3	-	-	-	-	-
101.3	2	-	3	-	-	1	2	2	-	-	-	-
101.4	3	1	1	-	-	-	2	-	-	-	-	-
101.5	3	2	1	1	-	-	3	-	-	-	-	-
101.6	-	-	1	1	-	-	2	3	-	-	-	-



Course Title: Human Physiology & Biochemistry

Course Code: 63011102

Physiology:

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
3.5	133	3	114	6.5	247	20	30	50	70	70	100

Biochemistry:

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
1.5	57	-	-	1.5	57	10	-	20	-	30	-

CO No.	Course Outcomes	Mapping of CO with Program Outcome
102.1	Understand the physiological functions of various body systems.	PO1
102.2	Correlate physiological processes with biochemical pathways and their relevance to human health.	PO1, PO3, PO6, PO7, PO8
102.3	Analyze physiological and biochemical data for the normal and abnormal functions of the human body	PO1, PO3, PO7
102.4	Demonstrate all basic skills of the clinical examinations of CVS, RS, CNS and also skills of recognizing ECG, Spirometry and Hematology	PO1, PO2, PO3, PO6, PO7, PO8
102.5	Apply physiological and biochemical principles to understand the effects of physical activity and exercise on the human body.	PO1, PO3
102.6	Understand the functions and roles of micronutrients and macronutrients, enzymes in humans.	PO1

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
102.1	3	-	-	-	-	-	-	-	-	-	-	-
102.2	3	-	1	-	-	1	3	2	-	-	-	-
102.3	3	-	1	-	-	-	3	-	-	-	-	-
102.4	3	2	1	-	-	1	3	1	-	-	-	-
102.5	3	-	2	-	-	-	-	-	-	-	-	-
102.6	3	-	-	-	-	-	-	-	-	-	-	-



Course Title: Fundamentals of Biomedical Physics

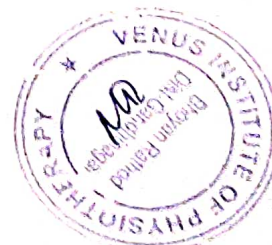
Course Code: 63011103

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
3	114	2	76	5	190	30	30	70	70	100	100

CO No.	Course Outcomes	Mapping of CO with Program Outcome
103.1	Understand the basic principles of physics as applied to biological systems.	PO1, PO4, PO6, PO7
103.2	Analyze the biomechanical properties of tissues and organs.	PO1
103.3	Apply biophysical concepts to understand physiological processes.	PO1, PO3
103.4	Understand the principles of superficial and deep heating modalities and its applications.	PO1, PO6, PO7, PO8
103.5	Understand the application of various modalities on models.	PO1, PO7
103.6	Apply biophysical knowledge to use appropriately all the medical devices.	PO1, PO4, PO6, PO7

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
103.1	3	-	-	1	-	1	2	-	-	-	-	-
103.2	3	-	-	-	-	-	-	-	-	-	-	-
103.3	2	-	2	-	-	-	-	-	-	-	-	-
103.4	3	-	1	-	-	2	3	1	-	-	-	-
103.5	3	-	-	-	-	-	3	-	-	-	-	-
103.6	2	-	-	1	-	1	3	-	-	-	-	-





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Course Title: Psychology & Sociology

Course Code: 63011104

Psychology

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
1.5	57	-	-	1.5	57	15	-	35	-	50	-

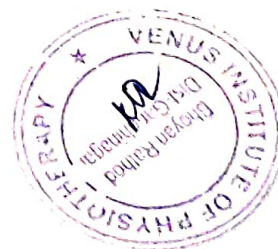
Sociology:

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
1.5	57	-	-	1.5	57	15	-	35	-	50	-

CO No.	Course Outcomes	Mapping of CO with Program Outcome
104.1	Understand the principles and theories of psychology.	PO1
104.2	Apply psychological concepts to understand human behavior and mental processes.	PO1, PO2, PO5
104.3	Develop an understanding of the psychological & Social factors influencing health and well-being.	PO1, PO2
104.4	Demonstrate an awareness of ethical issues in psychology.	PO1, PO4, PO5
104.5	Understand the basic concepts and theories of sociology.	PO1
104.6	Understand the impact of social factors on individual behaviour and society.	PO1, PO5

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
104.1	3	-	-	-	-	-	-	-	-	-	-	-
104.2	3	1	-	-	3	-	-	-	-	-	-	-
104.3	2	1	-	-	-	-	-	-	-	-	-	-
104.4	2	-	-	1	3	-	-	-	-	-	-	-
104.5	3	-	-	-	-	-	-	-	-	-	-	-
104.6	3	-	-	-	3	-	-	-	-	-	-	-



SWARRNIM STARTUP & INNOVATION UNIVERSITY

VENUS INSTITUTE OF PHYSIOTHERAPY

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Course Title: Exercise Therapy I and Soft Tissue Manipulation

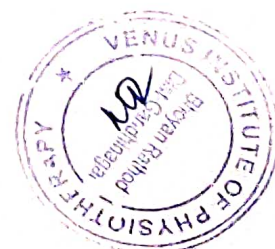
Course Code: 63011105

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
3	114	3	114	6	228	30	30	70	70	100	100

CO No.	Course Outcomes	Mapping of CO with Program Outcome
105.1	Understand exercise therapy techniques to improve physical function and rehabilitation.	PO1, PO2, PO3, PO4
105.2	Demonstrate various soft tissue manipulation techniques and exercise therapeutics on models.	PO1, PO2, PO7
105.3	Evaluate the effectiveness of exercise therapy and soft tissue manipulation.	PO1, PO2, PO7
105.4	Understand individualized exercise therapy programs with clinical reasoning.	PO1, PO3, PO5, PO7, PO11
105.5	Understand and remember the biomechanics of movement and exercise.	PO1, PO7
105.6	Analyze the use of exercise therapy and soft tissue manipulation in various musculoskeletal disorders.	PO1, PO2, PO3, PO7

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
105.1	3	1	1	1	-	-	-	-	-	-	-	-
105.2	3	1	1	-	-	-	3	-	-	-	-	-
105.3	3	2	1	-	-	-	2	-	-	-	-	-
105.4	2	-	3	-	1	-	3	-	-	-	2	-
105.5	3	-	-	-	-	-	3	-	-	-	-	-
105.6	3	2	3	-	-	-	2	-	-	-	-	-



Course Title: Orientation Program In Startup And Entrepreneurship

Course Code: 12300020

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
3	114	-	-	3	114	50	-	50	-	100	-

CO No.	Course Outcomes	Mapping of CO with Program Outcome
21.1	Understand the concepts of innovation and entrepreneurship.	PO1, PO8
21.2	Identify and evaluate opportunities for innovation and entrepreneurship in the healthcare sector.	PO1, PO3, PO8
21.3	Develop entrepreneurial skills, such as problem-solving, creativity, decision-making.	PO1, PO2, PO3, PO5, PO7
21.4	Analyze a business plan for a healthcare-related venture.	PO1, PO2, PO6
21.5	Understand the legal and ethical considerations of entrepreneurship.	PO1, PO2, PO5
21.6	Understand the importance of network of contacts in the healthcare and business community.	PO2, PO7, PO8

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21.1	3	-	-	-	-	-	-	1	-	-	-	-
21.2	3	-	1	-	-	-	-	1	-	-	-	-
21.3	2	2	3	-	1	-	2	-	-	-	-	-
21.4	1	2	-	-	-	2	-	-	-	-	-	-
21.5	2	1	-	-	3	-	-	-	-	-	-	-
21.6	-	2	-	-	-	-	3	1	-	-	-	-



Pathology

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
2	76	-	-	2	76	15	-	35	-	50	-

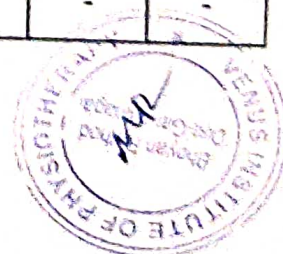
Microbiology

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
2	76	-	-	2	76	15	-	35	-	50	-

CO No.	Course Outcomes	Mapping of CO with Program Outcome
201.1	Understand the principles and techniques of pathology and Microbiology.	PO1, PO3
201.2	Identify diseases through microscopic examination.	PO1, PO7
201.3	Correlate pathologic findings with clinical manifestations.	PO1, PO3
201.4	Understand the pathogenesis of various diseases.	PO1
201.5	Understand microorganisms & the structures, functions and metabolisms in human health and disease.	PO1
201.6	Understand the role of microorganisms in human health and disease.	PO1

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
201.1	3	-	1	-	-	-	-	-	-	-	-	-
201.2	3	-	-	-	-	-	2	-	-	-	-	-
201.3	2	-	2	-	-	-	-	-	-	-	-	-
201.4	3	-	-	-	-	-	-	-	-	-	-	-
201.5	3	-	-	-	-	-	-	-	-	-	-	-
201.6	3	-	-	-	-	-	-	-	-	-	-	-



SWARNIM STARTUP & INNOVATION UNIVERSITY
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 Approved by Government of Odisha & CBET

Course Title : Pharmacology

Course Code: 63011202

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
2	76	-	-	2	76	30	-	70	-	100	-

CO No.	Course Outcomes	Mapping of CO with Program Outcome
202.1	Understand the principles of pharmacology.	PO1
202.2	Classify drugs based on their therapeutic actions and mechanisms of action.	PO1, PO7
202.3	Evaluate the safety and efficacy of drugs.	PO1
202.4	Apply pharmacological knowledge to patient care and treatment planning.	PO1, PO2, PO3, PO8
202.5	Understand the pharmacokinetics and pharmacodynamics of drugs.	PO1
202.6	Understanding of drug interactions and adverse effects.	PO1

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
202.1	3	-	-	-	-	-	-	-	-	-	-	-
202.2	3	-	-	-	-	-	2	-	-	-	-	-
202.3	2	-	-	-	-	-	-	-	-	-	-	-
202.4	3	1	2	-	-	-	-	1	-	-	-	-
202.5	3	-	-	-	-	-	-	-	-	-	-	-
202.6	3	-	-	-	-	-	-	-	-	-	-	-



Course Title: Exercise Therapy II

Course Code: 63011203

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
4	152	3	114	7	266	30	30	70	70	100	100

CO No.	Course Outcomes	Mapping of CO with Program Outcome
203.1	Understand advanced exercise therapy techniques to improve physical function and rehabilitation.	PO1, PO2, PO7
203.2	Demonstrate various exercise therapy techniques used for various conditions.	PO1, PO2, PO4, PO5, PO6, PO7
203.3	Understand the progress to assess and evaluate of patients undergoing exercise therapy.	PO1, PO2, PO3, PO7, PO9
203.4	Understand the biomechanics of movement in various populations.	PO1, PO2, PO7
203.5	Analyze the use of exercise therapy principles in the management of various diseases.	PO1, PO2, PO3, PO4, PO5, PO7, PO8
203.6	Collaborate with other healthcare professionals to provide.	PO3, PO4, PO7, PO8

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
203.1	3	2	-	-	-	-	3	-	-	-	-	-
203.2	2	2	-	1	1	1	3	-	-	-	-	-
203.3	3	2	2	-	-	-	3	-	1	-	-	-
203.4	3	1	-	-	-	-	3	-	-	-	-	-
203.5	2	2	3	1	1	-	3	1	-	-	-	-
203.6	-	-	3	1	-	-	-	2	-	-	-	-



Course Title : Biomechanics & Kinesiology

Course Code: 63011204

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
3	114	-	-	3	114	30	-	70	-	100	-

CO No.	Course Outcomes	Mapping of CO with Program Outcome
204.1	Understand the principles of biomechanics and kinesiology.	PO1
204.2	Analyze human movement using biomechanical techniques.	PO1, PO7
204.3	Evaluate the biomechanical factors contributing to pathology, injury and dysfunction.	PO1, PO2, PO7
204.4	Apply biomechanical principles to the design of exercise programs and rehabilitation interventions.	PO1, PO2, PO3
204.5	Understand the role of biomechanics in sports performance.	PO1
204.6	Analyze biomechanical variants and analysis with clinical reasoning.	PO1, PO2, PO3, PO4

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
204.1	3	-	-	-	-	-	-	-	-	-	-	-
204.2	2	-	-	-	-	-	2	-	-	-	-	-
204.3	3	1	-	-	-	-	3	-	-	-	-	-
204.4	2	1	3	-	-	-	-	-	-	-	-	-
204.5	3	-	-	-	-	-	-	-	-	-	-	-
204.6	3	1	3	2	-	-	-	-	-	-	-	-



Course Title: Psychiatry

Course Code: 63011205

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
2	76	-	-	2	76	30	-	70	-	100	-

CO No.	Course Outcomes	Mapping of CO with Program Outcome
205.1	Understand the principles and theories of psychiatry.	PO1
205.2	Understand various mental health disorders with reasoning.	PO1
205.3	Apply psychiatric knowledge to the management of patients with mental health conditions.	PO1, PO2, PO3, PO8, PO9
205.4	Understand the role of psychosocial factors in mental health.	PO1
205.5	Understand the importance of psychosocial issues in the various diseases.	PO1
205.6	Demonstrate an awareness of ethical issues in psychiatry.	PO1, PO2, PO6, PO8

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
205.1	3	-	-	-	-	-	-	-	-	-	-	-
205.2	3	-	-	-	-	-	-	-	-	-	-	-
205.3	3	2	1	-	-	-	1	1	-	-	-	-
205.4	3	-	-	-	-	-	-	-	-	-	-	-
205.5	3	-	-	-	-	-	-	-	-	-	-	-
205.6	2	1	-	-	3	1	-	-	-	-	-	-



Course Title : Electrotherapy

Course Code: 63011206

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
4	152	3	114	7	266	30	30	70	70	100	100

CO No.	Course Outcomes	Mapping of CO with Program Outcome
206.1	Understand the principles of electrotherapy.	PO1
206.2	Apply various electrotherapy modalities to treat different conditions.	PO1, PO2, PO4, PO5, PO7
206.3	Assess and evaluate the effectiveness of electrotherapy.	PO1, PO2, PO7
206.4	Understand the biophysical effects of electrical currents on tissues.	PO1
206.5	Analyze the usage of appropriate electrotherapy parameters for different conditions.	PO1, PO2, PO3, PO7
206.6	Demonstrate proficiency in the use of electrotherapy equipment.	PO1, PO2, PO3, PO7

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
206.1	3	-	-	-	-	-	-	-	-	-	-	-
206.2	3	1	-	2	1	-	3	-	-	-	-	-
206.3	3	1	-	-	-	-	3	-	-	-	-	-
206.4	3	-	-	-	-	-	-	-	-	-	-	-
206.5	2	1	3	-	-	-	3	-	-	-	-	-
206.6	3	2	1	-	-	-	3	-	-	-	-	-



Course Title: Community Medicine

Course Code: 63011207

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
2	76	-	-	2	76	30	-	70	-	100	-

CO No.	Course Outcomes	Mapping of CO with Program Outcome
207.1	Understand the principles of community medicine.	PO1
207.2	Understand the health needs of a community for all age groups, gender, occupations.	PO1, PO2, PO3, PO4, PO5, PO9
207.3	Know about the natural resources, ecosystem, biodiversity and its conservation, environmental protection in community health programs.	PO1, PO3, PO6, PO8
207.4	Evaluate the effectiveness of community health interventions.	PO1, PO2, PO3, PO7
207.5	Understand the role of public health in disease prevention and control.	PO1, PO2
207.6	Understand the importance to Collaborate with community partners to address health issues.	PO1, PO2, PO3, PO8

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
207.1	3	-	-	-	-	-	-	-	-	-	-	-
207.2	3	2	1	1	1	-	-	-	1	-	-	-
207.3	3	-	2	-	-	1	-	2	-	-	-	-
207.4	2	1	1	-	-	-	2	-	-	-	-	-
207.5	3	1	-	-	-	-	-	-	-	-	-	-
207.6	3	2	2	-	-	-	-	2	-	-	-	-



Course Title: Intermediate & Advanced Program in Entrepreneurship

Course Code: 12300021

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
3	114	-	-	3	114	50	-	50	-	100	-

CO No.	Course Outcomes	Mapping of CO with Program Outcome
21.1	Demonstrate advanced entrepreneurial skills and competencies.	PO1
21.2	Understand how to implement a comprehensive business plan.	PO1
21.3	Understand how to Raise capital and secure funding for entrepreneurial ventures.	PO1
21.4	Understand how to Manage and grow a business enterprise.	PO1
21.5	Understand the legal and financial aspects of entrepreneurship.	PO1, PO5
21.6	Network with other entrepreneurs and industry professionals.	PO1, PO8

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
21.1	3	-	-	-	-	-	-	-	-	-	-	-
21.2	3	-	-	-	-	-	-	-	-	-	-	-
21.3	3	-	-	-	-	-	-	-	-	-	-	-
21.4	3	-	-	-	-	-	-	-	-	-	-	-
21.5	3	-	-	-	2	-	-	-	-	-	-	-
21.6	3	-	-	-	-	-	-	2	-	-	-	-



CO-PO Mapping for Bachelor of Physiotherapy (BPT) 3rd YEAR

Course Title: Medicine-1 (General Medicine, Cardio-Respiratory Medicine, and Dermatology)

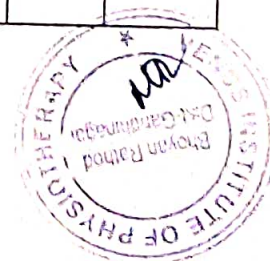
Course Code: 63011301

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
5	190	-	-	5	190	30	-	70	-	100	-

CO No.	Course Outcomes	Mapping of CO with Program Outcome
301.1	Understanding of general medicine, cardiology, respiratory medicine, and dermatology.	PO1, PO6, PO7, PO8
301.2	Diagnose and manage various medical conditions in these specialties with reasoning.	PO1, PO2, PO3, PO6, PO7, PO8, PO10, PO11
301.3	Apply clinical reasoning and problem-solving skills to treatment and patient care.	PO3, PO4, PO5, PO7, PO8, PO9, PO10, PO11
301.4	Understand the appropriate management for patient in ICU.	PO1, PO3, PO6, PO7, PO8
301.5	Communicate effectively with patients and their families.	PO1, PO2, PO3, PO4, PO5, PO8, PO9
301.6	Interpret chest X-ray, PFT, Blood Investigation for various medical conditions.	PO3, PO4, PO7, PO8

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
301.1	3	-	-	-	-	2	1	2	-	-	-	-
301.2	2	2	3	-	-	2	1	2	-	2	1	-
301.3	-	-	3	2	1	-	2	2	3	2	1	-
301.4	3	-	2	-	-	2	2	1	-	-	-	-
301.5	2	3	2	1	2	-	-	1	3	-	-	-
301.6	-	-	3	2	-	-	2	2	-	-	-	-



Course Title: Medicine-2 (Neurology and Pediatrics)

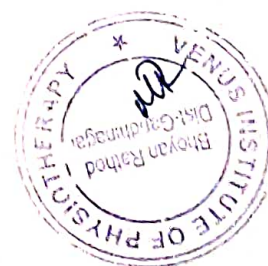
Course Code: 63011302

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
4	152	-	-	4	152	30	-	70	-	100	-

CO No.	Course Outcomes	Mapping of CO with Program Outcome
302.1	Understanding of various issues/diseases in neurology, pediatrics, surgery, obstetrics, and gynecology.	PO1, PO3, PO4, PO6, PO7
302.2	Diagnose and manage various medical and surgical conditions with clinical reasoning.	PO2, PO3, PO5, PO6, PO7, PO9, PO10, PO11
302.3	Understand various surgical procedures required to treat diseases.	PO1, PO2, PO3, PO4, PO8
302.4	Understand prenatal and postnatal care management and post-menopausal problem management.	PO1, PO3, PO4, PO5, PO6, PO7, PO8, PO10
302.5	Understand the management of pediatric conditions and care for families.	PO1, PO2, PO3, PO4, PO5, PO7
302.6	Collaborate with other healthcare professionals to provide comprehensive care.	PO2, PO3, PO5, PO6, PO7, PO8, PO10, PO11

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
302.1	3	-	2	1	-	1	2	-	-	-	-	-
302.2	-	3	3	-	2	1	2	-	2	1	1	-
302.3	2	1	2	2	-	-	-	2	-	-	-	-
302.4	3	-	2	1	2	2	2	2	-	2	-	-
302.5	2	1	2	2	2	-	2	-	-	-	-	-
302.6	-	2	3	-	2	1	3	3	-	-	1	-



Course Title: Surgery (General Surgery, Plastic Surgery, Neuro-Surgery & Cardio Thoracic Surgery) & Obstetrics and Gynaecology

Course Code: 63011303

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
5	190	-	-	5	190	30	-	70	-	100	-

CO No.	Course Outcomes	Mapping of CO with Program Outcome
303.1	Understand the various surgeries stepwise performed for abdominal, thoracic, neurological, and peripheral vascular diseases.	PO1, PO4
303.2	Describe the effect and complications of anesthesia used for surgeries.	PO1, PO3, PO4
303.3	Understand the surgical management of wound, ulcer, and burns.	PO1
303.4	Understand various obstetric and gynecological conditions with antenatal and postnatal care.	PO1
303.5	Analyze various differential diagnosis techniques with reasoning.	PO1, PO3, PO5, PO7, PO8, PO9
303.6	Communicate effectively with patient and caregivers	PO2, PO5, PO7, PO8, PO9, PO10

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
303.1	3	-		1	-	-	-	-	-	-	-	-
303.2	3	-	2	1	-	-	-	-	-	-	-	-
303.3	3	-	-	-	-	-	-	-	-	-	-	-
303.4	3	-	-	-	-	-	-	-	-	-	-	-
303.5	2	-	3	-	2	-	3	2	1	-	-	-
303.6	-	3	-	-	2	-	3	2	3	1	-	-



Course Title: Orthopaedic (Traumatic and Non-Traumatic)

Course Code: 63011304

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
5	152	-	-	5	152	30	-	70	-	100	-

CO No.	Course Outcomes	Mapping of CO with Program Outcome
304.1	Understanding of various orthopaedic conditions (Traumatic and Non-traumatic).	PO1, PO4, PO6, PO7
304.2	Diagnose and manage traumatic and non-traumatic orthopaedic injuries.	PO2, PO3, PO4, PO5, PO6, PO7, PO9, PO10, PO11
304.3	Interpret X-ray of spine and limb with clinical findings.	PO1, PO3, PO4, PO5, PO6, PO7, PO9, PO10
304.4	Discuss the treatment of congenital and acquired orthopaedic conditions.	PO1, PO3, PO4, PO6, PO7, PO8
304.5	Apply biomechanical principles to orthopaedic care.	PO3, PO4, PO7, PO8, PO10
304.6	Analyze various diagnostics procedures used for treatment of orthopaedic conditions.	PO3, PO4, PO7

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
304.1	3	-	2	1		1	2	-	-	-	-	-
304.2	-	3	3	2	2	1	2	-	2	1	1	-
304.3	2	-	3	2	1	2	2	-	2	1	-	-
304.4	3	-	2	2	-	1	2	2	-	-	-	-
304.5	-	-	3	1	-	-	2	2	-	1	-	-
304.6	-	-	3	2	-	-	2		-	-	-	-



Course Title: Physical and Functional Diagnosis

Course Code: 63011305

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
3	144	3	114	6	228	30	30	70	70	100	100

CO No.	Course Outcomes	Mapping of CO with Program Outcome
305.1	Understand and demonstrate skills of physical examinations and functional assessments of patients.	PO1, PO2, PO3, PO4, PO5
305.2	Interpret diagnostic tests and procedures.	PO2, PO3, PO4, PO6, PO7
305.3	Analyze a differential diagnosis for various conditions with clinical reasoning.	PO1, PO2, PO3, PO4
305.4	Analyze physiological and biomechanical bases of movement dysfunctions and apply to functional diagnosis.	PO2, PO3, PO4, PO5, PO6, PO7
305.5	Communicate effectively with patients and caregivers related to health conditions.	PO2, PO3, PO7, PO9, PO11
305.6	Demonstrate the case taking abilities, document the same, and understand the diagnosis.	PO2, PO5, PO7, PO8, PO9, PO10, PO11

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
305.1	3	3	2	2	1	-	-	-	-	-	-	-
305.2	-	1	3	2	-	1	2	-	-	-	-	-
305.3	1	2	3	2	-	-	-	-	-	-	-	-
305.4	2	2	3	3	2	1	3	-	-	-	-	-
305.5	-	3	2	-	-	-	1	-	2	-	1	-
305.6	-	2	1	-	2	-	3	2	3	2	1	-



Course Title: Expert Program in Entrepreneurship and IPR

Course Code: 12300022

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
3	144	-	-	3	114	50	-	50	-	100	-

CO No.	Course Outcomes	Mapping of CO with Program Outcome
22.1	Understand advanced entrepreneurial skills and competencies.	PO1
22.2	Formulate a comprehensive business plan.	PO3, PO7, PO12
22.3	Analyze how to raise capital and secure funding for entrepreneurial ventures.	PO1, PO7
22.4	Understand the legal and financial aspects of entrepreneurship and intellectual property rights (IPR).	PO1, PO3, PO8
22.5	Understand the importance of networking with other entrepreneurs and industry professionals for project making.	PO1, PO3, PO11, PO12

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
22.1	3	-	-	-	-	-	-	-	-	-	-	-
22.2	-	-	2	-	-	-	3	-	-	-	-	1
22.3	3	-	-	-	-	-	2	-	-	-	-	-
22.4	2	-	2	-	-	-	-	1	-	-	-	-
22.5	3	-	2	-	-	-	-	-	-	-	1	1



CO-PO Mapping for Bachelor of Physiotherapy (BPT) 4th Year

Course Title: Physiotherapy in Neurological Conditions

Course Code: 63011401

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
2	76	2	76	4	152	30	30	70	70	100	100

CO No.	Course Outcomes	Mapping of CO with Program Outcome
401.1	Understand the principles of neurorehabilitation and management of neurological conditions.	PO1, PO4, PO5, PO7, PO8
401.2	Demonstrate physiotherapy techniques to manage neurological conditions.	PO1, PO2, PO3, PO4, PO5, PO7, PO9, PO10
401.3	Assess and evaluate patients with neurological disorders and make diagnosis with learning.	PO1, PO2, PO3, PO5, PO6, PO7, PO8, PO9, PO10
401.4	Develop individualized rehabilitation programs for neurological patients.	PO3, PO4, PO7
401.5	Collaborate with other healthcare professionals in the management of neurological conditions.	PO2, PO7, PO8
401.6	Demonstrate proficiency in neurodiagnostic tests.	PO1, PO3, PO4, PO7, PO11

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
401.1	3	-	-	3	2	-	2	2	-	-	-	-
401.2	2	1	3	3	1	-	3		1	1	-	-
401.3	2	3	2	-	1	2	1	1	2	3	-	-
401.4	-	-	3	3	-	-	2	-	-	-	-	-
401.5	-	1	-	-	-	-	2	3	-	-	-	-
401.6	2	-	3	2	-	-	2	-	-	-	1	-



Course Title: Physiotherapy in Musculoskeletal Conditions

Course Code: 63011402

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
2	76	2	76	4	152	30	30	70	70	100	100

CO No.	Course Outcomes	Mapping of CO with Program Outcome
402.1	Understand the biomechanics of musculoskeletal function.	PO1, PO4, PO5, PO7, PO8
402.2	Demonstrate physiotherapy techniques to manage musculoskeletal disorders.	PO1, PO2, PO4, PO7, PO9, PO10
402.3	Assess and evaluate patients with musculoskeletal conditions and make functional diagnosis with reasoning.	PO1, PO6, PO7, PO8, PO9, PO10
402.4	Develop individualized rehabilitation programs for musculoskeletal patients.	PO7, PO9
402.5	Collaborate with orthopedic surgeons and other healthcare professionals.	PO7, PO8
402.6	Demonstrate proficiency in musculoskeletal assessment techniques.	PO1, PO3, PO7, PO4, PO5, PO11

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
402.1	3	-	-	3	2	-	2	2	-	-	-	-
402.2	2	1	-	2	-	-	3	-	1	1	-	-
402.3	2	-	-	-	-	2	1	2	2	3	-	-
402.4	-	-	-	-	-	-	2	-	1	-	-	-
402.5	-	-	-	-	-	-	2	3	-	-	-	-
402.6	2	-	3	2	2	-	3	-	-	-	1	-



Course Title: Physiotherapy in Medical and Surgical Conditions

Course Code: 63011404

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
2	76	2	76	4	152	30	30	70	70	100	100

CO No.	Course Outcomes	Mapping of CO with Program Outcome
404.1	Apply physiotherapy techniques to manage a variety of medical and surgical conditions.	PO1, PO4, PO6, PO7
404.2	Assess and evaluate patients with medical and surgical conditions.	PO2, PO3, PO4, PO7, PO9, PO10
404.3	Develop individualized rehabilitation programs for patients post-surgery or illness.	PO3, PO5, PO6, PO7, PO10, PO11
404.4	Understand the principles of wound care and tissue healing.	PO1, PO3, PO4, PO7, PO9, PO11
404.5	Collaborate with physicians and surgeons in the management of medical and surgical conditions.	PO1, PO2, PO8
404.6	Demonstrate proficiency in post-operative rehabilitation techniques.	PO1, PO3, PO7, PO11

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
404.1	3	-	-	3	-	2	2	-	-	-	-	-
404.2	-	2	3	3	-	-	3	-	1	1	-	-
404.3	-	-	3	2	2	2	3	-	-	3	2	-
404.4	2	-	3	3	-	-	3	-	2	-	1	-
404.5	1	2	-	-	-	-	-	3	-	-	-	-
404.6	3	-	3	-	-	-	3	-	-	-	1	-



SWARRNIM STARTUP & INNOVATION UNIVERSITY
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Course Title: Physiotherapy in Rehabilitation and Allied Therapeutics

Course Code: 63011405

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
2	76	2	76	4	152	30	30	70	70	100	100

CO No.	Course Outcomes	Mapping of CO with Program Outcome
405.1	Understand the principles of rehabilitation and its role in patient recovery.	PO1, PO4, PO6, PO7
405.2	Apply physiotherapy techniques in conjunction with other allied health therapies.	PO2, PO3, PO4, PO5, PO6, PO7
405.3	Coordinate rehabilitation programs involving multiple healthcare professionals.	PO2, PO6, PO8, PO9
405.4	Understand and analyze the applications of orthosis and prosthesis.	PO1, PO3, PO5
405.5	Demonstrate proficiency in rehabilitation techniques and equipment.	PO1, PO2, PO3, PO6, PO7, PO9
405.6	Analyze various functional scales used for the assessment & diagnosis of the patients.	PO3, PO4, PO10

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	-	-	3	-	2	2	-	-	-	-	-
CO2	-	2	3	3	2	1	3	-	-	-	-	-
CO3	-	1	-	-	-	2	-	3	2	-	-	-
CO4	3	-	2	-	2	-	-	-	-	-	-	-
CO5	1	2	2	-	-	2	2	-	3	-	-	-
CO6	-	-	3	2	-	-	-	-	-	2	-	-



Course Title: Biostatistics and Research Methodology

Course Code: 63011406

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
3	114	-	-	3	114	30	-	70	-	100	-

CO No.	Course Outcomes	Mapping of CO with Program Outcome
406.1	Understand the principles of biostatistics and research methodology.	PO1, PO4, PO6, PO10
406.2	Collect, analyze, and interpret data using statistical methods.	PO3, PO4, PO5, PO10, PO11, PO12
406.3	Understand the basics of Review of literature, research studies.	PO1, PO6, PO7, PO10, PO11, PO12
406.4	Evaluate the validity and reliability of research findings and evidence based practice.	PO3, PO6, PO8, PO10, PO11
406.5	Apply research methods to clinical practice.	PO2, PO3, PO6, PO7, PO10, PO11
406.6	Demonstrate proficiency in statistical software.	PO1, PO4, PO7

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
406.1	3	-		2	-	-	2	-	-	1	-	-
406.2	-	-	2	2	1	-	-	-	-	3	2	2
406.3	2	-		-	-	3	3	-	-	2	2	3
406.4	-	-	2	-	-	2		3	-	3	2	-
406.5	-	1	2	-	-	2	3	-	-	2	1	2
406.6	3	-	-	2	-	-	3	-	-	-	-	-





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Course Title : Start-Up Project

Course Code: 12300023

Teaching Scheme						Evaluation Scheme					
Theory		Practical		Total		Internal		External		Total	
Credit	Hours	Credit	Hours	Credit	Hours	Th.	Pr	Th.	Pr	Th.	Pr
-	-	3	114	3	114	-	50	-	50	-	100

CO No.	Course Outcomes	Mapping of CO with Program Outcome
23.1	Develop entrepreneurial skills and competencies.	PO1, PO7
23.2	Create a business plan for a physiotherapy-related venture.	PO2, PO6
23.3	Understand methods of Raise capital and secure funding for the venture.	PO1, PO2
23.4	Demonstrate methods/plans to manage and grow the business.	PO5, PO6, PO11
23.5	Understand the legal and financial aspects of entrepreneurship.	PO1
23.6	Conduct a Project related to startup / Entrepreneurship.	PO2, PO6, PO7, PO10, PO11, PO12

Mapping of CO with Program Outcome (PO)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
23.1	3	-	-	-	-	-	3	-	-	-	-	-
23.2	-	2	-	-	-	2	-	-	-	-	-	-
23.3	3	1	-	-	-	-	-	-	-	-	-	-
23.4	-	-	-	-	1	1	-	-	-	-	2	-
23.5	2	-	-	-	-	-	-	-	-	-	-	-
23.6	-	2	-	-	-	3	1	-	-	2	2	3

