



INTEGRAL UNIVERSITY, LUCKNOW

INTEGRAL INSTITUTE OF ALLIED HEALTH SCIENCES & RESEARCH

DEPARTMENT OF PHYSIOTHERAPY

BACHELOR OF PHYSIOTHERAPY

**(BPT)
SYLLABUS**

YEAR/ SEMESTER: IV/VII



Integral University, Lucknow

Effective from Session: 2018-19							
Course Code	PT401	Title of the Course	ORTHOPAEDICS PHYSIOTHERAPY-I	L	T	P	C
Year	IV	Semester	VII	3	1	0	4
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	The student will be able to plan & prescribe short-term & long-term Physiotherapy treatment by selecting appropriate modes of evaluation and intervention in case of various Orthopedic conditions for the relief of pain, healing, restoration / maintenance of function & maximum functional independence.						

Course Outcomes	
CO1	To understand the traumatology of upper limb fractures with their management with their special test.
CO2	To understand the traumatology of lower limb, spine and pelvis fractures with their management with their special test.
CO3	To understand the management of various orthopedic surgeries and post-surgery management.
CO4	To understand the pathophysiology of various musculoskeletal conditions, congenital and acquired anomalies with its assessment and treatment protocol.
CO5	Demonstrate an understanding of orthopedic conditions causing disability, clinical features and methods of investigations and management.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	PHYSIOTHERAPY APPROACH IN UPPER LIMB TRAUMA	Basic concepts of physiotherapy management in different stages of soft tissue lesion. Effects of therapeutic modalities in various traumatic conditions. Physiotherapy assessment and management of upper limb fractures during immobilization and mobilization phase. Physiotherapy assessment and management of upper limb dislocations and soft tissue. Injury during immobilization and mobilization phase.	8	CO1
2	PHYSIOTHERAPY APPROACH IN LOWER LIMB AND SPINE TRAUMA	Physiotherapy assessment and management of lower limb fractures during immobilization and mobilization phase. Physiotherapy assessment and management of lower limb dislocations during. Immobilization and mobilization phase. Physiotherapy assessment and management of lower limb soft tissue injuries. Physiotherapy assessment and management of spine and pelvis fracture during. Immobilization and mobilization phase.	8	CO2
3	PHYSIOTHERAPY APPROACH TOWARDS ORTHOPEDIC SURGERIES	Arthroplasty and Arthroscopy, Osteotomy, Arthrodesis and Bone Grafting, Muscle tendon and nerve surgeries, Spinal Surgeries	8	CO3
4	PHYSIOTHERAPY IN AMPUTATION	Pre and post operative assessment and Goals of management. Level of amputation of upper limb and lower limb. Stump care, Bandaging, Pre and post prosthetic management. Complication of amputation and their management.	8	CO4
5	PHYSIOTHERAPY IN BONE AND JOINT INFECTION AND BONE TUMORS	Physiotherapy assessment and management of bone infection on the basis of physical and functional diagnosis. Physiotherapy assessment and management of joint infection on the basis of physical and functional diagnosis. Physiotherapy assessment and management of bone tumors on the basis of physical and functional diagnosis.	8	CO5

Reference Books:																	
1. Cash Text books of Orthopedics and Rheumatology for physiotherapist Jaypee Publication																	
2. Neuromusculoskeletal Examination and assessment fourth edition by Nicola J. Petty Churchill Livingstone																	
3. Orthopedic physical assessment third and fifth Edition by David J Magee.																	
4. Essential Orthopedics third Edition by Maheshwari Mehta publishers.																	

e-Learning Source:																	
1. https://youtu.bae/XJrRrsMCEmp8																	
2. https://youtu.bae/XJrRrsMCEmp8																	
3. https://youtu.be/U49922kHUclk																	
4. https://youtu.be/eITZWAAoWfY10																	

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

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

Course Code	Course Title	Attributes							SDGs No.
PT401	ORTHOPAEDICS PHYSIOTHERAPY-I	Empleyability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	3,4
		√	√	√	√		√	√	



Integral University, Lucknow

Effective from Session: 2018-19							
Course Code	PT405	Title of the Course	ORTHOPAEDICS PHYSIOTHERAPY-I LAB	L	T	P	C
Year	IV	Semester	VII	0	0	4	2
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	The student will be able to plan & prescribe short-term & long-term Physiotherapy treatment by selecting appropriate modes of evaluation and intervention in case of various Orthopedic conditions for the relief of pain, healing, restoration / maintenance of function & maximum functional independence.						

Course Outcomes	
CO1	To understand the traumatology of upper limb fractures with their management with their special test.
CO2	To understand the traumatology of lower limb, spine and pelvis fractures with their management with their special test.
CO3	To understand the management of various orthopedic surgeries and post-surgery management.
CO4	To understand the Pathophysiology of various musculoskeletal conditions, congenital and acquired anomalies with its assessment and treatment protocol.
CO5	Demonstrate an understanding of orthopedic conditions causing disability, clinical features and methods of investigations and management.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	PHYSIOTHERAPY APPROACH IN UPPER LIMB TRAUMA	Physiotherapy assessment and management of upper limb fractures during immobilization and mobilization phase. Physiotherapy assessment and management of upper limb dislocations and soft tissue. Injury during immobilization and mobilization phase.	8	CO1
2	PHYSIOTHERAPY APPROACH IN LOWER LIMB AND SPINE TRAUMA	Physiotherapy assessment and management of lower limb fractures during immobilization and mobilization phase. Physiotherapy assessment and management of lower limb dislocations during. Immobilization and mobilization phase. Physiotherapy assessment and management of lower limb soft tissue injuries. Physiotherapy assessment and management of spine and pelvis fracture during. Immobilization and mobilization phase.	8	CO2
3	PHYSIOTHERAPY APPROACH TOWARDS ORTHOPEDIC SURGERIES	Demonstration of post operative rehabilitation of Arthroplasty and Arthroscopy, Osteotomy, Arthrodesis and Bone Grafting, Muscle tendon and nerve surgeries, Spinal Surgeries	8	CO3
4	PHYSIOTHERAPY IN AMPUTATION	Pre and post operative assessment and Goals of management. Level of amputation of upper limb and lower limb. Stump care, Bandaging, Pre and post prosthetic management. Complication of amputation and their management.	8	CO4
5	PHYSIOTHERAPY IN BONE AND JOINT INFECTION AND BONE TUMORS	Physiotherapy assessment and management of bone infection on the basis of physical and functional diagnosis. Physiotherapy assessment and management of joint infection on the basis of physical and functional diagnosis. Physiotherapy assessment and management of bone tumors on the basis of physical and functional diagnosis.	8	CO5

Reference Books:	
1.	Cash Text books of Orthopedics and Rheumatology for physiotherapist Jaypee Publication
2.	Neuromusculoskeletal Examination and assessment fourth edition by Nicola J. Petty Churchill Livingstone
3.	Orthopedic physical assessment third and fifth Edition by David J Magee.
4.	Essential Orthopedics third Edition by Maheshwari Mehta publishers.
e-Learning Source:	
1.	https://youtu.bae/XJrRrsMCEmp8
2.	https://youtu.bae/XJrRrsMCEmp8
3.	https://youtu.be/U49922kHUcIk
4.	https://youtu.be/eITZWAAoWfY10

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

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

Course Code	Course Title	Attributes							SDGs No.
PT405	ORTHOPAEDICS PHYSIOTHERAPY-I LAB	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	3,4
		√	√	√	√		√	√	



Integral University, Lucknow

Effective from Session: 2018-19							
Course Code	PT406	Title of the Course	NEUROPHYSIOTHERAPY LAB	L	T	P	C
Year	IV	Semester	VII	0	0	4	2
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	The student will be able to conduct a safe and effective rehabilitation program with advance rehabilitation techniques on the patient with neurological conditions.						

Course Outcomes	
CO1	Know about the identification and analyze movement dysfunction due to neuromuscular skeletal disorders in terms of biomechanical and biophysical basics correlate the same with health condition.
CO2	Understand the routine electro physiological, radiological, and biochemical investigation and arrive at appropriate physical therapy diagnosis using WHO – ICF with clinical reasoning.
CO3	Able to plan realistic goal based on the knowledge of prognosis of the diseases of the nervous system and prescribe appropriate, safe evidence-based physiotherapy intervention.
CO4	Understand infection control principles, best practices, and techniques applicable to a range of setting where client with neurological conditions.
CO5	Identify disability due to neurological dysfunction, set treatment goals and apply their skills in exercise therapy, electrotherapy, and massage in clinical situation to restore neurological function.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	NEUROPHYSIOLOGICAL TECHNIQUES	NDT, PNF, Rood's Sensorimotor Approach, Sensory Integration Approach, Brunnstorm movement therapy, Motor relearning program.	8	CO1
2	PEDIATRIC NEUROLOGY	Developmental milestones, developmental reflexes	8	CO2
3	NEUROLOGICAL ASSESSMENT	Higher mental function examination, Motor & Sensory examination, Reflex testing, Balance & Coordination examination, Gait analysis, Functional analysis	8	CO3
4	EVALUATION AND MANAGEMENT	Function re-education, intensive care management, pediatric and geriatric management	8	CO4
5	ASSESSMENT AND MANAGEMENT OF NEUROLOGICAL GAITS	Quantitative and Qualitative (Kinetic & Kinematics) analysis, List of Problems, short-term & long-term goals, Management of following Neurological Gaits-Hemiplegic gait, Parkinson gait, High step gait, Hyperkinetic gait, Hypo kinetic gait, waddling gait, Scissoring gait, Spastic gait, Chorea form Gait, Diplegic Gait, and Myopathic Gait.	8	CO5

Reference Books:	
1.	Physical rehabilitation – Susan O` Sullivan, 5th edition
2.	Neurological Rehabilitation – D. A. Umphred, 6th edition
3.	Physical medicine and rehabilitation – Braddom, 3rd edition
4.	The neurological examination – De Myer's, 6th edition
e-Learning Source:	
1.	https://youtu.be/QDntJgxt9Hhr8
2.	https://youtu.be/yF8cdcxN0XTLk
3.	https://youtu.be/L03LI34IbcIg
4.	https://youtu.be/NjL0P6JxVpEs

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

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

Course Code		Course Title		Attributes						SDGs No.
PT406	NEUROPHYSIOTHERAPY LAB	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	3,4,9	
		√	√	√	√		√	√		



Integral University, Lucknow

Effective from Session: 2018-19							
Course Code	PT408	Title of the Course	SEMINAR ON CLINICAL ISSUES	L	T	P	C
Year	IV	Semester	VII	0	2	0	2
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	This course will serve as a platform for students to integrate various components of patient management and debate contentious issues in the efficacy of Physiotherapy techniques used in musculoskeletal, neurological, cardiopulmonary, & Sports rehabilitation as well as enhance presentation skills.						

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

SEMINAR PRESENTATION ASSESSMENTN FORM

Name of Student:		Session:	
Enrolment Number:		Date:	
Name of Subject:	Seminar on Clinical Issues	Subject code:	PT408
Topics:			

Criteria	Sub-Criteria	Max. Marks	Marks Obtained
Introduction (Max marks-05)	Use appropriate background information	02	
	Has clear statement of purpose	02	
	Shows a logical sequence	01	
Factual Content (Max marks- 10)	Includes accurate information	02	
	Shows up-to-date content	02	
	Presents relevant content	02	
	Shows in-depth and sufficient details	01	
	Addresses all important issues	01	
	Is selective	01	
	Use of proper English Grammar in the text	01	
Presentation Quality (Max marks-03)	Has a good design of presentation (appropriate font, type, size, color, matter per slide etc.)	02	
	Has a clear verbal expression and eye contact with audience	01	
Response to questions (Max marks-05)	Answers question(s) correctly	02	
	Has the ability to think on the spot	02	
	Shows an ability to defend content of presentation	01	
Time Management (Max. mark-02)	Completes the presentation within allocated time	02	
Total Marks		25	

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

BPT- 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 clinical examination of 50 marks will be distributed:

Seminar Presentation=25marks.

Viva voce =20 marks

Attendance=5 marks

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

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

Attributes & SDGs

Course Code	Course Title	Attributes						SDGs No.	
		Empleyability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value		Professional Ethics
PT408	SEMINAR ON CLINICAL ISSUES	√	√	√			√	√	3,4,9, 17



INTEGRAL UNIVERSITY, LUCKNOW

INTEGRAL INSTITUTE OF ALLIED HEALTH SCIENCES & RESEARCH

DEPARTMENT OF PHYSIOTHERAPY

BACHELOR OF PHYSIOTHERAPY

**(BPT)
SYLLABUS**

YEAR/ SEMESTER: IV/VIII



Integral University, Lucknow

Effective from Session: 2018-19							
Course Code	PT411	Title of the Course	SPORT PHYSIOTHERAPY-II	L	T	P	C
Year	IV	Semester	VIII	3	1	0	4
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	The student will be able to acquire concept of evaluation of sports and Sports injuries, and also will be able to provide Sports Training and Physiotherapy in particular to Sports injuries.						

Course Outcomes	
CO1	Prevention, Evaluation, and Management of Various Sports Injuries: Student will be able to understand prevention of different sports injuries using protective gear and Evaluation of Various Sports Injuries
CO2	Evaluation and Management of Various Sports Injuries: Student will be able to perform evaluation and mechanism of injuries and management of Various Sports Injuries of upper limb
CO3	Evaluation and Management of Various Sports Injuries: Student will be able to perform evaluation and mechanism of injuries in management of various sports Injuries of lower limb
CO4	Sports Nutrition, Doping & Medical Conditions in Athletes: Student will be acknowledged about basics Sports Nutrition and its importance in sports Doping & Medical Conditions in Athletes and importance of strength in sports and principles of resistance training in athlete
CO5	Introduction to Applied Sports Biomechanics: Student will be able to understand about Applied Sports Biomechanics and its role in injury prediction and prevention

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	PREVENTION, EVALUATION, AND MANAGEMENT OF VARIOUS SPORTS INJURIES	Pre-participation Evaluation, On field evaluation, Off field evaluation, Introduction to protective gear used for spine, upper limb, and lower limb, Introduction to Emergency care of a sports person	8	CO1
2	EVALUATION AND MANAGEMENT OF VARIOUS SPORTS INJURIES	Mechanism, prevention, and assessment and Physiotherapy management of injuries in: Shoulder: Impingement Syndrome, Rotator Cuff tear, Bicep Tendinitis, AC Joint sprain. Elbow: Lateral epicondylitis, medial epicondylitis, little league elbow, Wrist: Dequervance tenosynovitis, scaphoid fracture, Hand : Mallet finger, boxer fracture, boutenniere injuries, Spine: Whiplash injuries	8	CO2
3	EVALUATION AND MANAGEMENT OF VARIOUS SPORTS INJURIES	Mechanism, prevention, assessment and Physiotherapy management of injuries in-Hip & Groin: Piriformis syndrome, ITBFS, Adductor strain, Knee & leg: PFPS, ACL Injury, Hoffa's disease, Tennis leg, Shin Splint, Foot & Ankle: Ankle Sprain, Planter Fasciitis. Chest, abdomen	8	CO3
4	SPORTS NUTRITION, DOPING & MEDICAL CONDITIONS IN ATHLETES	Doping, Basic principles of Resistance Training, Sports Nutrition, Medical problems in athlete, Biomechanics of Running and its clinical implication	8	CO4
5	INTRODUCTION TO APPLIED SPORTS BIOMECHANICS	Biomechanics of Throwing and its clinical implication. Biomechanics of Running and its clinical implication, Biomechanics of Swimming and its clinical implication.	8	CO5

Reference Books:	
1.	Clinical Sports Medicine–By Karim Khan
2.	Physical rehabilitation of a injured athlete – By Andrews & Harrelson
3.	Therapeutic Exercise – By Micheal Huggins
4.	Athletic & Sports Issues in Musculoskeletal Rehabilitation – By David J Magee
e-Learning Source:	
1.	https://youtu.be/upxeWJs5Pio
2.	https://youtu.be/UgSWHs49K4s
3.	https://youtu.be/ECQ6fqR3x0c
4.	https://youtu.be/HP5TSg9YJnE

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	2	3	2	3	-	1	1	1	2	1	2	2	3	2	2
CO2	2	1	3	3	3	-	2	-	1	3	1	3	3	2	3	3	1
CO3	1	2	3	2	2	-	1	1	-	2	-	2	3	3	2	2	2
CO4	2	2	3	3	3	-	2	-	-	3	-	3	3	2	2	2	1
CO5	1	2	3	3	3	-	1	-	1	3	1	3	3	2	2	3	1

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

Course Code	Course Title	Attributes							SDGs No.
		Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
PT411	SPORT PHYSIOTHERAPY-II	√	√	√	√		√	√	3,4,9



Integral University, Lucknow

Effective from Session: July 2018							
Course Code	PT412	Title of the Course	COMMUNITY BASED REHABILITATION IN PHYSIOTHERAPY	L	T	P	C
Year	IV	Semester	VIII	3	1	0	4
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	The students will understand the concept of team approach in Rehabilitation, Observation and Identification of diagnostic features, Medical & surgical aspects of disabling conditions. Identification of residual potentials in patients with partial & total disability. Formulation of appropriate goals in treatment and rehabilitation.						

Course Outcomes	
CO1	Introduction to Rehabilitation: The student understands the concept of rehabilitation and delivery of health care with medical team work.
CO2	Introduction to Health Care System: The student able to learn disability evaluation within the physical therapy domain from impairment to disability.
CO3	Introduction to Industrial Therapy: The student will able to effectively communicate both orally and in writing the general principles of Industrial therapy, occupational hazards and manual handling concept to rule the musculoskeletal problem and their rehabilitation.
CO4	Introduction of Ergonomics: To understand the need of ergonomics and client evaluation in job assessment, placement with proper work conditioning and work hardening.
CO5	Introduction to Geriatric: To understand the geriatric rehabilitation under the theories of aging and physiological changes due to aging to make the lifestyle physically active.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	INTRODUCTION TO REHABILITATION	Introduction to Rehabilitation Medicine Delivery of Rehabilitation care CBR & its model Planning Management & Evaluation of CBR Program Community & Evaluation of client in community	8	CO1
2	INTRODUCTION TO HEALTH CARE SYSTEM	Health Planning Management & Health Care of Community Resources and agencies involved in CBR Disability Legislation Disability Evaluation Role of International organization in Health Sector	8	CO2
3	INTRODUCTION TO INDUSTRIAL THERAPY	Industrial therapy – Primary rehabilitation team & other rehabilitation discipline Occupational hazards Tool and Designs Manual material handling and material assistive device Employee fitness program	8	CO3
4	INTRODUCTION OF ERGONOMICS	Ergonomics and job analysis Job placement assessment and pre-employment screening Work conditioning and work hardening Office ergonomics – work station evaluation and design Back injury prevention program	8	CO4
5	INTRODUCTION TO GERIATRIC	Theories of aging Physiological response to Aging Principles of Geriatric Physical Therapy program Posture Balance and Fall in elderly Ambulation care	8	CO5

Reference Books:	
1.	Community Based Rehabilitation of Person with disabilities – By S.
2.	Physiotherapy in Community Health & Rehabilitation – By Waqar Naqvi
3.	Principles of Geriatric Physiotherapy – By N. K. Multani, S. K. Verma
4.	Text Book of Rehabilitation – By S. Sunder
e-Learning Source:	
1.	https://youtu.be/mVgiDhl-IwU
2.	https://youtu.be/eujYbzaBkE0
3.	https://youtu.be/OPqTjnqejnQ

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

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

Attributes & SDGs

Course Code	Course Title	Attributes						SDGs No.	
		Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value		Professional Ethics
PT412	COMMUNITY BASED REHABILITATION IN PHYSIOTHERAPY	√	√	√	√		√	√	3,4



Integral University, Lucknow

Effective from Session: July 2018							
Course Code	PT414	Title of the Course	SPORT PHYSIOTHERAPY-II LAB	L	T	P	C
Year	IV	Semester	VIII	0	0	4	2
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	To identify, discuss, analyze, plan & prescribe & acquire the skill of executing on field and off field Physiotherapy treatment in the Regional sports condition.						

Course Outcomes	
CO1	Students will understand about hands- on techniques in various on field test like Illinois and Rockport test.
CO2	Students will understand about various plyometric technique associated with endurance and flexibility used in sports specific training protocols.
CO3	Students will understand about sports specific techniques to increase efficiency of athlete during event participation.
CO4	Students will understand about specificity of special tests in order to rule out various non pathological conditions.
CO5	Students will understand about the various first aid assembly in management during sports event efficiently and rehabilitate accordingly.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	AGILITY TEST	Demonstration and hands- on techniques in various on field test like Illinois and Rockport test.	8	CO1
2	PLYOMETRICS – UPPER LIMB AND LOWER LIMB	Demonstrate various plyometrics techniques associated with endurance and flexibility used in sports specific training protocols.	8	CO2
3	DIFFERENT TECHNIQUES USED IN COMMON SPORTS CONDITION	Demonstrate sports specific techniques to increase efficiency of athlete during event participation.	8	CO3
4	SPECIAL TEST IN SPORTS	To understand specificity of special tests in order to rule out various non pathological conditions.	8	CO4
5	DEMONSTRATION OF ON FIELD AND OFF FIELD MANAGEMENT	To understand about the various first aid assembly in management during sports event efficiently and rehabilitate accordingly.	8	CO5

Reference Books:	
1.	Clinical Sports Medicine – By Karim Khan
2.	Physical rehabilitation of a injured athlete – By Andrews & Harrelson
3.	Therapeutic Exercise – By Micheal Huggins
4.	Athletic & Sports Issues in Musculoskeletal Rehabilitation – By David J Magee
e-Learning Source:	
1.	https://youtu.be/upxeWJs5Pio
2.	https://youtu.be/UgSWHs49K4s
3.	https://youtu.be/ECQ6fqR3x0c
4.	https://youtu.be/HP5TSg9YJnE

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	2	3	3	3	-	1	1	1	2	1	2	2	3	2	2
CO2	2	1	3	2	3	-	2	-	1	3	1	3	3	2	3	3	1
CO3	1	2	3	3	2	-	1	1	-	2	-	2	3	3	3	2	2
CO4	2	2	3	3	3	-	1	-	-	3	-	3	3	2	2	2	1
CO5	1	2	3	3	3	-	1	-	1	3	1	3	3	2	2	3	1

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

Course Code	Course Title	Attributes							SDGs No.
		Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
PT414	SPORT PHYSIOTHERAPY-II LAB	√	√	√	√		√	√	3,4,9



Integral University, Lucknow

Effective from Session: 2018-19										
Course Code	PT415	Title of the Course	PROJECT				L	T	P	C
Year	IV	Semester	VIII				0	4	0	4
Pre-Requisite	Nil	Co-requisite	Nil							
Course Objectives	The main objective of this course is to develop independence in the research skills and to develop the research interpretation skill. To promote education and research in physiotherapy and provide academic and professional excellence for immediate productivity in hospital, governmental, or clinical settings for an ultimate benefit of society and environment.									

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

PROJECT ASSESSMENTN FORM

Name of Student:		Session:	
Enrolment Number:		Date:	
Name of Subject:	PROJECT	Subject code:	PT415
Topics:			

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

Comments/Suggestions:

(Name and signature of Incharge)

(Head, Physiotherapy)

EVALUATION OF BPT PROJECT

Evaluation of Project of BPT- Students has to prepare oral presentation during the final viva; 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 evaluation (Continuous Assessment=40+15+5):

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

Course Code	Course Title	Attributes							SDGs No.
PT415	PROJECT	Empla yability	Entrepre neurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	3,4,9, 17
		√	√	√	√		√	√	



Integral University, Lucknow

Effective from Session: 2018-19							
Course Code	PT416	Title of the Course	SEMINAR ON CLINICAL ISSUES	L	T	P	C
Year	IV	Semester	VIII	0	2	0	2
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	This course will serve as a platform for students to integrate various components of patient management and debate contentious issues in the efficacy of Physiotherapy techniques used in musculoskeletal, neurological, cardiopulmonary, & Sports rehabilitation as well as enhance presentation skills.						

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

SEMINAR PRESENTATION ASSESSMENT FORM

Name of Student:		Session:	
Enrolment Number:		Date:	
Name of Subject:	Seminar on Clinical Issues	Subject code:	PT416
Topics:			

Criteria	Sub-Criteria	Max. Marks	Marks Obtained
Introduction (Max marks-05)	Use appropriate background information	02	
	Has clear statement of purpose	02	
	Shows a logical sequence	01	
Factual Content (Max marks- 10)	Includes accurate information	02	
	Shows up-to-date content	02	
	Presents relevant content	02	
	Shows in-depth and sufficient details	01	
	Addresses all important issues	01	
	Is selective	01	
	Use of proper English Grammar in the text	01	
Presentation Quality (Max marks-03)	Has a good design of presentation (appropriate font, type, size, color, matter per slide etc.)	02	
	Has a clear verbal expression and eye contact with audience	01	
Response to questions (Max marks-05)	Answers question(s) correctly	02	
	Has the ability to think on the spot	02	
	Shows an ability to defend content of presentation	01	
Time Management (Max. mark-02)	Completes the presentation within allocated time	02	
Total Marks		25	

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

BPT- 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 clinical examination of 50 marks will be distributed:

Seminar Presentation=**25marks**.

Viva voce =**20 marks**

Attendance=**5 marks**

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

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

Attributes & SDGs

Course Code	Course Title	Attributes						SDGs No.	
		Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value		Professional Ethics
PT416	SEMINAR ON CLINICAL ISSUES	√	√	√			√	√	3,4,9, 17

