

INTEGRAL UNIVERSITY, LUCKNOW

INTEGRAL INSTITUTE OF ALLIED HEALTH SCIENCES

DEPARTMENT OF PHYSIOTHERAPY

MASTER OF PHYSIOTHERAPY (MPT) MUSCULOSKELETAL

SYLLABUS

YEAR/ SEMESTER: II/III



Effective from S	ession: 2016	-17					
Course Code	PT601	Title of the Course	MANAGEMENT, EDUCATION & PROFESSIONAL ETHICS	L	T	P	C
Year	II	Semester	III	3	1	0	4
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	and adminis The education setting. Edu Physiotheral include documanagemen	tration of a Physiotherap on module of this course cational theory is presen py students or peers. It p umentation. A variety of	f management to assist the practitioner in efficiently addressing issues rely Department. will provide students information on improving their teaching skills in the sted. Students develop and present educational units to audiences that reprovides the student with an introduction to ethical issues facing physiotly current issues affecting the physiotherapy profession are addressed in the estential functions of the business of physiotherapy. Follows	ne class nay in herapis is cour	sroom a clude I sts. Spe rse. The	and clin Bachelo cific to science	or of pics

	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	 Management - Functions of Management, Evolution of Management Through Scientific Management Theory, Classical Theory - Systems Approach - Contingency Approach. Management Process - Planning, Organization, Direction, Controlling Decision Making Introduction to Personal Management - Staffing Recruitment Selection, Performance Appraisal, Collective Bargaining, Discipline, Job Satisfaction Quantitative Methods of Management - Relevance of Statistical and / or Techniques in Management. Marketing - Market Segmentation, Marketing Research Production Planning Pricing, Channels of Distribution, Promotion, Consumer Behavior, and Licenser Total Quality Management- Basis of Quality Management - Acid for Quality Control Quality Assurance Program in Hospitals, Medical Audit, and International Quality Systems. 	8	COI
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 Confidentially.	8	CO2
3	EDUCATION	 Philosophy of Education and Emerging issues in Education. 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). Concept of Teaching and Learning: Meaning and Scope of Educational Psychology, meaning and relationship between teaching and learning. 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	 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. Method and Techniques of Teaching: Lecture, Demonstration, Discussion, Seminar, Assignment, Project and Case Study. Planning for Teaching: Bloom's Taxonomy of Instructional Objectives, Writing Instructional Objectives in Behavioral Terms. Unit Planning and Lesson Planning. Teaching Aides: Types of Teaching Aides, Principles of Selection, Preparation, and Use of Audio-Visual Aides. 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	 The Implications & Conformation to the Rules of Professional Conduct. Code of Ethics. Legal Responsibility for Their Actions in the Professional Context and Understanding the Physiotherapist's Liability And Obligations In The Case of Medical Legal Action. A Wider Knowledge of Ethics Relating to Current Social and Medical Policy in the Provisions of Health Care. The Role of the International Health Agencies Such as the World Health Organizations. 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	Articula	ation M	atrix: (I	Mapping	of COs v	vith POs	and PSO	s)			
PO-																	
PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
CO																	
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	-	1	2
CO5	-	-	1	-		1	-	-		3	2	-	-	1	-	-	2

Course Code	Course Title		Attributes						
	MANAGEMENT, EDUCATION &	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	No.
PT601	PROFESSIONAL ETHICS	1	4	1			1	4	3,4,17



Effective from Session	on: 2016-17										
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	Nil Co-requisite Nil									
Course Objectives	Students will be able	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	Arthrology and Arthrokinematics, Kinetics, Pathokinesiology 1. Shoulder 2. Elbow 3. Wrist and Hand	8	CO1
2	KINESIOLOGY OF LOWER LIMB	Arthrology and Arthrokinematic, Kinetics, Pathokinesiology 1. Hip 2. Knee. 3. Ankle and Foot	8	CO2
3	KINESIOLOGY OF SPINE	Arthrology and Arthrokinematic, Kinetics, Pathokinesiology 1. Cervical 2. Thoracic 1. Lumbar-sacral.	8	CO3
4	GAIT AND POSTURE	 Gait Parameter- Kinetic, Kinematic, Time – Space, Pathological Gait –Running, Stair Climbing, Changes in Gait Following Various Surgeries /Diseases / Disorders. Posture- Standing, Sitting, Pathokinesiology 	8	CO4
5	BIOMECHANICS OF ORTHOSIS & PROSTHESIS	 Orthosis of Upper Limb, Orthosis of Lower Limb, 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. Nordins.
- 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	PO1	PO2	РО	PO	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
CO	101	102	3	4	103	100	107	1 00	109	1 010	1011	1012	1301	1302	1303	1304	1503
CO1	3	3	2	2	2	2	1	2	1	-	-	-	3	3	2	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

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



	O V /										
Effective from	Session: 2016-17	1									
			PHYSIOTHERAPY -II								
Course Code	PT603M	Title of the Course	(MUSCULOSKELETAL SPECIFIC PHYSICAL THERAPY AND	L	T	P	C				
			REHABILITATION)								
Year	II	Semester	III	3	1	0	4				
Pre-Requisite	Nil	Co-requisite	Nil								
	Analysis of the	e process and knowledg	e necessary for identifying the neuromuscular tissue or system rep	present	ting the	origin	of				
	disorders in pat	tients. Signs and sympton	ms from history and physical examination will be the focus with appr	ropriat	e ancil	lary tes	ting				
C	necessary to co	nfirm hypotheses regardi	ng musculoskeletal pathology. The intent is for students to be able to	differ	entiate	c luster	s of				
Course	signs and symp	aptoms and to make appropriate clinical decisions regarding same. This subject will examine basic research process and									
Objectives	investigative st	rategies by reviewing ex	xisting applied clinical literature. Students will know how to query	a data	abase a	ınd ans	wer				
	questions about	as well as have necessary information to prepare peer reviewed, publ	ished 1	manusc	ripts ba	ased					
	on, multiple cas	n. multiple cases or experimental research.									

	Course Outcomes
CO	To understand musculoskeletal examination, involving the shoulder, elbow, wrist and hand.
CO2	To understand about musculoskeletal examination, involving the hip, knee, ankle foot.
CO	To understand about the examination, involving the lumbopelvic complex and hip.
CO ₂	To understand about musculoskeletal examination, involving the lumbopelvic complex and hip.
COS	To understand about musculoskeletal 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	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.
- Kessler, Management of common musculoskeletal disorders.
 Nicola. J.Petty, Neuromusculoskeletal Examination and Assessment
- Saurabh Garg Essential of orthophysiotherpy for upper and lower limb fracture

e-Learning Source:

- 1. https://youtu.be/PhLSDxtnxLp-M
- 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	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
CO	101	102	103	104	103	100	107	100	10)	1010	1011	1012	1501	1502	1503	1504	1505
CO1	3	3	3	3	2	2	2	2	1	ı	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	ı	1	-	3	2	3	2	2

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

Course	Course Title			At	tributes				SDGs
Code									No.
PT603M	PHYSIOTHERAPY -II	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
	(M)	V	√	√	√		1	√	3,4



Effective from Session	on: 2016-17						
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 pr	rinciples of biomechanics while setting up individualized tre	atment	protoc	ols.	

	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 UPEER 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. Cervical 2. 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: Orthosis of Upper Limb, Orthosis of Lower Limb, 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. Nordins.
- 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	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
CO	101	102	100	104	105	100	10,	100	10)	1010	1011	1012	1501	1502	1505	1504	1505
CO1	3	2	1	2	2	2	1	3	2	-	-	-	3	2	3	2	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

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Course Code	Course Title			At	tributes				SDGs
PT604	BIOMECHANICS AND	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	No.
1 100 1	KINESIOLOGY-II LAB	1	√	Ì	1		√	1	3,4



Effective from	Session: 2016-17		•											
Course Code	PT605M	Title of the Course	PHYSIOTHERAPY –II LAB (MUSCULOSKELETAL SPECIFIC PHYSICAL THERAPY L T AND REHABILITATION)											
Year	II	Semester	III	0	0	4	2							
Pre-Requisite	Nil	Co-requisite	Nil											
Course Objectives	management of par	tients with musculoskele	n, hands on techniques, field visits and case conference on specifital disorders. Students will draw on their experiences at the exse 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	MUSCULOSE EXAMINATION C QUADR	OF THE UPPER	In the practical aspect subject will include musculoskeletal examination, involving the shoulder, elbow, wrist and hand. Classes will include lecture, laboratory and clinical experiences.(demonstrate over the patients)	8	CO1
2	MUSCULOSE EXAMINATION O QUADR	F THE LOWER	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	MUSCULOSE EXAMINATION OF PELVIC S	F THE LUMBAR	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	MUSCULOSE EXAMINATION OF AND THORAG	THE CERVICAL	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 I IN SPECIFIC TI CONDIT	RAUMATIC	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 orthophysiotherpy 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/yF8cdcxN0XTLk

		Course Articulation Matrix: (Mapping of COs with POs and PSOs)															
PO-PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
CO	101	102	100	10.	100	100	10,	100	10)	1010	1011	1012	1501	1502	1505	150.	1500
CO1	2	3	3	2	2	2	2	2	2	-	1	-	3	2	3	2	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							
	PHYSIOTHERAPY –II	Employability	Entrepreneurship	Skill	Gender	Environment &	Human	Professional	No.
PT605M	THISTOTHERUM I II	Employaomity		Development	Equality	Sustainability	Value	Ethics	
	LAB (M)	√	√	√	√		√	1	3,4



Effective from Sessio	n: 2016-17						
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	issues in the effi		ents to integrate various components of patient management echniques used in musculoskeletal, neurological, cardio on 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 pointpresentations 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 communicationskills.
CO5	The students will be able to create interest to pursue lifelong learning.

SEMINAR PRESENTATION ASSESSMENTN FORM

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

Criteria	Sub-Criteria	Max. Marks	Marks Obtained
Introduction	Use appropriate background information	03	
(Max marks-09)	Has clear statement of purpose	03	
(IVIAX IIIAIKS-09)	Shows a logical sequence	03	
	Includes accurate information	03	
	Shows up-to-date content	03	
F 4 10 4 4	Presents relevant content	03	
Factual Content	Shows in-depth and sufficient details	03	
(Max marks- 21)	Addresses all important issues	03	
	Is selective	03	
	Use of proper English Grammar in the text	03	
Presentation Quality	Has a good design of presentation (appropriate font, type, size, color, matter per slide etc.)	03	
(Max marks-06)	Has a clear verbal expression and eye contact with audience	03	
D	Answers question(s) correctly	03	
Response to questions	Has the ability to think on the spot	03	
(Max marks-09)	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	D	O1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
CO	1,	O1	102	103	104	103	100	107	100	10)	1010	1011	1012	1501	1502	1505	1504	1505
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

				2 05 00	or wir or wire.	, , Discipilities				
Course Code	Course Title		Attributes							
PT606	SEMINAR ON CLINICAL	Emplo yability	Entrepre neurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics		
	ISSUES	٦.	٦.	-1	4		4	-1	3 / 11	



Effective from Sess	sion: 2016-17							
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	Students will engage	Students will engage in clinical practice in Physiotherapy departments in the musculoskeletal, neurology, cardiopulmonary,						
Objectives	sports settings to enhan	nce their clinical skills ar	nd apply contemporary knowledge gained during teaching sess	sions.				

	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 POTING ASSESSMENTN 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	Program Name Year/Semester			
1.		Ist Year/ Ist Semester	4 Months		
2.	МРТ	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.		Ist Year/ Ist Semester		25 Mariles		
2.	MDT	Ist Year/ IInd Semester	20 MI	25 Marks	50 M- d	5 M1
3.	3. MPT 4.	IInd Year/ 3rd Semester	20 Marks	(1 Long Case and 2 Short Case)	50 Marks	5 Marks
4.		IInd Year/ 4th Semester		Short Case)		

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	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
CO	FOI	FO2	103	FO4	103	100	107	100	109	FOIU	FOII	FO12	F301	F302	1303	1304	1303
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

Course Code	Course Title				Attribut	tes			SDGs No.
		Emplo	Entrepre	Skill	Gender	Environment &	Human	Professional	
PT607	CLINICAL POSTING	yability	neurship	Development	Equality	Sustainability	Value	Ethics	
		√	√	√	√		√	7	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



Effective from Session	on: 2016-17						
Course Code	PT608M	Title of the Course	PHYSIOTHERAPY- III (PHYSIOTHERAPY MANAGEMENT IN DISORDERS OF THE MUSCULOSKELETAL SYSTEM)	L	Т	P	C
Year	II	Semester	IV	3	1	0	4
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	Students are a	able to make clinical decis	ion with recent advances for musculoskeletal disorders				

	Common Orthonor
	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	Treatment of the regional Orthopaedics conditions of Upper quadrant. This subject 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	Treatment of the regional orthopedic conditions of Lower quadrant. This subject 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 OR THOPEDIC CONDITIONS OF CERVICAL AND THORACIC SPINE	Treatment of the regional orthopedic conditions of cervical and thoracic spine. This subject 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 OR THOPEDIC CONDITIONS OF LUMBOPELVIC SPINE	Treatment of the regional orthopedic conditions of lumbopelvic spine this subject 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

- 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:

- https://youtu.be/KQaVB5pqdjw
 https://youtu.be/9GbOF6JwqK8
 https://youtu.be/nEhNp0VIFRg

- https://youtu.be/fR3ipeZVib4
- https://youtu.be/YfE9NNMZXwY

PO-PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
CO	FOI	FO2	103	FO4	103	100	ro/	100	109	FO10	FOII	FO12	1301	F3O2	1303	1304	1303
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	ı	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				Attrib	utes			SDGs No.
PT608M	PHYSIOTHERAPY- III	Employa bility	Entrepre neurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
	(M)	1	√	√	√		√	√	3,4



Effective from Session:	2016-17												
Course Code	PT609M	Title of the Course	PHYSIOTHERAPY- III LAB (PHYSIOTHERAPY MANAGEMENT IN DISORDERS OF THE MUSCULOSKELETAL SYSTEM)	L	Т	P	С						
Year	II	Semester	IV	0	0	4	2						
Pre-Requisite	Nil	Co-requisite	Nil										
Course Objectives	11												

	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/nEhNp0VlFRg
- 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	FOI	FO2	FO3	FU4	103	100	ro/	100	FO9	FOIU	FOII	FU12	1301	F3O2	1303	1304	1303
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 Attributes & SDGs

Attributes & SDG8													
Course Code	Course Title		Attributes										
PT609M	PHYSIOTHERAPY- III LAB (M)	Employ ability				Gender Environment & Equality Sustainability		Professional Ethics					
	L/IB (W)	√	√	√	√		√	√	3,4				



Effective from Sessio	n: 2016-17						
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				
	The main objective of	of this course is to deve	lop independence in the research skills and to develop the	researc	ch inter	pretatio	on
Course Objectives	skill. To promote ed	ucation and research in	physiotherapy and provide academic and professional exc	ellence	e for in	nmedia	ıte
, and the second	productivity in hosp	ital, governmental, or o	clinical settings for an ultimate benefit of society and en	vironm	nent.		

	Course Outcomes
CO	The students will be able to perform literature review, identify state of the art in that field.
CO	The students will be able to define the problem and develop synopsis of a defined research problem
CO	3 The students will be able to establish a methodology using advanced tools / techniques for solving the problem including project management and
	finances.
CO	The students will be able to prepare the research report and its oral demonstrations.
CO	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.		Periodic Consultation with Guide	2	
2.	On the basics of	Regular collection of Data with the consultation of guide.	2	
3.	continuous	Command of the topic & presentation skill	2	
4.	assessment (10 Marks)	Methods, analysis, dissuasion and Conclusions	2	
5.	(10 Marks)	Contribution to knowledge and thesis structure	2	
		Review all heading		
1.		Introduction	3	
2.		Aims, objectives & research hypothesis	3	
3.		Review of literature	3	
4.	On the basics of	Material & Methods	3	
5.	External	Data analysis & results	3	
6.	Evaluators at the	Discussion, lamination & future study	3	
7.	time of End Sem Examination.	Conclusion, signification.	3	
8.	Examination.	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	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

		110	cribates et c	DOS COMMON I	or an orancie	o / Discipilites			
Course Code	Course Title				Attribut	tes			SDGs No.
		Emplo	Entrepre	Skill	Gender	Environment &	Human	Professional	
PT610	Dissertation	yability	neurship	Development	Equality	Sustainability	Value	Ethics	
		1	- √	1	√		√	√	3,4,9, 17



Effective from Sessio	n: 2016-17													
Course Code	PT611	Title of the Course	SEMINAR ON CLINICAL ISSUES	L	T	P	C							
Year	II	Semester												
Pre-Requisite	Nil	Co-requisite	Nil											
Course Objectives	issues in the effica		ents to integrate various components of patient management echniques used in musculoskeletal, neurological, cardio on 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 pointpresentations 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 communicationskills.
CO5	The students will be able to create interest to pursue lifelong learning.

SEMINAR PRESENTATION ASSESSMENTN 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	Use appropriate background information	03	
(Max marks-09)	Has clear statement of purpose	03	
(IVIAX IIIAIKS-09)	Shows a logical sequence	03	
	Includes accurate information	03	
	Shows up-to-date content	03	
E . 10	Presents relevant content	03	
Factual Content (Max marks- 21)	Shows in-depth and sufficient details	03	
(IVIAX IIIAIKS- 21)	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	
(Max marks-00)	Has a clear verbal expression and eye contact with audience	03	
Despense to avestions	Answers question(s) correctly	03	
Response to questions (Max marks-09)	Has the ability to think on the spot	03	
(Max marks-09)	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	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
CO	101	102	103	104	103	100	107	100	10)	1010	1011	1012	1501	1502	1505	1504	1505
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

Course Code	Course Title		Attributes								
PT611	SEMINAR ON CLINICAL	Emplo yability	Entrepre neurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics			
	ISSUES	✓	1	\	1		1	1	3.4.11		



Effective from Session: 2016-17										
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	Students will engage in	Students will engage in clinical practice in Physiotherapy departments in the musculoskeletal, neurology, cardiopulmonary,								
Objectives	sports settings to enhance	their clinical skills and	apply contemporary knowledge gained during teaching session	ins						

	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 POTING ASSESSMENTN FORM

Name of Student:		Session:	
Enrolment Number:		Date:	
Name of Subject:	Clinical Posting	Subject code:	PT513
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.		Ist Year/ Ist Semester	4 Months		
6.	MDT	Ist Year/ IInd Semester	4 Months		
7.	MPT	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.		Ist Year/ Ist Semester		25 Marks		
6.	MDT	Ist Year/ IInd Semester	20 Marks		50 Marks	5 Marks
7.	MPT	IInd Year/ 3rd Semester		(1 Long Case and 2 Short Case)		3 Marks
8.		IInd Year/ 4th Semester		Short Case)		

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**

	1 10001100																	
		Course Articulation Matrix: (Mapping of COs with POs and PSOs)																
	PO-PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
	CO	101	102	103	104	103	100	107	108	109	1010	1011	1012	1301	1302	1303	1304	1303
	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
Ī	CO4	3	3	3	3	2	2	3	2	1	3	-	-	2	3	2	2	3
Ī	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							
			Emplo	Entrepre	Skill	Gender	Environment &	Human	Professional		
	PT612	CLINICAL POSTING	yability	neurship	Development	Equality	Sustainability	Value	Ethics		
				.1	-1	اه		.1	al	2 4 11	