



INTEGRAL UNIVERSITY, LUCKNOW

INTEGRAL INSTITUTE OF ALLIED HEALTH SCIENCES

DEPARTMENT OF PHYSIOTHERAPY

MASTER OF PHYSIOTHERAPY

(MPT)

MUSCULOSKELETAL

SYLLABUS

YEAR/ SEMESTER: II/III



Integral University, Lucknow

Effective from Session: 2016-17											
Course Code	PT601	Title of the Course	MANAGEMENT, EDUCATION & PROFESSIONAL ETHICS	L	3	T	1	P	0	C	4
Year	II	Semester	III								
Pre-Requisite	Nil	Co-requisite	Nil								
Course Objectives	<p>This course deals with basic issues of management to assist the practitioner in efficiently addressing issues related to the organization and administration of a Physiotherapy Department.</p> <p>The education module of this course will provide students information on improving their teaching skills in the classroom and clinical setting. Educational theory is presented. Students develop and present educational units to audiences that may include Bachelor of Physiotherapy students or peers. It provides the student with an introduction to ethical issues facing physiotherapists. Specific topics include documentation. A variety of current issues affecting the physiotherapy profession are addressed in this course. The science of management is presented as it relates to the essential functions of the business of physiotherapy. Following are the topics to be included but not limited to:</p>										

Course Outcomes	
CO1	The students will understand about basic marketing management.
CO2	The students will understand about hospital administration in various health care setups.
CO3	The students will understand about the Philosophy of Education, curriculum and basic concept of teaching & learning.
CO4	The students will understand about the basics of pedagogy.
CO5	The students will understand about the Rules of Professional Conduct and responsibilities.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	MANAGEMENT	<ol style="list-style-type: none"> 1. Management - Functions of Management, Evolution of Management Through Scientific Management Theory, Classical Theory - Systems Approach - Contingency Approach. 2. Management Process - Planning, Organization, Direction, Controlling Decision Making 3. Introduction to Personal Management - Staffing Recruitment Selection, Performance Appraisal, Collective Bargaining, Discipline, Job Satisfaction 4. Quantitative Methods of Management - Relevance of Statistical and / or Techniques in Management. 5. Marketing - Market Segmentation, Marketing Research Production Planning Pricing, Channels of Distribution, Promotion, Consumer Behavior, and Licenses 6. Total Quality Management- Basis of Quality Management - Acid for Quality Control Quality Assurance Program in Hospitals, Medical Audit, and International Quality Systems. 	8	CO1
2	ADMINISTRATION	Hospital as an Organization - Functions and types of Hospitals selected clinical supportive and ancillary services of a Hospital, Emergency Department, Nursing, Physical Medicine & Rehabilitation, Clinical Laboratory, Pharmacy and Dietary Department. Roles of Physiotherapist, Physiotherapy Director, Physiotherapy Supervisor, Physiotherapy Assistant, Physiotherapy Aide, Occupational Therapist, Home Health Aide, Volunteer. Direct care and Referral Relationships and Confidentiality.	8	CO2
3	EDUCATION	<ol style="list-style-type: none"> 1. Philosophy of Education and Emerging issues in Education. 2. Formal, Informal and Non-Formal Education, Agencies of Education, Current issues and trends in Higher Education (Issue of Quality in Higher Education, Autonomy and Accountability, Privatizations, Professional Development of Teachers, Education of Persons with Disabilities), Need for Educational Philosophy (Some Major Philosophies, Idealism Naturalism, Pragmatism and their Implications for Education). 3. Concept of Teaching and Learning: Meaning and Scope of Educational Psychology, meaning and relationship between teaching and learning. 4. Curriculum: Meaning and Concept, Basis of Curriculum Formulation Development, Framing Objectives for Curriculum, Process of Curriculum Development and Factors Affecting Curriculum Development, Evaluation of Curriculum. 	8	CO3
4	GUIDANCE AND COUNSELING PLANNING FOR TEACHING CLINICAL EDUCATION	<ol style="list-style-type: none"> 1. Guidance and Counseling: Meaning and Concepts of Guidance and Counseling, Principles, Guidance and Counseling Services for Students and Faculty Members, Faculty Development and Development of Personnel for P.T. Services. 2. Method and Techniques of Teaching: Lecture, Demonstration, Discussion, Seminar, Assignment, Project and Case Study. 3. Planning for Teaching: Bloom's Taxonomy of Instructional Objectives, Writing Instructional Objectives in Behavioral Terms. Unit Planning and Lesson Planning. 4. Teaching Aides: Types of Teaching Aides, Principles of Selection, Preparation, and Use of Audio-Visual Aides. 5. Clinical Education: Awareness and Guidance to the Common People about Health and Diseases and Available Professional Services, Patient Education, Education of the Practitioners. 	8	CO4
5	LEGAL PROFESSIONAL ETHICAL ISSUES	<ol style="list-style-type: none"> 1. The Implications & Conformation to the Rules of Professional Conduct. 2. Code of Ethics. 3. Legal Responsibility for Their Actions in the Professional Context and Understanding the Physiotherapist's Liability and Obligations In The Case of Medical Legal Action. 4. A Wider Knowledge of Ethics Relating to Current Social and Medical Policy in the Provisions of Health Care. 5. The Role of the International Health Agencies Such as the World Health Organizations. 6. Standards of Practice for Physiotherapists, Current Issues. 	8	CO5

Reference Books:

1. Basic Management. Trivedi
2. Market Segmentation Theory. P Cotler
3. Hospital Administration. Sundaran
4. Byelaws of the Delhi Council for Physiotherapy and Occupational Therapy
5. Principles of Education – Soti Shivendra Chandra and Rajendra K. Sharma
6. Philosophical Foundation of Education – Srinibas Bhattacharya
7. Sociological Foundation of Education – Srinibas Bhattacharya
8. Psychological Foundation of Education – Srinibas Bhattacharya

e-Learning Source:

1. <https://youtu.be/scZVLCB1aX0>
2. <https://youtu.be/FpQEwbAV3Qw>
3. <https://youtu.be/D6gRTHzE2XQ>

Course Articulation Matrix: (Mapping of COs with POs and PSOs)

PO- PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	-	-	1	-	-	1	-	-	-	3	2	-	-	1	-	-	2
CO2	-	-	1	-	-	1	-	-	-	3	2	-	-	1	-	-	2
CO3	-	-	1	-	-	1	-	-	-	3	2	-	-	1	-	-	2
CO4	-	-	1	-	-	1	-	-	-	3	2	-	-	1	-	-	2
CO5	-	-	1	-	-	1	-	-	-	3	2	-	-	1	-	-	2

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Attributes & SDGs Common for all branches / Disciplines

Course Code	Course Title	Attributes							SDGs No.
		Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
PT601	MANAGEMENT, EDUCATION & PROFESSIONAL ETHICS	√		√			√	√	3,4,17



Integral University, Lucknow

Effective from Session: 2023-24							
Course Code	PT602	Title of the Course	BIOMECHANICS AND KINESIOLOGY-II	L	T	P	C
Year	II	Semester	III	3	1	0	4
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	Students will be able to identify and apply principles of biomechanics while setting up individualized treatment protocols.						

Course Outcomes	
CO1	Students must know about the kinematics and kinetics of upper limb and its Pathomechanics.
CO2	Students will understand about the kinematics and kinetics of lower limb and its Pathomechanics.
CO3	Students will understand about the kinematics and kinetics of axial skeletal and its Pathomechanics.
CO4	Students will able to learn about gait and posture during human body assessment leading to various musculoskeletal disorders.
CO5	Students will understand about the Prescriptions Checkouts & Proper Fittings of orthosis and prosthesis.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	KINESIOLOGY OF UPEER LIMB	Kinematics, Kinetics and Pathomechanics 1. Shoulder 2. Elbow 3. Wrist and Hand	8	CO1
2	KINESIOLOGY OF LOWER LIMB	Kinematics, Kinetics and Pathomechanics 1. Hip 2. Knee. 3. Ankle and Foot	8	CO2
3	KINESIOLOGY OF SPINE	Kinematics, Kinetics and Pathomechanics 1. TMJ 2. Cervical 3. Thoracic 1. Lumbar-sacral.	8	CO3
4	GAIT AND POSTURE	1. Gait Parameter- Kinetic, Kinematic, Time – Space, Pathological Gait –Running, Stair Climbing, Changes in Gait Following Various Surgeries /Diseases / Disorders. 2. Posture- Kinematics, Kinetics and Pathomechanics of Standing, Sitting.	8	CO4
5	BIOMECHANICS OF ORTHOSIS & PROSTHESIS	1. Orthosis of Upper Limb, 2. Orthosis of Lower Limb, 3. Orthosis of Spine, 4. Bioengineering of Prosthesis, Prescriptions Checkouts & Proper Fittings, Biomechanical Principles governing them of Prosthetics, Aids used in Management of Disability.	8	CO5

Reference Books:

1. Biomechanics & Clinical Kinesiology-Cynthia Norkin
2. Basic Biomechanics. Nordin.
3. Basic Biomechanics & clinical Kinesiology. Otis
4. Biomechanics of Human Movement. D Winter
5. Kinesiology: Application to Pathological Motion. GL Soderberg

e-Learning Source:

1. https://www.youtube.com/watch?v=r7_TMkY9l2g
2. https://www.youtube.com/watch?v=y2JZEzTG_BI
3. <https://www.youtube.com/watch?v=6-nSvntEANY>
4. <https://www.youtube.com/watch?v=cvZaIVARWpk>
5. <https://www.youtube.com/watch?v=0vvpn9cCVNI>

Course Articulation Matrix: (Mapping of COs with POs and PSOs)																	
PO-PSO CO	PO1	PO2	PO 3	PO 4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
	CO1	3	3	2	2	2	2	1	2	1	-	-	-	3	3	2	2
CO2	3	3	2	2	2	2	1	2	1	-	-	-	3	3	2	2	2
CO3	3	3	2	2	2	2	1	2	1	-	-	-	3	3	2	2	2
CO4	3	3	2	2	2	2	1	2	1	-	-	-	3	3	2	2	2
CO5	3	3	2	2	2	2	1	2	1	-	-	-	3	3	2	2	2

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Attributes & SDGs Common for all branches / Disciplines

Course Code	Course Title	Attributes							SDGs No.	
		Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics		
PT602	BIOMECHANICS AND KINESIOLOGY-II	√	√	√				√	√	3,4,9



Integral University, Lucknow

Effective from Session: 2016-17

Course Code	PT603M	Title of the Course	PHYSIOTHERAPY –II (MUSCULOSKELETAL SPECIFIC PHYSICAL THERAPY AND REHABILITATION)	L	T	P	C
Year	II	Semester	III	3	1	0	4
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	Analysis of the process and knowledge necessary for identifying the neuromuscular tissue or system representing the origin of disorders in patients. Signs and symptoms from history and physical examination will be the focus with appropriate ancillary testing necessary to confirm hypotheses regarding musculoskeletal pathology. The intent is for students to be able to differentiate clusters of signs and symptoms and to make appropriate clinical decisions regarding same. This subject will examine basic research process and investigative strategies by reviewing existing applied clinical literature. Students will know how to query a database and answer questions about their everyday practice as well as have necessary information to prepare peer reviewed, published manuscripts based on, multiple cases or experimental research.						

Course Outcomes	
CO1	To understand musculoskeletal examination, involving the shoulder, elbow, wrist and hand.
CO2	To understand about musculoskeletal examination, involving the hip, knee, ankle foot.
CO3	To understand about the examination, involving the lumbopelvic complex and hip.
CO4	To understand about musculoskeletal examination, involving the lumbopelvic complex and hip.
CO5	To understand about musculoskeletal examination and Physiotherapy management of trauma of upper limb, lower limbs and some other condition like amputation.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	MUSCULOSKELETAL EXAMINATION OF THE UPPER QUADRANT	The subject will include musculoskeletal examination, involving the shoulder, elbow, wrist and hand. Classes will include lecture, laboratory and clinical experiences.	8	CO1
2	MUSCULOSKELETAL EXAMINATION OF THE LOWER QUADRANT	The subject will include musculoskeletal examination, involving the hip, knee, ankle foot. Classes will include lecture, laboratory and clinical experiences.	8	CO2
3	MUSCULOSKELETAL EXAMINATION OF THE LUMBAR PELVIC SPINE	The subject will include musculoskeletal examination, involving the lumbopelvic complex and hip. Classes will include lecture, laboratory and clinical experiences.	8	CO3
4	MUSCULOSKELETAL EXAMINATION OF THE CERVICAL AND THORACIC SPINE	The subject will include musculoskeletal examination, involving the lumbopelvic complex and hip. Classes will include lecture, laboratory and clinical experiences.	8	CO4
5	PHYSIOTHERAPY MANAGEMENT IN SPECIFIC TRAUMATIC CONDITION	Trauma of the upper limb Trauma of the lower limb Trauma of the spine. Amputation, Physiotherapy management, reviews of prosthetic types and construction, advantage and disadvantage	8	CO5

Reference Books:

1. David J Magee Orthopaedic Physical Assessment.
2. S. Brent Brotzman. Kevin e wilk Clinical Orthopaedic Rehabilitation.
3. Kessler, Management of common musculoskeletal disorders.
4. Nicola. J.Petty, Neuromusculoskeletal Examination and Assessment
5. Saurabh Garg Essential of orthophysiotherapy for upper and lower limb fracture

e-Learning Source:

1. <https://youtu.be/PhLSDxtmxLp-M>
2. <https://youtu.be/EWyxvY48NApG8>
3. <https://youtu.be/QDntJgxt9Hhr8>
4. <https://youtu.be/yF8cdcxN0XTLk>

Course Articulation Matrix: (Mapping of COs with POs and PSOs)																	
PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	2	2	2	2	1	-	1	-	3	2	3	2	2
CO2	3	3	3	3	2	2	2	2	1	-	1	-	3	2	3	2	2
CO3	3	3	3	3	2	2	2	2	1	-	1	-	3	2	3	2	2
CO4	3	3	3	3	2	2	2	2	1	-	1	-	3	2	3	2	2
CO5	3	3	3	3	2	2	2	2	1	-	1	-	3	2	3	2	2

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Attributes & SDGs

Course Code	Course Title	Attributes							SDGs No.		
		Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics			
PT603M	PHYSIOTHERAPY –II (M)	√	√	√					√	√	3,4



Integral University, Lucknow

Effective from Session: 2023-24							
Course Code	PT604	Title of the Course	BIOMECHANICS AND KINESIOLOGY-II LAB	L	T	P	C
Year	II	Semester	III	0	0	2	1
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	Students will be able to identify and apply principles of biomechanics while setting up individualized treatment protocols.						

Course Outcomes	
CO1	Students must know about the practical aspect of kinematics and kinetics of upper limb and its Pathomechanics.
CO2	Students will understand about practical aspect of the kinematics and kinetics of lower limb and its Pathomechanics.
CO3	Students will understand about the practical aspect of kinematics and kinetics of axial skeletal and it's Pathomechanics.
CO4	Students will able to learn about practical aspect of gait and posture during human body assessment leading to various disorders.
CO5	Students will understand about the practical aspect of Prescriptions Checkouts & Proper Fittings of orthosis and prosthesis.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	KINESIOLOGY OF UPPER LIMB	Practical demonstration of Arthrokinematic of following joints: 1. Shoulder 2. Elbow 3. Wrist and Hand	8	CO1
2	KINESIOLOGY OF LOWER LIMB	Practical demonstration of Arthrokinematic of following joints: 1. Hip 2. Knee. 3. Ankle and Foot	8	CO2
3	KINESIOLOGY OF SPINE	Practical demonstration of Arthrokinematic of following regions: 1. TMJ 2. Cervical 3. Thoracic 2. Lumbar-sacral.	8	CO3
4	GAIT AND POSTURE	Practical demonstration of following: 1. Gait Parameter- Kinetic, Kinematic, Time – Space, Pathological Gait –Running, Stair Climbing, Changes in Gait Following Various Surgeries /Diseases / Disorders. 2. Posture- Standing, Sitting, Pathokinesiology	8	CO4
5	BIOMECHANICS OF ORTHOSIS & PROSTHESIS	Practical demonstration of following: 1. Orthosis of Upper Limb, 2. Orthosis of Lower Limb, 3. Orthosis of Spine, 4. Bioengineering of Prosthesis, Prescriptions Checkouts & Proper Fittings, Biomechanical Principles governing them of Prosthetics, Aids used in Management of Disability.	8	CO5

Reference Books:

1. Biomechanics & Clinical Kinesiology-Cynthia Norikin
2. Basic Biomechanics. Nordin.
3. Basic Biomechanics & clinical Kinesiology. Otis
4. Biomechanics of Human Movement. D Winter
5. Kinesiology: Application to Pathological Motion. GL Soderberg

e-Learning Source:

6. https://www.youtube.com/watch?v=r7_TMkY9l2g
7. https://www.youtube.com/watch?v=y2JZEzTG_BI
8. <https://www.youtube.com/watch?v=6-nSvntEANY>
9. <https://www.youtube.com/watch?v=cvZaIVARWpk>
10. <https://www.youtube.com/watch?v=0vvpn9cCVNI>

Course Articulation Matrix: (Mapping of COs with POs and PSOs)																	
PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
	CO1	3	2	1	2	2	2	1	3	2	-	-	-	3	2	3	2
CO2	3	2	3	2	3	2	2	2	1	-	-	-	3	3	2	2	2
CO3	2	2	2	2	3	3	1	2	1	-	-	-	3	3	2	2	2
CO4	3	3	3	3	2	2	1	2	1	-	-	-	3	3	2	2	2
CO5	3	2	2	3	2	2	1	3	2	-	-	-	3	3	2	2	2

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Attributes & SDGs Common for all branches / Disciplines

Course Code	Course Title	Attributes							SDGs No.	
		Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics		
PT604	BIOMECHANICS AND KINESIOLOGY-II LAB	√	√	√				√	√	3,4



Integral University, Lucknow

Effective from Session: 2016-17							
Course Code	PT605M	Title of the Course	PHYSIOTHERAPY –II LAB (MUSCULOSKELETAL SPECIFIC PHYSICAL THERAPY AND REHABILITATION)	L	T	P	C
Year	II	Semester	III	0	0	4	2
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	Students will be instructed via demonstration, hands on techniques, field visits and case conference on specific techniques used in the management of patients with musculoskeletal disorders. Students will draw on their experiences at the experiences at the clinical postings to formulate a treatment plan for case presented at the case conference.						

Course Outcomes	
CO1	To understand musculoskeletal Practical aspect of examination, involving the shoulder, elbow, wrist and hand.
CO2	To understand about musculoskeletal Practical aspect of examination, involving the hip, knee, ankle foot.
CO3	To understand about the Practical aspect of examination, involving the lumbopelvic complex and hip.
CO4	To understand about musculoskeletal Practical aspect of examination, involving the lumbopelvic complex and hip.
CO5	To understand about musculoskeletal Practical aspect of examination and Physiotherapy management of trauma of upper limb, lower limbs pine and some other condition like amputation.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	MUSCULOSKELETAL EXAMINATION OF THE UPPER QUADRANT	In the practical aspect subject will include musculoskeletal examination, involving the shoulder, elbow, wrist and hand. Classes will include lecture, laboratory and clinical experience. (Demonstrate over the patients)	8	CO1
2	MUSCULOSKELETAL EXAMINATION OF THE LOWER QUADRANT	In the practical aspect subject will include musculoskeletal examination, involving the hip, knee, ankle foot. Classes will include lecture, laboratory and clinical experiences. (Demonstrate over the patients)	8	CO2
3	MUSCULOSKELETAL EXAMINATION OF THE LUMBAR PELVIC SPINE	In the practical aspect subject will include musculoskeletal examination, involving the lumbopelvic complex and hip. Classes will include lecture, laboratory and clinical experiences. (Demonstrate over the patients)	8	CO3
4	MUSCULOSKELETAL EXAMINATION OF THE CERVICAL AND THORACIC SPINE	In the practical aspect subject will include musculoskeletal examination, involving the lumbopelvic complex and hip. Classes will include lecture, laboratory and clinical experiences. (Demonstrate over the patients)	8	CO4
5	PHYSIOTHERAPY MANAGEMENT IN SPECIFIC TRAUMATIC CONDITION	In the practical aspect students must know about the Trauma of the upper limb, Trauma of the lower limb, Trauma of the spine, Amputation, Physiotherapy management, reviews of prosthetic types and construction, advantage and disadvantage. (Demonstrate over the patients)	8	CO5

Reference Books:	
1.	David J Magee Orthopaedic Physical Assessment.
2.	S. Brent Brotzman. Kevin e wilk Clinical Orthopaedic Rehabilitation.
3.	Kessler, Management of common musculoskeletal disorders.
4.	Nicola. J.Petty, Neuromusculoskeletal Examination and Assessment
5.	Saurabh Garg Essential of orthophysiotherapy for upper and lower limb fracture
e-Learning Source:	
1.	https://youtu.be/PhLSDxtnxLp-M
2.	https://youtu.be/EWyxvY48NApG8
3.	https://youtu.be/QDntJgxt9Hhr8
4.	https://youtu.be/yF8cdcxNOXTLk

Course Articulation Matrix: (Mapping of COs with POs and PSOs)																	
PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
	CO1	2	3	3	2	2	2	2	2	2	-	1	-	3	2	3	2
CO2	3	2	3	3	2	2	2	3	1	-	1	-	3	2	3	2	2
CO3	3	3	3	3	2	2	2	2	1	-	1	-	3	2	3	2	2
CO4	3	2	3	3	2	2	3	2	1	-	1	-	3	2	3	2	2
CO5	3	2	3	3	2	2	2	2	1	-	1	-	3	2	3	2	2

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation
Attributes & SDGs

Course Code	Course Title	Attributes							SDGs No.	
		Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics		
PT605M	PHYSIOTHERAPY –II LAB (M)	√	√	√				√	√	3,4



Integral University, Lucknow

Effective from Session: 2021-22							
Course Code	PT606	Title of the Course	SEMINAR ON CLINICAL ISSUES	L	T	P	C
Year	II	Semester	III	0	3	0	3
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	This course will serve as a platform for students to integrate various components of patient management and debate contentious issues in the efficacy of Physiotherapy techniques used in musculoskeletal, neurological, cardiopulmonary, & Sports rehabilitation as well as enhance presentation skills.						

Course Outcomes	
CO1	The students will understand and interpret latest advancements through different technical papers, reports, Journals, Data sheets, books etc
CO2	The students will inculcate the skills for literature survey and will learn to manage resources effectively.
CO3	The students will be able to summarize the recent research and technologies in the form of review and will be able to deliver power point presentations on an assigned topic.
CO4	The students will be able to communicate his/her ideas with his peers as audience, which will enhance both oral and written communications skills.
CO5	The students will be able to create interest to pursue lifelong learning.

SEMINAR PRESENTATION ASSESSMENT FORM

Name of Student:		Session:	
Enrollment Number:		Date:	
Name of Subject:	Seminar on Clinical Issues	Subject code:	PT606
Topics:			

Criteria	Sub-Criteria	Max. Marks	Marks Obtained
Introduction (Max marks-09)	Use appropriate background information	03	
	Has clear statement of purpose	03	
	Shows a logical sequence	03	
Factual Content (Max marks- 21)	Includes accurate information	03	
	Shows up-to-date content	03	
	Presents relevant content	03	
	Shows in-depth and sufficient details	03	
	Addresses all important issues	03	
	Is selective	03	
	Use of proper English Grammar in the text	03	
Presentation Quality (Max marks-06)	Has a good design of presentation (appropriate font, type, size, color, matter per slide etc.)	03	
	Has a clear verbal expression and eye contact with audience	03	
Response to questions (Max marks-09)	Answers question(s) correctly	03	
	Has the ability to think on the spot	03	
	Shows an ability to defend content of presentation	03	
Time Management (Max. mark-05)	Completes the presentation within allocated time	05	
Total Marks		50	

Note: In case of Oral Presentation, each student will be assessed in a 20 minutes time (15 min for presentation & 5 min for discussion) out of 50 marks.

Comments/Suggestions:

(Name and signature of Incharge)

(Head, Physiotherapy)

EVALUATION OF SEMINAR ON CLINICAL ISSUES PRESENTATION

MPT- Students has to prepare minimum 2 long case and 2 short cases during their seminar presentation during due course of time. The evaluation for internal seminar examination of 100 marks will be distributed:

Cases during clinical posting=**45 marks**.

Viva voce =**50 marks**

Attendance=**5 marks**

Course Articulation Matrix: (Mapping of COs with POs and PSOs)																	
PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
	CO1	2	3	3	2	3	2	3	1	2	1	-	-	3	2	3	3
CO2	3	3	3	3	2	2	3	2	1	3	-	-	2	2	3	2	3
CO3	3	3	3	3	2	2	3	2	1	3	-	-	3	2	2	2	3
CO4	3	3	3	3	2	2	3	2	1	3	-	-	2	3	2	2	3
CO5	3	3	3	3	2	2	3	2	1	3	-	-	3	2	3	3	2

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Attributes & SDGs Common for all branches / Disciplines

Course Code	Course Title	Attributes						SDGs No.	
		Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value		Professional Ethics
PT606	SEMINAR ON CLINICAL ISSUES	√	√	√			√	√	3,4,11



Integral University, Lucknow

Effective from Session: 2021-22							
Course Code	PT607	Title of the Course	CLINICAL POSTING	L	T	P	C
Year	II	Semester	III	0	0	14	7
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	Students will engage in clinical practice in Physiotherapy departments in the musculoskeletal, neurology, cardiopulmonary, sports settings to enhance their clinical skills and apply contemporary knowledge gained during teaching sessions.						

Course Outcomes	
CO1	To learn the punctuality and interaction with colleague and supporting staff during clinical training.
CO2	To develop assessment skills.
CO3	To develop appropriate treatment protocol.
CO4	To understand the importance of documentation of the case record and case presentation.
CO5	To develop discipline and improve overall quality of clinical work.

CLINICAL POSTING ASSESSMENT FORM

Name of Student:		Session:	
Enrolment Number:		Date:	
Name of Subject:	Clinical Posting	Subject code:	PT607
Topics:			

S. No.	Point to be Considered	Max. Marks	Marks Obtained
1.	Punctuality	5	
2.	Interaction with colleagues and supporting staff	5	
3.	Maintenance of case records	5	
4.	Presentation of case during rounds	5	
5.	Investigation work up	5	
6.	Bedside Manners	5	
7.	Rapport with patients	5	
8.	Treatment approach & technique	5	
9.	Discipline	5	
10.	Overall quality of clinical work	5	
TOTAL SCORE		50	

(Name and signature of Incharge)

(Head, Physiotherapy)

GUIDELINES FOR CLINICAL TRAINING PROGRAM

The students of Post Graduate Physiotherapy program must spend above mentioned allotted time period in the hospital based clinical training for specified clinical experiences to meet the objectives of the training program. This period of practical and theoretical experience will enable the students to acquire competency and experience to perform as an independent practice and will enable to adjust to the real practical life in different units in the hospital settings.

S.No.	Program Name	Year/Semester	Duration of Training
1.	MPT	Ist Year/ Ist Semester	4 Months
2.		Ist Year/ IInd Semester	4 Months
3.		IInd Year/ 3rd Semester	4 Months
4.		IInd Year/ 4th Semester	4 Months

By the successful completion of this clinical training period, the student is expected to fulfil the objectives of the program and will be examination as given below:

S.No.	Program Name	Year/Semester	Case file	Practical on Case	Voice/Viva	Attendance
1.	MPT	Ist Year/ Ist Semester	20 Marks	25 Marks (1 Long Case and 2 Short Case)	50 Marks	5 Marks
2.		Ist Year/ IInd Semester				
3.		IInd Year/ 3rd Semester				
4.		IInd Year/ 4th Semester				

EVALUATION OF CLINICAL POSTING

MPT- Students has to prepare 1 long case and 2 short cases during their clinical posting. The evaluation for internal clinical examination of 100 marks will be distributed:

Cases during clinical posting=**45 marks**.

Viva voce =**50 marks**

Attendance=**5 marks**

Course Articulation Matrix: (Mapping of COs with POs and PSOs)																		
PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	
	CO1	2	3	3	2	3	2	3	1	2	1	-	-	3	2	3	3	2
CO2	3	3	3	3	2	2	3	2	1	3	-	-	2	2	3	2	3	
CO3	3	3	3	3	2	2	3	2	1	3	-	-	3	2	2	2	3	
CO4	3	3	3	3	2	2	3	2	1	3	-	-	2	3	2	2	3	
CO5	3	3	3	3	2	2	3	2	1	3	-	-	3	2	3	3	2	

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Attributes & SDGs Common for all branches / Disciplines

Course Code	Course Title	Attributes							SDGs No.
		Emplo yability	Entrepre neurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
PT607	CLINICAL POSTING	√	√	√					3,4,11



INTEGRAL UNIVERSITY, LUCKNOW

INTEGRAL INSTITUTE OF ALLIED HEALTH SCIENCES

DEPARTMENT OF PHYSIOTHERAPY

MASTER OF PHYSIOTHERAPY

(MPT)

MUSCULOSKELETAL

SYLLABUS

YEAR/ SEMESTER: II/IV



Integral University, Lucknow

Effective from Session: 2023-24							
Course Code	PT608M	Title of the Course	PHYSIOTHERAPY- III (PHYSIOTHERAPY MANAGEMENT IN DISORDERS OF THE MUSCULOSKELETAL SYSTEM)	L	T	P	C
Year	II	Semester	IV	3	1	0	4
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	Students are able to make clinical decision with recent advances for musculoskeletal disorders						

Course Outcomes	
CO1	Emphasis will be made on clinical decision making and integrating manual therapy skills within the overall plan of care for the patient with upper quadrant.
CO2	Emphasis will be made on clinical decision making and integrating manual therapy skills within the overall plan of care for the patient with lower quadrant.
CO3	Emphasis will be made on clinical decision making and integrating manual therapy skills within the overall plan of care for the patient with spine
CO4	Emphasis will be made on clinical decision making and integrating manual therapy skills within the overall plan of care for the patient with lumbar spine
CO5	Emphasis will be made on clinical decision making and integrating manual therapy skills within the overall plan of care for the patient with general orthopedic conditions.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	MANAGEMENT OF REGIONAL ORTHOPEDIC CONDITIONS OF UPPER QUADRANT	Physiotherapy management of the regional musculoskeletal conditions of Upper quadrant. This unit will include treatment of the musculoskeletal conditions involving the shoulder complex, elbow, wrist and hand. Emphasis will be made on clinical decision making and integrating manual therapy skills within the overall plan of care for the patient. Class will include lecture, laboratory and clinical experiences.	8	CO1
2	MANAGEMENT OF REGIONAL ORTHOPEDIC CONDITIONS OF LOWER QUADRANT	Physiotherapy management of the regional musculoskeletal conditions of Lower quadrant. This unit will include treatment of the musculoskeletal conditions involving the hip, knee, ankle and foot. Emphasis will be made on clinical decision making and integrating manual therapy skills within the overall plan of care for the patient. Class will include lecture, laboratory and clinical experiences.	8	CO2
3	MANAGEMENT OF REGIONAL ORTHOPEDIC CONDITIONS OF CERVICAL AND THORACIC SPINE	Physiotherapy management of the regional musculoskeletal conditions of cervical and thoracic spine. This unit will include treatment of the musculoskeletal conditions involving the cervical spine, the thoracic spine and rib cage. Emphasis will be made on clinical decision making and integrating manual therapy skills within the overall plan of care for the patient. Class will include lecture, laboratory and clinical experiences.	8	CO3
4	MANAGEMENT OF REGIONAL ORTHOPEDIC CONDITIONS OF LUMBOPELVIC SPINE	Physiotherapy management of the regional musculoskeletal conditions of lumbopelvic spine. This unit will include treatment of the musculoskeletal conditions involving the lumbopelvic complex, including the hip joint. Emphasis will be made on clinical decision making and integrating manual therapy skills within the overall plan of care for the patient. Class will include lecture, laboratory and clinical experiences.	8	CO4
5	MANAGEMENT OF GENERAL ORTHOPEDIC CONDITIONS	Physiotherapy management in general orthopedic conditions. 1. Osteoarthritis. 2. Rheumatoid Arthritis. 3. Ankylosing Arthritis. 4. Tuberculosis of Spine. 5. CDH, CTEV, Torticollis.	8	CO5

Reference Books:

1. David J Magee Orthopedic physical assessment
2. S Brent brotzman. Kevin e willk clinical orthopaedic rehabilitation
3. Kessler, Management of common musculoskeletal disorders.
4. Essential of Orthopedics Physiotherapy: Jhon Ebenezer.
5. Tidy Physiotherapy by Stuart Porter
6. Cash Textbook of Orthopaedics Physiotherapy by Marian Tidwell

e-Learning Source:

1. <https://youtu.be/KQaVB5pgdJw>
2. <https://youtu.be/9GbOF6JwqK8>
3. <https://youtu.be/nEhNp0VIFRg>
4. <https://youtu.be/fR3ipeZVib4>
5. <https://youtu.be/YfE9NNMZxwY>

PO-PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
CO																	
CO1	3	3	3	3	2	2	2	2	1	-	1	-	3	2	3	2	2
CO2	3	3	3	3	2	2	2	2	1	-	1	-	3	2	3	2	2
CO3	3	3	3	3	2	2	2	2	1	-	1	-	3	2	3	2	2
CO4	3	3	3	3	2	2	2	2	1	-	1	-	3	2	3	2	2
CO5	3	3	3	3	2	2	2	2	1	-	1	-	3	2	3	2	2

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation
Attributes & SDGs

Course Code	Course Title	Attributes						SDGs No.	
		Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value		Professional Ethics
PT608M	PHYSIOTHERAPY- III (M)	√	√	√			√	√	3,4



Integral University, Lucknow

Effective from Session: 2016-17							
Course Code	PT609M	Title of the Course	PHYSIOTHERAPY- III LAB (PHYSIOTHERAPY MANAGEMENT IN DISORDERS OF THE MUSCULOSKELETAL SYSTEM)	L	T	P	C
Year	II	Semester	IV	0	0	4	2
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	Students are able to make clinical decision with recent advances for musculoskeletal disorders						

Course Outcomes	
CO1	Emphasis will be made on clinical decision making and integrating manual therapy skills within the overall plan of care for the patient with upper quadrant.
CO2	Emphasis will be made on clinical decision making and integrating manual therapy skills within the overall plan of care for the patient with lower quadrant.
CO3	Emphasis will be made on clinical decision making and integrating manual therapy skills within the overall plan of care for the patient with spine
CO4	Emphasis will be made on clinical decision making and integrating manual therapy skills within the overall plan of care for the patient with lumbar spine
CO5	Emphasis will be made on clinical decision making and integrating manual therapy skills within the overall plan of care for the patient with general orthopedic conditions

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	MANAGEMENT OF REGIONAL ORTHOPEDIC CONDITIONS OF UPPER QUADRANT	Case based demonstration of shoulder complex, elbow, wrist and hand dysfunction.	8	CO1
2	MANAGEMENT OF REGIONAL ORTHOPEDIC CONDITIONS OF LOWER QUADRANT	Case based demonstration of musculoskeletal conditions involving the hip, knee, ankle and foot.	8	CO2
3	MANAGEMENT OF REGIONAL ORTHOPEDIC CONDITIONS OF CERVICAL AND THORACIC SPINE	Case based demonstration of regional orthopedic conditions of cervical and thoracic spine.	8	CO3
4	MANAGEMENT OF REGIONAL ORTHOPEDIC CONDITIONS OF LUMBOPELVIC SPINE	Case based demonstration of the musculoskeletal conditions involving the lumbopelvic complex, including the hip joint conditions.	8	CO4
5	MANAGEMENT OF GENERAL ORTHOPEDIC CONDITIONS	Demonstration of PT Management of Osteoarthritis, Rheumatoid Arthritis, Ankylosing Arthritis, Tuberculosis of Spine, CDH, CTEV, Torticollis.	8	CO5

Reference Books:	
1.	David J Magee Orthopedic physical assessment
2.	S Brent brotzman. Kevin e wilk clinical orthopaedic rehabilitation
3.	Kessler, Management of common musculoskeletal disorders.
4.	Essential of Orthopedics Physiotherapy: Jhon Ebenezer.
5.	Tidy Physiotherapy by Stuart Porter
6.	Cash Textbook of Orthopaedics Physiotherapy by Marian Tidwell

e-Learning Source:	
1.	https://youtu.be/KQaVB5pqdjw
2.	https://youtu.be/9GbOF6JwqK8
3.	https://youtu.be/nEhNp0VIFRg
4.	https://youtu.be/fr3ipeZVib4
5.	https://youtu.be/Yfe9NNMZxwY

PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	3	3	3	2	1	2	2	1	-	1	-	3	2	3	2	2
CO2	3	2	3	3	2	2	2	3	1	-	1	-	3	2	3	2	2
CO3	3	2	3	3	2	2	2	2	1	-	1	-	3	2	3	2	2
CO4	3	3	2	3	2	3	2	2	1	-	1	-	3	2	3	2	2
CO5	3	2	3	3	2	2	2	2	1	-	1	-	3	2	3	2	2

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Course Code	Course Title	Attributes							SDGs No.
		Employ ability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
PT609M	PHYSIOTHERAPY- III LAB (M)	√	√	√			√	√	3,4



Integral University, Lucknow

Effective from Session: 2021-22							
Course Code	PT610	Title of the Course	Dissertation	L	T	P	C
Year	II	Semester	IV	0	9	0	9
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	The main objective of this course is to develop independence in the research skills and to develop the research interpretation skill. To promote education and research in physiotherapy and provide academic and professional excellence for immediate productivity in hospital, governmental, or clinical settings for an ultimate benefit of society and environment.						

Course Outcomes	
CO1	The students will be able to perform literature review, identify state of the art in that field.
CO2	The students will be able to define the problem and develop synopsis of a defined research problem
CO3	The students will be able to establish a methodology using advanced tools / techniques for solving the problem including project management and finances.
CO4	The students will be able to prepare the research report and its oral demonstrations.
CO5	The students will be gain practical experience in project management in biotechnological industry, be able to use various techniques in contemporary research for project, perform numerical analysis and interpret the results

Name of Student:		Session:	
Enrollment Number:		Date:	
Name of Subject:	Dissertation	Subject code:	PT610
Topics:			

S. No.	Evaluation	Point to be Considered	Max. Marks	Marks Obtained
1.	On the basics of continuous assessment (10 Marks)	Periodic Consultation with Guide	2	
2.		Regular collection of Data with the consultation of guide.	2	
3.		Command of the topic & presentation skill	2	
4.		Methods, analysis, dissuasion and Conclusions	2	
5.		Contribution to knowledge and thesis structure	2	
Review all heading				
1.	On the basics of External Evaluators at the time of End Sem Examination.	Introduction	3	
2.		Aims, objectives & research hypothesis	3	
3.		Review of literature	3	
4.		Material & Methods	3	
5.		Data analysis & results	3	
6.		Discussion, lamination & future study	3	
7.		Conclusion, signification.	3	
8.		Bibliography	3	
9.		Tables, graph, diagram & Annexure (if any) Statistical Analysis Master Chart	3	
10.		The deface of study	3	
Total Score			40	

Note: Evaluation of Dissertation of MPT- Students has to prepare oral presentation; each student will be assessed in a 20 minutes time (15 min for presentation & 5 min for discussion). The evaluation of dissertation by external examiner with proper approval of concern authorities. The end semester examination will be 40 marks as external evaluations and 60 marks will be by the internal examiner (continuous assessment):

Comments/Suggestions:

(Name and signature of Incharge)

(Head, Physiotherapy)

Course Articulation Matrix: (Mapping of COs with POs and PSOs)																	
PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
	CO1	2	3	3	2	3	2	3	1	2	1	-	-	3	2	3	3
CO2	3	3	3	3	2	2	3	2	1	3	-	-	2	2	3	2	3
CO3	3	3	3	3	2	2	3	2	1	3	-	-	3	2	2	2	3
CO4	3	3	3	3	2	2	3	2	1	3	-	-	2	3	2	2	3
CO5	3	3	3	3	2	2	3	2	1	3	-	-	3	2	3	3	2

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Attributes & SDGs Common for all branches / Disciplines

Course Code	Course Title	Attributes						SDGs No.	
		Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value		Professional Ethics
PT610	Dissertation	√	√	√			√	√	3,4,9, 17



Integral University, Lucknow

Effective from Session: 2021-22							
Course Code	PT611	Title of the Course	SEMINAR ON CLINICAL ISSUES	L	T	P	C
Year	II	Semester	IV	0	3	0	3
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	This course will serve as a platform for students to integrate various components of patient management and debate contentious issues in the efficacy of Physiotherapy techniques used in musculoskeletal, neurological, cardiopulmonary, & Sports rehabilitation as well as enhance presentation skills.						

Course Outcomes	
CO1	The students will understand and interpret latest advancements through different technical papers, reports, Journals, Data sheets, books etc
CO2	The students will inculcate the skills for literature survey and will learn to manage resources effectively.
CO3	The students will be able to summarize the recent research and technologies in the form of review and will be able to deliver power point presentations on an assigned topic.
CO4	The students will be able to communicate his/her ideas with his peers as audience, which will enhance both oral and written communications skills.
CO5	The students will be able to create interest to pursue lifelong learning.

SEMINAR PRESENTATION ASSESSMENT FORM

Name of Student:		Session:	
Enrollment Number:		Date:	
Name of Subject:	Seminar on Clinical Issues	Subject code:	PT611
Topics:			

Criteria	Sub-Criteria	Max. Marks	Marks Obtained
Introduction (Max marks-09)	Use appropriate background information	03	
	Has clear statement of purpose	03	
	Shows a logical sequence	03	
Factual Content (Max marks- 21)	Includes accurate information	03	
	Shows up-to-date content	03	
	Presents relevant content	03	
	Shows in-depth and sufficient details	03	
	Addresses all important issues	03	
	Is selective	03	
	Use of proper English Grammar in the text	03	
Presentation Quality (Max marks-06)	Has a good design of presentation (appropriate font, type, size, color, matter per slide etc.)	03	
	Has a clear verbal expression and eye contact with audience	03	
Response to questions (Max marks-09)	Answers question(s) correctly	03	
	Has the ability to think on the spot	03	
	Shows an ability to defend content of presentation	03	
Time Management (Max. mark-05)	Completes the presentation within allocated time	05	
Total Marks		50	

Note: In case of Oral Presentation, each student will be assessed in a 20 minutes time (15 min for presentation & 5 min for discussion) out of 50 marks.

Comments/Suggestions:

(Name and signature of Incharge)

(Head, Physiotherapy)

EVALUATION OF SEMINAR ON CLINICAL ISSUES PRESENTATION

MPT- Students has to prepare minimum 2 long case and 2 short cases during their seminar presentation during due course of time. The evaluation for internal seminar examination of 100 marks will be distributed:

Cases during clinical posting=**45 marks**.

Viva voce =**50 marks**

Attendance=**5 marks**

Course Articulation Matrix: (Mapping of COs with POs and PSOs)																	
PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
	CO1	2	3	3	2	3	2	3	1	2	1	-	-	3	2	3	3
CO2	3	3	3	3	2	2	3	2	1	3	-	-	2	2	3	2	3
CO3	3	3	3	3	2	2	3	2	1	3	-	-	3	2	2	2	3
CO4	3	3	3	3	2	2	3	2	1	3	-	-	2	3	2	2	3
CO5	3	3	3	3	2	2	3	2	1	3	-	-	3	2	3	3	2

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Attributes & SDGs Common for all branches / Disciplines

Course Code	Course Title	Attributes							SDGs No.	
		Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics		
PT611	SEMINAR ON CLINICAL ISSUES	√	√	√				√	√	3,4,11



Integral University, Lucknow

Effective from Session: 2021-22							
Course Code	PT612	Title of the Course	CLINICAL POSTING	L	T	P	C
Year	II	Semester	III	0	0	14	7
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	Students will engage in clinical practice in Physiotherapy departments in the musculoskeletal, neurology, cardiopulmonary, sports settings to enhance their clinical skills and apply contemporary knowledge gained during teaching sessions.						

Course Outcomes	
CO1	To learn the punctuality and interaction with colleague and supporting staff during clinical training.
CO2	To develop assessment skills.
CO3	To develop appropriate treatment protocol.
CO4	To understand the importance of documentation of the case record and case presentation.
CO5	To develop discipline and improve overall quality of clinical work.

CLINICAL POSTING ASSESSMENT FORM

Name of Student:		Session:	
Enrolment Number:		Date:	
Name of Subject:	Clinical Posting	Subject code:	PT612
Topics:			

S. No.	Point to be Considered	Max. Marks	Marks Obtained
1.	Punctuality	5	
2.	Interaction with colleagues and supporting staff	5	
3.	Maintenance of case records	5	
4.	Presentation of case during rounds	5	
5.	Investigation work up	5	
6.	Bedside Manners	5	
7.	Rapport with patients	5	
8.	Treatment approach & technique	5	
9.	Discipline	5	
10.	Overall quality of clinical work	5	
TOTAL SCORE		50	

(Name and signature of Incharge)

(Head, Physiotherapy)

GUIDELINES FOR CLINICAL TRAINING PROGRAM

The students of Post Graduate Physiotherapy program must spend above mentioned allotted time period in the hospital based clinical training for specified clinical experiences to meet the objectives of the training program. This period of practical and theoretical experience will enable the students to acquire competency and experience to perform as an independent practice and will enable to adjust to the real practical life in different units in the hospital settings.

S.No.	Program Name	Year/Semester	Duration of Training
5.	MPT	Ist Year/ Ist Semester	4 Months
6.		Ist Year/ IInd Semester	4 Months
7.		IInd Year/ 3rd Semester	4 Months
8.		IInd Year/ 4th Semester	4 Months

By the successful completion of this clinical training period, the student is expected to fulfil the objectives of the program and will be examination as given below:

S.No.	Program Name	Year/Semester	Case file	Practical on Case	Voice/Viva	Attendance
5.	MPT	Ist Year/ Ist Semester	20 Marks	25 Marks (1 Long Case and 2 Short Case)	50 Marks	5 Marks
6.		Ist Year/ IInd Semester				
7.		IInd Year/ 3rd Semester				
8.		IInd Year/ 4th Semester				

EVALUATION OF CLINICAL POSTING

MPT- Students has to prepare 1 long case and 2 short cases during their clinical posting. The evaluation for internal clinical examination of 100 marks will be distributed:

Cases during clinical posting=**45 marks**.

Viva voce =**50 marks**

Attendance=**5 marks**

Course Articulation Matrix: (Mapping of COs with POs and PSOs)																	
PO-PSO																	
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	3	3	2	3	2	3	1	2	1	-	-	3	2	3	3	2
CO2	3	3	3	3	2	2	3	2	1	3	-	-	2	2	3	2	3
CO3	3	3	3	3	2	2	3	2	1	3	-	-	3	2	2	2	3
CO4	3	3	3	3	2	2	3	2	1	3	-	-	2	3	2	2	3
CO5	3	3	3	3	2	2	3	2	1	3	-	-	3	2	3	3	2

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Attributes & SDGs Common for all branches / Disciplines

Course Code	Course Title	Attributes							SDGs No.	
		Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics		
PT612	CLINICAL POSTING	√	√	√				√	√	3,4,11