

INTEGRAL UNIVERSITY, LUCKNOW INTEGRAL INSTITUTE OF ALLIED HEALTH SCIENCES

DEPARTMENT OF PHYSIOTHERAPY

MASTER OF PHYSIOTHERAPY (MPT) SPORTS

SYLLABUS

YEAR/ SEMESTER: II/III



Effective from S	ession: 2016	-17											
Course Code	PT601	Title of the Course	MANAGEMENT, EDUCATION & PROFESSIONAL ETHICS	L	Т	Р	С						
Year	Π	Semester	III	3	3 1 0		4						
Pre-Requisite	Nil	Nil Co-requisite Nil											
	This course	is 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.												
	The education	on module of this course	will provide students information on improving their teaching skills in th	ie clas	sroom a	nd clin	ical						
Course	setting. Edu	cational theory is presen	ted. Students develop and present educational units to audiences that r	nay in	clude B	Bachelo	r of						
Objectives	Physiothera	py students or peers. It p	rovides the student with an introduction to ethical issues facing physioth	nerapis	sts. Spec	cific to	pics						
Ŭ	include doci	umentation. A variety of	current issues affecting the physiotherapy profession are addressed in thi	is cour	se. The	scienc	e of						
	managemen	nanagement is presented as it relates to the essential functions of the business of physiotherapy. Following are the topics to be											
	included but	t not limited to:		-		_							

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

	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																	
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

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



Effectiv	e from Sessio	n: 2016-17								
Course	Code	PT602	Title of the Course	BIOMECHANICS AND KINESIOLOGY-II	L	Т	Р	С		
Year	Tear II Semester III						0	4		
Pre-Rec	quisite	Nil	Co-requisite	Nil						
Course	Course Objectives Students will be able to identify and apply principles of biomechanics while setting up individualized treatment protocols.									
			(Course Outcomes						
CO1	Students mu	st know about the kine	ematics and kinetics of u	apper limb and its Pathomechanics.						
CO2	Students will	l understand about the	kinematics and kinetics	s of lower limb and its Pathomechanics.						
CO3	3 Students will understand about the kinematics and kinetics of axial skeletal and its Pathomechanics.									
CO4	Students wil	l able to learn about g	ait and posture during h	uman body assessment leading to various musculoskeletal di	sorder	s.				
00.	0.1.1	1 1 . 1 1								

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 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				
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	
Referen	nce Books:				
1.Biom	nechanics & Clinical Kinesiolog	y-Cynthia Norkin			
2. Basi	c Biomechanics. Nordins.	nielen. Otis			
4. Bion	mechanics of Human Movement	D Winter			
5. Kine	esiology: Application to Patholog	gical Motion. GL Soderberg			
e-Lea	rning Source:				
1. <u>http</u>	s://www.youtube.com/watch?v=	r7_TMkY9l2g			
2. <u>http</u>	s://www.youtube.com/watch?v=	<u>y2JZEzTG BI</u>			
3. <u>http</u>	s://www.youtube.com/watch?v=	6-nSvntEANY			
4. <u>nttp</u>	s://www.youtube.com/watch?v=				

5. <u>https://www.youtube.com/watch?v=0vvpn9cCVNI</u>

	Course Articulation Matrix: (Mapping of COs with POs and PSOs)																
PO- PSO	PO1	PO2	PO 3	РО 4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
CO	_					_											
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

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation Attributes & SDGs Common for all branches / Disciplines

Course Code Course Title Attributes SDGs Skill Gender Environment & Human Professional No. BIOMECHANICS AND Employability Entrepreneurship PT602 Development Equality Sustainability Value Ethics KINESIOLOGY-II 1 1 1 1 3,4,9 √



Effective from Session: 2016-17											
Course Code	PT603S	Title of the Course	PHYSIOTHERAPY-II (SPORTS SPECIFIC PHYSICAL THERAPY AND REHABILITATION)	L	Т	Р	С				
Year	II	Semester	III	3	1	0	4				
Pre-Requisite	Nil	Co-requisite	Nil								
Course Objectives	This course provides students with the principles of Physiotherapy management in sports related injuries and in sports training and the application of thesis principles in specific disorders. Through lectures, case conferences, journal discussions and class discussions students will be able to set up a treatment Programme tailored to the patient's needs										

	Course Outcomes
CO1	Basic principles of biomechanics are reinforced with added emphasis on the changes in biomechanical function and their subsequent effect
	on the potential and influence on overuse injuries.
CO2	A study of the sporting environment and its effect on injury mechanism, prevention and rehabilitation. The principles of injury
	Pathomechanics, tissue responses to loading and the role of sports equipment in sports injury prevention and rehabilitation
CO3	Student will understand about body type used in sports and different body measurement technique used in sports, effect of these measurement
	on performance
CO4	Student will understand ergogenic aid used in sports and natural way of increasing the performance, basic rules of doping and all drugs that are
	banned by WADA .and adverse effect of drugs on the body and how to control the doping
CO5	Basic knowledge of sports nutrition and diet which athlete have to take before game. And how athlete can sustain the activity without
	fatigue.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	SPORTS BIOMECHANICS	 Basic principles of biomechanics are reinforced with added emphasis on the changes in biomechanical function and their subsequent effect on the potential and influence on overuse injuries. 1. Biomechanics Running. 2. Biomechanics Throwing. 3. Biomechanics Jumping,. 4. Biomechanics Swimming. The student to analyze, explain and correct abnormal human movement of the above Sports Biomechanics using a variety of evaluative techniques and computerized tools. 	8	CO1
2	SPORTS ERGONOMICS	 A study of the sporting environment and its effect on injury mechanism, prevention and rehabilitation. The principles of injury Pathomechanics, tissue responses to loading and the role of sports equipment in sports injury prevention and rehabilitation. The following specific areas will be studied: 1. Mechanical support to the body - taping, splinting, braces, orthotics. 2. Protective equipment - body padding, mouth guards, helmets, headgear,etc., 3. Sport-specific problems. 4. Shoe-surface interaction (Athletic Shoes) - footwear design, surface characteristics, traction, various modifications and adaptations in shoes for specific situations and conditions. The evaluation of shoes and shoe prescription. 	8	CO2
3	KINANTHROPOMETY IN SPORTS	 Introduction to kin anthropometry Evaluation techniques Body composition Somatotyping 	8	CO3
4	ERGOGENIC AIDS & DOPING	 Doping, Types of doping, TUEC, Blood Doping. Gene Doping 	8	CO4
5	SPORTS NUTRITION	 Introduction to sports nutrition Special considerations for competitive athletes & Energy needs of the athlete Pre-competition meals Content of pre-competition meals, Glucose and insulin responses of pre-competition meals. Glycogen loading (super compensation) 	8	CO5
Referen	ce Books:			
1. Prei	tice, William E., Rehabilitation	Techniques in Sports Medicine, St. Louis: McGraw Hill Publishing Company.		
2. Gra	y, Gary W., Lower Extremity Fu	nctional Profile, 1st Edition, Adrian, MI: Wynn Marketing.		
4. Ree	d: Sports Injuries - Assessment s	and Rehabilitation. W.B. Saunders.		
5. Wil	liam E. Prentice: Rehabilitation	Fechniques - Mosby.		
6. Wei	ner Kuprian: Physical Therapy f	or Sports, W.B. Saunders		
7. Ed.	Burke & Deakin. Clinical Sports	Nutrition, 3rded., McGraw-Hill		
8. Exe	rcise physiology, Katch And Ka	tch, Mccardle		
e-Lea	rning Source: ://www.researchgate.net/publica	tion/359637877 Biomechanics of the Hammer Throw Natrative Review		
2. https://	//www.researchgate.net/publicat	ion/51201249 Blood doping and its detection		
3. https:	//www.researchgate.net/publicat	ion/20820752 The assessment of the body fat percentage by skinfold thickness in childhood and ye	oung_adolesce	ence

4. https://www.researchgate.net/publication/359783042 What is the effect of ankle disk training and taping on proprioception deficit after lateral ankle sprains a

mong_active_po	pulation	nsA_	systema	atic_revi	ew												
	Course Articulation Matrix: (Mapping of COs with POs and PSOs)																
PO-PSO	PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 PO9 PO10 PO11 PO12 PS01 PS02 PS03 PS04 PS05																
CO	101	102	105	104	105	100	107	100	10)	1010	1011	1012	1501	1502	1505	1504	1505
CO1	3	2	2	2	3	2	1	1	-	-	-	-	3	2	3	-	3
CO2	3	2	2	2	3	2	1	1	-	-	-	-	3	2	3	-	3
CO3	3	2	2	2	3	2	1	1	-	-	-	-	2	2	2	-	2
CO4	1	-	1	-	1	-	-	2	3	-	-	3	-	-	2	2	-
CO5	3	2	3	2	3	2	2	1	2	-	-	1	2	-	2	3	-

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

Course Code	Course Title	Attributes									
PT603S	PHYSIOTHERAPY II	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	No.		
	(S)	1	\checkmark	√	1		1	1	3,4		



Effective	ffective from Session: 2016-17												
Course	Code	PT604	Title of the Course	BIOMECHANICS AND KINESIOLOGY-II LAB	L	Т	Р	С					
Year		II	Semester	III	0	0	2	1					
Pre-Req	luisite	Nil	Co-requisite	Nil									
Course	Objectives	Students will be able	to identify and apply pr	inciples of biomechanics while setting up individualized tre	atment	protoc	ols.						
	-		Ĺ	Course Outcomes									
CO1	Students mu	st know about the prac	ctical aspect of kinemati	cs and kinetics of upper limb and its Pathomechanics.									
CO2	Students wil	l understand about pra	ctical aspect of the kine	matics and kinetics of lower limb and its Pathomechanics.									
CO3	Students wil	l understand about the	practical aspect of kine	matics and kinetics of axial skeletal and it's Pathomechanics	5.								
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 practical aspect of gart and posture during numan body assessment reading to various disorders. 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. Cervical2. Thoracic2. 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
Referen	nce Books:			
1.Biom	echanics & Clinical Kinesiolog	y-Cynthia Norkin		
2. Basi	c Biomechanics. Nordins.	oriology Otic		
4 Bion	nechanics of Human Movement	D Winter		
5. Kine	esiology: Application to Patholo	gical Motion. GL Soderberg		
e-Lea	rning Source:			
6. <u>https</u>	s://www.youtube.com/watch?v=	<u>-r7_TMkY9l2g</u>		
7. <u>https</u>	s://www.youtube.com/watch?v=	<u>-y2JZEzTG_BI</u>		
8. https	s://www.youtube.com/watch?v=	-6-nSvntEANY		
9. <u>https</u>	s://www.youtube.com/watch?v=	<u>=cv/alVARWpk</u>		
10. <u>https</u>	s://www.youtube.com/watch?v=	=Uvvpn9cUvni		

					Co	urse Ar	ticulati	on Mat	rix: (M	apping o	f COs w	ith POs a	and PSO	s)			
PO-PSO	PO1	PO2	PO3	PO4	PO5	P06	PO7	POS	POQ	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
CO	101	102	105	104	105	100	107	100	109	1010	1011	1012	1301	1302	1303	1504	1303
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

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



Effective from S	ession: 2016-17											
Course Code	PT605S	Title of the Course	PHYSIOTHERAPY-II LAB (SPORTS SPECIFIC PHYSICAL THERAPY AND REHABILITATION)									
Year	II	Semester	0	0	4	2						
Pre-Requisite	Nil	Co-requisite	Nil									
Course Objectives	This course provid application of the students will be ab	les students with the principles of sis principles in specific disorc sole to set up a treatment Program	of Physiotherapy management in sports related injuries and i lers. Through lectures, case conferences, journal discussion me tailored to the patient's needs	in spor ns and	ts traini class c	ng and liscussi	the					

	Course Outcomes
CO1	Basic principles of biomechanics are reinforced with added emphasis on the changes in biomechanical function and their subsequent effect
	on the potential and influence on overuse injuries.
CO2	A study of the sporting environment and its effect on injury mechanism, prevention and rehabilitation. The principles of injury
	Pathomechanics, tissue responses to loading and the role of sports equipment in sports injury prevention and rehabilitation
CO3	Student will understand about body type used in sports and different body measurement technique used in sports, effect of these measurement
	on performance
CO4	Student will understand ergogenic aid used in sports and natural way of increasing the performance, basic rules of doping and all drugs that are
	banned by WADA .and adverse effect of drugs on the body and how to control the doping
CO5	Basic knowledge of sports nutrition and diet which athlete have to take before game. And how athlete can sustain the activity without
	fatigue.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO							
1	SPORTS BIOMECHANICS	Practical aspects of the followings:1. Biomechanics Running 2. Biomechanics Throwing. 3. Biomechanics Jumping.4. Biomechanics Swimming.	8	CO1							
2	SPORTS ERGONOMICS	 Practical aspects of the followings: 1. Mechanical support to the body - taping, splinting, braces, orthotics. 2. Protective equipment body padding, mouth guards, helmets, headgear, etc. 3. Sport-specific problems. 4. Shoe-surface interaction (Athletic Shoes) - footwear design, surface characteristics, traction, various modifications and adaptations in shoes for specific situations and conditions. The evaluation of shoes and shoe prescription. 	8	CO2							
3	KINANTHROPOM ETY IN SPORTS	Practical aspects of the followings:1. Introduction to kinanthropometry.2. Evaluation techniques.3. Body composition.4. Somatotyping	8	CO3							
4	ERGOGENIC AIDS & DOPING	Practical aspects of the followings: 1. Doping, 2. Types of doping, 3. TUEC, 4. Blood Doping. 5. Gene Doping	8	CO4							
5	SPORTS NUTRITION	 Practical aspects of the followings: 1. Introduction to sports nutrition 2. Special considerations for competitive athletes & Energy needs of the athlete. 3. Pre-competition meals. 4. Content of pre-competition meals, Glucose and insulin responses of pre-competition meals. 5. Glycogen loading (super compensation) 	8	CO5							
Refere	nce Books:										
1. Pre	ntice, William E., Rehal	bilitation Techniques in Sports Medicine, St. Louis: McGraw Hill Publishing Company.									
2. Gra	ly, Gary w., Lower Exu ntice W "Therapeutic]	emity Functional Profile, 1st Edition, Adrian, MI: wynn Markeung. Modalities for Allied Health Professionals" McGraw Hill									
4. Ree	ed: Sports Injuries - Ass	essment and Rehabilitation, W.B. Saunders.									
5. Wil	liam E. Prentice: Rehab	ilitation Techniques - Mosby.									
6. We	rner Kuprian: Physical '	Therapy for Sports, W.B. Saunders									
7. Exe	7. Exercise physiology, Katch And Katch, Mccardle										
e-Lea	e-Learning Source:										
1. <u>https:</u>	//www.researchgate.net/pu	blication/35963/877_Biomechanics_of_the_Hammer_Throw_Narrative_Review_									
2. <u>https:</u>	//www.researchgate.net/pu	blication/51201249_Blood_doping_and_its_detection									

3.https://www.researchgate.net/publication/20820752 The assessment of the body fat percentage by skinfold thickness in childhood and young adolescence
 4.https://www.researchgate.net/publication/359783042 What is the effect of ankle disk training and taping on proprioception deficit after lateral ankle sprains am ong active populations - A systematic review

	Cour	se Arti	iculatio	on Mat	rix: (M	apping	g of CO	s with	POs an	d PSOs)							
PO-PSO	DO1	DOJ	DO3	DO4	DO5	DOG	DO7	DOS	DOD	PO10	DO11	DO12	DSO1	DSO2	DSO2	DSO4	DSO5
СО	FOI	FO2	103	F04	FUS	FOO	FO7	FUo	F09	F010	FOIT	FO12	1301	F302	1303	1304	1303
CO1	2	2	2	3	3	2	1	2	-	-	-	-	3	2	3	-	3
CO2	3	2	2	2	3	2	1	1	-	-	-	-	3	2	3	-	3
CO3	2	2	2	3	3	2	1	1	-	-	-	-	2	2	2	-	2
CO4	1	-	1	-	1	-	-	2	3	-	-	3	-	-	2	2	-
CO5	3	2	3	2	3	2	2	1	2	-	-	1	2	-	2	3	-

Course Code	Course Title		Attributes									
PT605S	PHYSIOTHERAPY -II	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	No.			
	(S)	1	\checkmark	1	1		\checkmark	1	3,4			



Effective from Sessio	on: 2016-17						
Course Code	PT606	Title of the Course	SEMINAR ON CLINICAL ISSUES	L	Т	Р	С
Year	II	Semester	III	0	3	0	3
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	This course will se issues in the effi rehabilitation as y	erve as a platform for stude cacy of Physiotherapy to vell as enhance presentati	ents to integrate various components of patient management echniques used in musculoskeletal, neurological, cardio on skills.	and de	bate co onary,	ntentic & Spo	ous rts

Course Outcomes The students will understand and interpret latest advancements through different technical papers, reports, Journals, Data sheets, books etc CO1 The students will inculcate the skills for literature survey and will learn to manage resources effectively. **CO2** 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 **CO3** 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. The students will be able to create interest to pursue lifelong learning. **CO5**

SEMINAR PRESENTATION ASSESSMENTN 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	Use appropriate background information	03					
(Max marks 00)	Has clear statement of purpose	03					
(Max marks-09)	(Max marks-09) Shows a logical sequence						
	Includes accurate information	03					
	Shows up-to-date content	03					
Eastual Contant	Presents relevant content	03					
(Max marks 21)	Shows in-depth and sufficient details	03					
(Iviax Inarks- 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					
Decremente questione	Answers question(s) correctly	03					
(Max marks 00)	Has the ability to think on the spot	03					
(Iviax 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

Attend	ance=5	marl	KS .

		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
СО	101	102	105	104	105	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

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

Attributes & SDGs Common for all branches / Disciplines

Course Code	Course Title				Attribut	es			SDGs No.
	SEMINAR ON CUNICAL	Emplo	Entrepre	Skill	Gender	Environment &	Human	Professional	
PT606	SEMINAR ON CLINICAL	yability	neurship	Development	Equality	Sustainability	Value	Ethics	
	ISSUES	1	1	1	*		1	4	3,4,11



Effectiv	ve from Sess	sion: 2016-17										
Course	Code	PT607	Title of the Course	CLINICAL POSTING	L	Т	Р	С				
Year		II	Semester	III	0	0	14	7				
Pre-Re	quisite	Nil Co-requisite Nil										
Course	ourse Students will engage in clinical practice in Physiotherapy departments in the musculoskeletal, neurology, cardiopulmonary,											
Object	bjectives sports settings to enhance their clinical skills and apply contemporary knowledge gained during teaching sessions.											
			C	Course Outcomes								
CO1	To learn the	e punctuality and interact	ion with colleague and	supporting staff during clinical training.								
CO2	2 To develop assessment skills.											
CO3	To develop appropriate treatment protocol.											
CO4	1 To understand the importance of documentation of the case record and case presentation.											
CO5	5 To develop discipline and improve overall quality of clinical work.											

CLINICAL POTING ASSESSMENTN FORM

Name of St	udent:	Session:	
Enrolment	Number:	Date:	
Name of Su	bject: 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)

GUIDELINES FOR CLINICAL TRAINING PROGRAM

(Head, Physiotherapy)

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.		Ist Year/ Ist Semester	4 Months
2.	MDT	Ist Year/ IInd Semester	4 Months
3.	MP I	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 Moulto		
2.	MDT	Ist Year/ IInd Semester	20 Martia	25 Marks (1 Long Coop and 2	50 Montro	5 Mortes
3.	MIP I	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	POS	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO/	PSO5
СО	101	102	105	104	105	100	107	108	109	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

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

Attributes & SDGs Common for all branches / Disciplines

Course Code	Course Title				Attribut	es			SDGs No.
		Emplo	Entrepre	Skill	Gender	Environment &	Human	Professional	
PT607	CLINICAL POSTING	yability	neurship	Development	Equality	Sustainability	Value	Ethics	
		1	1	1	1		√	1	3,4,11



INTEGRAL UNIVERSITY, LUCKNOW INTEGRAL INSTITUTE OF ALLIED HEALTH SCIENCES

DEPARTMENT OF PHYSIOTHERAPY

MASTER OF PHYSIOTHERAPY (MPT) SPORTS

SYLLABUS

YEAR/ SEMESTER: II/IV



Effective from Se	ssion:										
Comme Colle	DTCOOR	Title of the	PHYSIOTHERAPY-III	т	T	n	0				
Course Coue	P16085	Course	(SPORTS SPECIFIC PHYSICAL THERAPY AND REHABILITATION)	L	I	P	C				
Year	II	Semester	IV	3	1	0	4				
Pre-Requisite	Nil	Co-requisite	Nil								
0	This course	is course provides students with the principles of Physiotherapy management in sports related injuries and in sports									
Course	training and	ining and the application of thesis principles in specific disorders. Through lectures, case conferences, journal									
Objectives	discussions	and class discus	sions students will be able to set up a treatment Programme tailored to the pat	tient	t's n	eeds					

	Course Outcomes
CO1	This course provides students with the principles of physiotherapy management in sports related injuries and in sports training
	and the application of thesis principles in specific disorders in noncontact sports injuries
CO2	This course provides students with the principles of physiotherapy management in sports related injuries and in sports
	training and the application of thesis principles in specific disorders in limited contact sports injuries
CO3	This course provides students with the principles of physiotherapy management in sports related injuries and in sports training
	and the application of thesis principles in specific disorders in semi contact sports injuries
CO4	This course provides students with the principles of physiotherapy management in sports related injuries and in sports training
	and the application of thesis principles in specific disorder in full contact sports injuries
CO5	Student will understand about current issue in management of sports specific injuries and recent advances in technique

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Noncontact Sports Injuries	 Injuries related to Cricket Injuries related to Running Injuries related to Swimming Injuries related to Volleyball Injuries related to Tennis Injuries related to Badminton Injuries related to Gymnastics. 	8	CO1
2	Limited Contact Sports Injuries	 Injuries related to Football Injuries related to Baseball Injuries related to Basket-ball Injuries related to Hockey Injuries related to Cycling 	8	CO2
3	Semi Contact Sports Injuries	 Injuries related to Karate Injuries related to Kick Boxing Injuries related to Chinese Martial Arts Injuries related to Kalari Payattu Injuries related to Judo 	8	CO3
4	Full Contact Sports Injuries	 Injuries related to Kabbadi Injuries related to Handball Injuries related to Australian Rules football Injuries related to Taekwondo Injuries related to Wrestling Injuries related to Sumo Injuries related to Boxing 	8	CO4
5	Current Issues In Sports Physical Therapy	 Dry needling K taping. Tai-Chi Power Yoga Other Recent methods in sports Rehabilitation 	8	CO5
Referen	ce Books:			
1.Prent	ice, William E., Reha	bilitation Techniques in Sports Medicine, St. Louis: McGraw Hill Publishing Company	1 11/2 2001	
2.sport	Sports Injuries - Ass	essment and Rehabilitation WB Saunders	ikiiis, 2001	
4. Werr	her Kuprian: Physical	Therapy for Sports, W.B. Saunders.		
e-Lea	rning Source:			
1- <u>https</u>	s://www.researchgate.ne	et/publication/279658546 A review of cricket injuries and the effectiveness of strategies to	prevent cr	icket injuri
es_at_a	<u>III_IEVEIS</u>	et/publication/359685359 Common Sports Injury in Ecotball Playars A Paviow		
2- <u>intp</u> 3- http	s://www.researchgate.n	et/publication/306247784 Injuries Sustained by the Mixed Martial Arts Athlete		

4- https://www.researchgate.net/publication/348512423 A Literature Review on Common Injuries and Their Prevention in Kabaddi

		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
СО	101	102	105	104	105	100	107	100	10)	1010	1011	1012	1501	1502	1505	1504	1505
CO1	2	3	3	3	2	3	2	2	3	-	2	1	3	3	2	1	2
CO2	2	3	3	3	2	3	2	2	3	-	2	1	3	3	2	1	2
CO3	2	3	3	3	2	3	2	2	3	-	2	1	3	3	2	1	2
CO4	2	3	3	3	2	3	2	2	3	-	2	1	3	3	2	1	2
CO5	-	-	2	-	2	2	2	-	1	-	1	-	2	1	1	-	2

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

				The is all the t	200					
Course Code	Course Title		Attributes							
PT608S	PHYSIOTHERAPY- III	Employ ability	Entrepre neurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics		
1 10005	(S)	1	\checkmark	\checkmark	\checkmark		\checkmark	\checkmark	3,4	



Effectiv	e from Se	ssion: 2016-17								
Course	Code	PT600S	Title of the	PHYSIOTHERAPY-III LAB	т	т	D	C		
Course	Coue	110095	Course	(SPORTS SPECIFIC PHYSICAL THERAPY AND REHABILITATION)	L	I	1	C		
Year		II	Semester	IV	0	0	4	2		
Pre-Requisite Nil Co-requisite Nil										
C		This course p	provides students	with the principles of Physiotherapy management in sports related injuries and in sports	oorts	trai	ning	and		
Objectiv	VOC	the application	on of thesis pr	inciples in specific disorders. Through lectures, case conferences, journal discu	ssio	ns a	nd cl	ass		
discussions students w			tudents will be a	ble to set up a treatment Programme tailored to the patient's needs						
	Course Outcomes									
CO1	This course provides students with the principles of physiotherapy management in sports related injuries and in sports training and the									
	application of thesis principles in specific disorders in noncontact sports injuries									

CO2	This course provides students with the principles of physiotherapy management in sports related injuries and in sports training and the
	application of thesis principles in specific disorders in limited contact sports injuries
CO3	This course provides students with the principles of physiotherapy management in sports related injuries and in sports training and the
	application of thesis principles in specific disorders in semi contact sports injuries
CO4	This course provides students with the principles of physiotherapy management in sports related injuries and in sports training and the
	application of thesis principles in specific disorder in full contact sports injuries

CO5 Student will understand about current issue in management of sports specific injuries and recent advances in technique

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	NON CONTACT SPORTS INJURIES	 Practical demonstration and hands on technique for assessment and management of following sports 1.Injuries related to Cricket. 2.Injuries related to Running. 3.Injuries related to Swimming. 4.Injuries related to Volleyball. 5.Injuries related to Tennis. 6.Injuries related to Badminton. 7. Injuries related to Gymnastics. 	8	CO1
2	LIMITED CONTACT SPORTS INJURIES	Practical demonstration and hands on technique for assessment and management of following sports: 1. Injuries related to Football. 2. Injuries related to Baseball. 3. Injuries related to Basketball. 4. Injuries related to Hockey. 5.Injuries related to Cycling	8	CO2
3	SEMI CONTACT SPORTS INJURIES	Practical demonstration and hands on technique for assessment and management of following sports1. Injuries related to Karate. 2. Injuries related to Kick Boxing3. Injuries related to Chinese Martial Arts. 4. Injuries related to Kalari Payattu 5. Injuries related to Judo	8	CO3
4	FULL CONTACT SPORTS INJURIES	 Practical demonstration and hands on technique for assessment and management of following sports: 1. Injuries related to Kabbadi 2.Injuries related to Handball. 3. Injuries related to Australian Rules football. 4.Injuries related to Taekwondo 5.Injuries related to Wrestling. 6.Injuries related to Sumo. 7.Injuries related to Boxing 	8	CO4
5	CURRENT ISSUES IN SPORTS PHYSICAL THERAPY	Practical demonstration and hands on technique on advance physiotherapy technique: 1. Dry needling 2.K taping. 3.Tai-Chi. 4.Power Yoga. 5.Other Recent methods in sports Rehabilitation	8	CO5

Reference Books:

1.Prentice, William E., Rehabilitation Techniques in Sports Medicine, St. Louis: McGraw Hill Publishing Company

2.Sports Injuries: Mechanisms, Prevention, Treatment Freddie H. Fu, David Alan Stone, Lippincott Williams & Wilkins, 2001

3.Reed: Sports Injuries - Assessment and Rehabilitation, W.B. Saunders

4. Werner Kuprian: Physical Therapy for Sports, W.B. Saunders.

e-Learning Source:

1- https://www.researchgate.net/publication/279658546_A_review_of_cricket_injuries_and_the_effectiveness_of_strategies_to_prevent_cricket_injurie s_at_all_levels

2- https://www.researchgate.net/publication/359685359_Common_Sports_Injury_in_Football_Players_A_Review

3- https://www.researchgate.net/publication/306247784_Injuries_Sustained_by_the_Mixed_Martial_Arts_Athlete

4- https://www.researchgate.net/publication/348512423_A_Literature_Review_on_Common_Injuries_and_Their_Prevention_in_Kabaddi

		Course Articulation Matrix: (Mapping of COs with POs and PSOs)															
PO-PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	POS	POQ	PO10	PO11	PO12	DSO1	DSO2	DSO3	PSO4	DSO5
СО	101	102	105	104	105	100	107	108	109	1010	1011	1012	1501	1502	1305	1504	1305
CO1	2	2	3	3	2	3	2	2	3	-	2	1	3	3	2	1	2
CO2	2	3	2	3	2	3	2	2	3	-	2	1	3	3	2	1	2
CO3	2	3	2	3	2	3	2	2	3	-	2	1	3	3	2	1	2
CO4	2	3	3	2	2	3	2	2	3	-	2	1	3	3	2	1	2
CO5	-	-	2	-	2	2	2	-	1	-	1	-	2	1	1	-	2

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

Attributes	&	SDGs
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Course Code	Course Title		Attributes							
PT609S	PHYSIOTHERAPY-III	Emplo yability	Entrepre neurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics		
	LAB (S)	1	1	1	1		1	4	3,4	



Effective from Sessio	n: 2016-17												
Course Code	PT610	Title of the Course	Dissertation	L	Т	Р	С						
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	m						
Course Objectives	skill. To promote ed	1. To promote education and research in physiotherapy and provide academic and professional excellence for immediate											
· ·	productivity in hosp	ital, governmental, or o	clinical settings for an ultimate benefit of society and en	vironn	nent.								

_		
		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.		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.	(10 Marks)	Methods, analysis, dissuasion and Conclusions	2	
5.	(10 Warks)	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	Conclusion, signification.	3	
8.	Examination.	Bibliography	3	
9.		Tables, graph, diagram & Annexure (if any) Statistical Analysis Master	3	
		Chart		
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	PO1	PO2	PO3	PO/	PO5	PO6	PO7	POS	POQ	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO/	PSO5
СО	101	102	105	104	105	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

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

Attributes & SDGs Common for all branches / Disciplines

Course Code	Course Title		Attributes										
PT610	Dissertation	Emplo yability	Entrepre neurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics					
		1	1	1	V		1	1	3,4,9, 17				



Effective from Sessio	on: 2016-17						
Course Code	PT611	Title of the Course	SEMINAR ON CLINICAL ISSUES	L	Т	Р	С
Year	II	Semester	IV	0	3	0	3
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	This course will serv issues in the effica rehabilitation as we	e as a platform for stude cy of Physiotherapy to l as enhance presentati	ents to integrate various components of patient management echniques used in musculoskeletal, neurological, cardio on skills.	and de	bate co onary,	ntentio & Spo	ous rts

	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 IIIarKS-03)	Shows a logical sequence	03	
	Includes accurate information	03	
	Shows up-to-date content	03	
Eastual Contant	Presents relevant content	03	
(Max marka 21)	Shows in-depth and sufficient details	03	
(Iviax 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	
Demonstrations	Answers question(s) correctly	03	
(May marks 00)	Has the ability to think on the spot	03	
(IVIAX IIIAIKS-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**.

Cases during clinical posting= 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	POS	POQ	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
СО	101	102	105	104	105	100	107	108	109	1010	1011	1012	1301	1302	1305	1304	1505
C01	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	es			SDGs No.
PT611	SEMINAR ON CLINICAL	Emplo yability	Entrepre neurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
	155UES	1	√	1	4		4	1	3,4,11



Effecti	ve from S	ession: 2016-17									
Course	e Code	PT612	Title of the Course	CLINICAL POSTING	L	Т	Р	С			
Year		II	Semester	III	0	0	14	7			
Pre-Re	equisite	Nil	Co-requisite	Nil							
Course	Students will engage in clinical practice in Physiotherapy departments in the musculoskeletal, neurology, cardiopulmonary,										
Object	jectives sports settings to enhance their clinical skills and apply contemporary knowledge gained during teaching sessions.										
			(Course Outcomes							
CO1	To learn	the punctuality and interact	ion with colleague and	supporting staff during clinical training.							
CO2	To devel	op assessment skills.									
CO3	To devel	op appropriate treatment pr	otocol.								
CO4	14 To understand the importance of documentation of the case record and case presentation.										
CO5	To devel	op discipline and improve	overall quality of clinica	l work.							
			~								

CLINICAL POTING ASSESSMENTN FORM

Name of St	tudent:		Session:	
Enrolment	Number:		Date:	
Name of St	ubject:	Clinical Posting	Subject code:	PT513
Topics:				
S. No.	Point to be C	Considered	Max. Marks	Marks Obtained
1.	Punctuality		5	
2.	Interaction	with colleagues and supporting staff	5	
3.	Maintenanc	e of case records	5	
4.	Presentation	n of case during rounds	5	
5.	Investigatio	n work up	5	
6.	Bedside Ma	nners	5	
7.	Rapport wit	h patients	5	
8.	Treatment a	pproach & technique	5	
9.	Discipline		5	
10.	Overall qua	lity of clinical work	5	
		TOTAL SCORE	50	

(Name and signature of Incharge)

GUIDELINES FOR CLINICAL TRAINING PROGRAM

(Head, Physiotherapy)

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.	MPT	Ist Year/ IInd Semester	4 Months
7.	MIF 1	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 Moulto		
6.	MDT	Ist Year/ IInd Semester	20 Martra	25 Marks	50 Moulto	5 Mortro
7.	MIP I	IInd Year/ 3rd Semester	20 Marks	(1 Long Case and 2 Short Case)	50 Marks	5 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

		Course Articulation Matrix: (Mapping of COs with POs and PSOs)															
PO-PSO	PO1	PO2	PO3	PO/	PO5	PO6	PO7	POS	POQ	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
СО	101	102	105	104	105	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

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	4	1	4		4	√	3,4,11	