

INTEGRAL UNIVERSITY, LUCKNOW

INTEGRAL INSTITUTE OF ALLIED HEALTH SCIENCES & RESEARCH

DEPARTMENT OF PHYSIOTHERAPY

BACHELOR OF PHYSIOTHERAPY

(BPT) SYLLABUS YEAR/ SEMESTER: III/V



Effectiv	e from S	ession: 2017-18									
Course	Code	PT301	Title of the Course	GENERAL SURGERY	L	Т	Р	С			
Year		III	Semester	V	3	1	0	4			
Pre-Rec	quisite	Nil	Co-requisite	Nil							
Course Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectives Objectiv											
				Course Outcomes							
CO1	Student	t able to understan	d about general surgical	procedures and post surgical complications							
CO2	Student	t able to understand	d various degree of burn	n their management and basic procedure and advantage of plastic surg	ery						
CO3	Student	t able to understand	d various abdominal su	geries							
CO4	Student able to understand various conditions including Sinusitis & Rhinitis, Pharangitis & laryngitis, Deafness										
CO5	Student	t able to understan	d various ophthalmolog	ical conditions							
T T •/	r					N	1				

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	GENERAL SURGERY & INFECTIONS	 Wound (basic principles of wound healing, types and management), Ulcer, Abcess, Sinus, Infection, Tetanus 	8	CO1
2	BURN & PLASTIC SURGERY	 Burn, Scar, Cysts, Basics of Plastic Surgery, Skin grafting, Shocks, types, Clinical Feature and Management 	8	CO2
3	ABDOMINAL SURGERY	 Cholecystectomy & Hysterectomy, Nephractomy & Appendectomy, Prostatectomy & Mastectomy, Cystectomy & Colostomy, Hernia 	8	CO3
4	ENT	 Sinusitis & Rhinitis, ASOM & CSOM, Otosclerosis & Meneire's disease, Pharangitis & laryngitis, Deafness 	8	CO4
5	EYE	 Basic Sciences–Anatomy, Physiology of Eye, Physiological & Refraction Optics, Squint. Ocular motility disorder, Lens–Cataract, Cornea and Sclera-Ulcer, degeneration, Keratoplasty, Miscellaneous- Brief about Glaucoma, Uvea and Retinal Disorder 	8	CO5
Referenc	e Books:			
1. A	A Practical Guide to Opera	tive Surgery: S.Das		
2. 5 3. P	Principle of Surgery: Schwa			
4. 0	Concise book of general Su	Irgery by Aggrawal, N.K.		
5. E	Essential of Surgery by Ag	grawal, S.B.		
6. S	burgery A clinical Approac	h by Bongard, FredS.		
7. N	Aany Jane Gray, J. A.Meri	11.		
8. T	ext book of Ear, Nose &	Throat disease By MohammadMaqbool		
9. 0	General Surgical Operation	s by R. M. Kirk and R.C.N.Williamson.		
10. A	A text of Clinical Opthalmo	blogy		
e-Learn	ning Source:	ne		
1. <mark>N</mark>	ups.//youtu.be/5_brWLZSMI			

2. https://youtu.be/V1KhO6se7ko

	Course Articulation Matrix: (Mapping of COs with POs and PSOs)																
PO-PSO	PO1	PO2	PO3	PO/	PO5	PO6	PO7	PO8	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	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	1	-
CO2	2	3	-	-	-	-	-	-	-	-	-	2	3	-	-	-	-
CO3	1	3	1	-	-	-	-	-	-	-	-	3	3	-	-	-	1
CO4	1	3	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-
CO5	2	3	1	-	-	-	-	-	-	-	-	2	3	-	-	-	1

Course Code	Course Title		Attributes											
	GENERAL	Employability	Entrepre	Skill	Gender	Environment &	Human	Professional						
PT 301	SURGERY	Employability	neurship	Development	Equality	Sustainability	Value	Ethics						
	SUKULKI	√		1	1		4	1	3,4					



Effectiv	e from S	ession: 2017-18				
Course	Code	PT302	Title of the Course	GENERAL ORTHOPEDICS & TRAUMATOLOGY	LT	P C
Year		III	Semester	V	3 1	0 4
Pre-Rec	quisite	Nil	Co-requisite	Nil		
Course Objecti	ves	The objective of understanding of 75% accuracy (a	this course is that after f orthopedic conditions s measured by written, c	the lectures & demonstration, in addition to clinics the student will be causing disability and their management. In addition the student will oral & practical internal evaluations) the following objectives of the cou	able to demo be able to f irse.	onstrate an ulfill with
				Course Outcomes		
CO1	Student and ma	ts will understand nagement.	about basic concept of	bone and joint infection, bone tumours & TB with their clinical exa	mination, inv	vestigation
CO2	Knowle Osteon	edge in regards t ecrosis) is gained.	to different types of m	etabolic and non-traumatic disorders of bone (Osteomalacia, Rick	tets, Osteopo	rosis, and
CO3	Student surgica	ts will understa 1 management of t	and the etiology, cl he fracture	assification, pathology, clinical features, relevant investigation	, complicat	ions and
CO4	Gain kı	nowledge about fra	acture dislocation and so	ft tissue injury with their investigation and management		
CO5	Learn a	bout the principle	s, contraindications, indi	ications, complications of different types of techniques used in Orthope	edic Surgery.	
Unit					Contact	Mannad
No.	Titl	le of the Unit		Content of Unit	Hrs.	CO
1	G ORT	ENERAL HOPAEDICS	Basic concept of bone management).Osteom principle of Bone Tum	and joint infections (Clinical examination, investigation, yelitis & infectious arthritis, T.B of joint and spine. General nors & Common benign and malignant tumor of bones	8	CO1
2	META OT TR DIS	ABOLIC AND THER NON AUMATIC ORDER OF BONE	Osteomalacia & Ricke Osteochondrosis	ets, Osteoporosis, Paget's disease & Osteopetrosis, Osteonecrosis &	8	CO2
3	TRAU (FI	JMATOLOGY RACTURE)	Basics of fracture(Hea fracture & basic princi (Humerus, Radius, Ulu (Femur, Tibia, Fibula,	ling, clinical & radiological feature of fracture), Complication of ple of fracture management, Common fracture of long bone of U/L na, Metacarpal & Phalanges),Common fracture of long bone of L/L Metatarsal, &Phalanges)	8	CO3
4	TRAU (FI DISL	JMATOLOGY RACTURE, .OCATION & SOFT SUEINJURY)	Common fracture of sp Ligament, Tendon , M	pine (Cervical, Thoracic, Lumbar),Basic concept of dislocation, luscle injury, Shoulder & Elbow, Hip &Patella	8	CO4
5	ORT S	COMMON THOPAEDIC URGERY	Arthrodesis and Arthro Arthroscopy. Amputat	oplasty. Bone grafting and Tendon transfer. Osteotomy and ion (Basic principle, level, indication contraindication complication)	8	CO5
Reference	e Books:					
1. E	ssential (Orthopaedics: Mah	eshwari			
2. T	extbook	of Orthopaedics: k	Kotwal and Natrajan			
3. A	pley Syst	em of orthopedics a	and Fracture			
4. E	ssential C	Clinical Orthopaed	lics by John Ebenezer			
5. O	Outline of t	fracture: Adams				
e-Lear	ning Sour	ce:				
<u>1.</u> <u>h</u>	<u>ttps://you</u>	tu.be/19yGc73lrss	c			
2. <u>h</u>	ttps://you	tu.be/INMJnvtjdU				
$3. \underline{h}$	ups://you	tu bo/7uc tm61m	<u>v</u>			
4. <u>n</u>	ttps://you	tu be/h_pI iHI6or	<u>n</u>			
<u> </u>	<u></u>		<u>v</u>			
			Course Arti	culation Matrix: (Mapping of COs with POs and PSOs)		
DO DEC						

	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	PSO/	PSO5
СО	101	102	105	104	105	100	107	100	10)	1010	1011	1012	1501	1502	1505	1504	1505
CO1	1	3	1	1	-	1	1	-	-	1	1	3	3	-	3	1	-
CO2	2	3	2	-	-	1	1	-	-	2	-	2	2	2	2	2	-
CO3	1	2	3	1	-	-	-	-	-	2	-	2	3	2	1	1	1
CO4	1	3	3	1	-	-	-	-	-	1	-	1	3	1	1	1	1
CO5	1	3	2	1	-	-	-	1	-	1	-	2	3	-	1	-	-
				1 T	<u> </u>			M		1.4			7l.4*.				

Course Code	Course Title		Attributes										
	GENERAL	Employab	Entrepre	Skill	Gender	Environment &	Human	Professional					
PT 302	ORTHOPEDICS &	ility	neurship	Development	Equality	Sustainability	Value	Ethics					
	TRAUMATOLOGY	4	4	1	V		4	1	3,4				



Effectiv	e from So	ession: 2017-18											
Course	Code	PT303	Title of the Course	MANUAL THERAPY	L	Т	Р	С					
Year		III	Semester	V	3	1	0	4					
Pre-Rec	quisite	Nil	Co-requisite	Nil									
Course		This course include	des a detailed study of so	ome special techniques of treatment used in Physiotherapy that will help) to ma	ake studer	nts abl	e to					
Objectiv	ves	treat problems that are related to different systems of the body.											
				Course Outcomes									
CO1	To under	rstand the history of	f Physiotherapy in ancient	time as well as modern time, Understand basic concepts of manual therapy,	effects	and utiliz	ation	with					
	biomech	anical conceptual &	nical conceptual & its application in Physiotherapy.										
CO2	To under	stand the basic prin	ciples for different school of	of thought (Maitland, Mulligan, Keltenborn, Mackenzie,) of Joint mobilizatio	n techn	iques and	procee	dure					
GOA	of applic	ation with proper ma	anner of application with de	osimeters in body by different types of joint mobilization techniques.	<u> </u>	1	1	C					
CO3	To under	rstand the basic prin	ciples for different school	of thought (Butler, Cyriax, PNF, PRT, MET etc) of soft tissue mobilization to	echniqu	ies and pr	ocedur	e of					
CO4	To under	rstand the basic prin	ciples different types of C	ardiopulmonary techniques used for cardiopulmonary dysfunction. At the en	d stude	ent must k	now al	bout					
004	the prope	er application of CP	T in ICU, ICCU.										
CO5	To under	rstand about the diff	erent types of manual thera	apy concept (Roods, Bobath, PNF, transferring) used in physiotherapy for tre	ating di	ifferent ne	urolog	gical					
	physioth	erapy conditions.											
Unit	T :41	641 II '4				Contact	Ma	pped					
No.	Title	tle of the Unit Content of Unit											
			History of manual thera	py, Definition of manual therapy, mobilization and manipulation and its u	ses.								
1	BASIC	CONCEPTS IN	Theoretical Basis for	manual Therapy-Anatomy and biomechanics of the joints, Effects	; of	8	C	01					
-	MANU	AL THERAPY	manual therapy, Biom	nechanical principles in manual therapy. Implementation of manual ther	apy	č							
			over the human body										

	MANUAL IIILKAI I	over the human body		
2	INTRODUCTION TO JOINT MOBILIZATION TECHNIQUES	Maitland concepts and techniques, Mulligan concepts and techniques, McKenzie concepts and techniques.	8	CO2
3	INTRODUCTION TO SOFT TISSUE MOBILIZATION TECHNIQUES	Cyriax concepts and techniques, Muscle energy technique, Positional Release Techniques, Taping Techniques.	8	CO3
4	MANUAL THERAPY IN CARDIO- PULMONARY	Breathing Exercise techniques, Self Assisted Coughing Techniques, Postural drainage, its indications and contraindications and its applications, Respiratory muscle training. Airway clearance technique: Active cycle of breathing technique. Autogenic drainage technique. PEP techniques.	8	CO4
5	MANUAL THERAPY IN NEUROLOGY	Proprioceptive Neuromuscular Facilitation - Conceptual framework, principle of Proprioceptive neuromuscular facilitation (PNF) techniques, including indications, therapeutic effects and precautions. Neural Mobilization: Buttler concepts and techniques, Roods Approaches, Transfer Technique.	8	CO5
Reference	e Books:			

1. Therapeutic Exercise by Carolyn Kisner

2. S Brent Brotzman. Kevin ewilk clinical orthopaedic rehabilitation

3. Kessler, management of common musculo skeletal disorders.

4. Positional Release technique- Leon Chaitow

5. Neurodynamics mobilization technique-Buttler

6. Muscle Energy techniques- Leon Chaitow

7. Physical Therapy of the Cervical and Thoracic Spine by Gran

8. Grieve's Modern Manual Therapy

9. Science and Practice of Manual therapy by EyalLyderma

10. Motor control by Shummway Cook.

e-Learning Source:

1. <u>https://youtu.be/G_QI7bVrHN0</u> 2. https://youtu.be/QBII2woyZM0

3. https://youtu.be/s9Q9W13ilHY

4. https://youtu.be/mO36BglY6P8

5. https://youtu.be/acUZdGd_3Dg

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

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

Course Code	Course Title				Attribute	5			SDGs No.
		Employab	Entrepre	Skill	Gender	Environment &	Human	Professional	
PT 303	MANUAL THERAPY	ility	neurship	Development	Equality	Sustainability	Value	Ethics	
		1	√	1	4		4	4	3,4



Effectiv	e from Se	ession: 2017-18								
Course	Code	PT304	Title of the Course	BIOMECHANICS & KINESIOLOGY	LT	Р	С			
Year		III	Semester	V	3 1	0	4			
Pre-Rec	quisite	Nil	Co-requisite	Nil						
Course		This course inclu	des a detailed study of so	ome special techniques of treatment used in Physiotherapy that will help to	o make stude	ents abl	e to			
Objecti	ves	treat problems that	at are related to different s	systems of the body.						
				Course Outcomes						
CO1	The stud	lent will be able t	to learn basic anatomy of	f shoulder complex elbow and forearm and its biomechanics.						
CO2	The stud	lent will be able t	to learn basic arthrology	of wrist complex, hand complex its biomechanics.						
CO3	The stuc	lent will be able t	to learn basic arthrology	of Hip and pelvis complex and its biomechanics.						
CO4	The stud	lent will be able t	to learn basic arthrology	of knee, ankle and foot complex and its biomechanics.						
CO5	The stuc	lent will be able t	to learn basic arthrology	of cervical, Thorax and Lumbar.						
Unit No.	Title	e of the Unit		Content of Unit	Contact Hrs.	Map CO	ped D			
		HPOLOGY	Description of the follo	wing joint biomechanics:						
1	AND K	INEMATICS	1. Shoulder con	nplex (Glenohumeral, Sternoclavicular, Acromioclavicular, and	8	CC)1			
1	K	INETICS	Scapulothoracic).		0	00	. 1			
			2. Elbow and forearn	n (Superior Radio ulnar, Radiohumeral & Ulnohumeral).						
	ART	HROLOGY	Description of the follo	wing joint biomechanics:						
2	AND K	INEMATICS,	1. Wrist complex (R	adio carpal & Intercarpal),	8	CC)2			
	KI	INETICS	2. Hand complex (C	complex (Carpometacarpal, Metacarpophalange)						
	ART	HROLOGY	Description of the follo							
3	AND K	INEMATICS,	1. Hip, Plevic (Sacro	piliac joint) &	8	CC)3			
	KI	INETICS	2. Knee							
	ART	HROLOGY	Description of the follo	wing joint biomechanics:						
4	AND K	INEMATICS.	1. Ankle &		8	CC)4			
	KI	INETICS	2. Foot Complex (Su	ubtalar, Tarsometatarsal, Met tarsophalangeal)	, i i i i i i i i i i i i i i i i i i i					
			Description of the follo	wing joint biomechanics:						
	ART	HROLOGY	1. Cervical.							
5	AND K	INEMATICS,	2 Thorax and		8	CC)5			
	K	INETICS	2. Lumber							
Defenone	De alvar		3. Lumbai							
1 Loint	C DOOKS:	and Eurotian	A commenciation Analyza	is Dr. Crmthie Norking						
1. Joint 2. Clini	ical Kinesi	$\frac{1}{100}$ $\frac{1}$	al Therapist Assistants	IS, DY CYHUIIA NOIKIIIS. IP Bros Medical Publishers Bangalore 1 st Indian Ed1007						
3. Basi	c Biomech	nanics Explained	- Low & Reed - Butterw	orthHeinmann						
4. Kine	siology: A	Applied to Patholo	ogical Motion - Soderber	rg Lippincott						
5. Ther	apeutic Ex	xercise by Caroly	n Kisner, F. A. Davis.							
6. Basi	c Biomech	nanics. Nordins.								
7. Basi	c Biomech	nanics & clinical	Kinesiology. Otis							
8. Bion	nechanics	of Human Mover	ment. D Winter							
e-Lear	ning Sourc	e:								
1 1. httr	os://voutu.]	be/i5873VW2ohy	W							

<u>https://youtu.be/gQz18YILEwI</u>
 <u>https://youtu.be/IGVp13TcRjk</u>
 <u>https://youtu.be/0R4zRSE_40</u>

5. https://youtu.be/EEW_aM-lpQk

	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	100	10)	1010	1011	1012	1501	1502	1505	1504	1505
CO1	1	3	1	1	-	-	-	1	-	2	-	2	2	2	2	3	-
CO2	1	3	2	2	-	-	-	-	-	3	-	3	2	3	1	2	-
CO3	1	3	3	1	-	-	-	1	-	2	-	2	3	2	1	3	-
CO4	1	3	3	2	-	-	-	-	-	3	-	3	2	3	2	2	-
CO5	1	3	2	1	-	-	-	-	-	2	-	3	3	2	2	3	-

Course Code	Course Title		Attributes										
	BIOMECHANICS &	Employab	Entrepre	Skill	Gender	Environment &	Human	Professional					
PT 304	KINESIOLOGY	ility	neurship	Development	Equality	Sustainability	Value	Ethics					
	KINESIOLOGY	1	4	4	4		4	4	3,4,9				



Effectiv	e from S	ession: 2017-18					
Course	Code	PT305	Title of the Course	MANUAL THERAPY LAB	L T	I	P C
Year		III	Semester	V	0 0	4	4 2
Pre-Rec	quisite	Nil	Co-requisite	Nil			
Course		This course inclu-	des a detailed study of so	ome special techniques of treatment used in Physiotherapy that will help	to make st	tudents	s able to
Objectiv	ves	treat problems that	at are related to different s	systems of the body.			
		· –		Course Outcomes			
CO1	To unde	erstand the history of	f Physiotherapy in ancient	time as well as modern time. Understand basic concepts of manual therapy, e	ffects and	utilizat	ion with
cor	biomech	nanical conceptual &	its application in Physiothe	rano as won as modern time, chaerstand busic concepts of mandal alcrapy, c grapy.	ficets and	atilizati	ion with
CO2	To unde	erstand the basic prin	ciples for different school	of thought (Maitland, Mulligan, Keltenborn, Mackenzie,) of Joint mobilization	techniques	s and pr	rocedure
	of appli	cation with proper m	anner of application with d	osimeters in body by different types of joint mobilization techniques.	-	-	
CO3	To unde	erstand the basic prin	ciples for different school	of thought (Butler, Cyriax, PNF, PRT, MET etc) of soft tissue mobilization tec	hniques ar	id proce	edure of
004	applicat	ion with proper man	ner of application with dosi	meters in body by different types of soft tissue mobilization techniques.	. 1 .	. 1	1
CO4	10 unde	erstand the basic prin	T in ICU ICCU	ardiopulmonary techniques used for cardiopulmonary dysfunction. At the end	student m	ast kno	w about
C05	To unde	erstand about the diff	ferent types of manual ther	any concept (Roods Bobath PNF transferring) used in physiotherapy for treat	ing differe	ent neur	cological
005	physioth	nerapy conditions.	erent types of manaar then	app concept (noods), 200aan, 11(2, aansterning, ased in physiconerapy for deal	ing uniore	iii iicui	orogieur
							
Unit	Tit	le of the Unit		Content of Unit	Conta	et N	Mapped
110.			Practical aspects of M	anual therapy on joint muscle ligaments etc.	1115.		0
1	BASIC	CONCEPTS IN	Effects of manual the	erany Biomechanical principles in manual therapy Implementation of	8		CO1
1	MANU	JAL THERAPY	manual therapy over the	human body	0		001
	INTRO	DUCTION TO			-		
		JOINT	Practical aspects of M	anual therapy of following on models/patients:	0		G 00
2	MO	BILIZATION	Maitland concepts and	t techniques, Mulligan concepts and techniques, McKenzie concepts	8		CO ₂
	TE	CHNIQUES	and techniques.				
	INTRO	DUCTION TO	Due etical concerts of M	annel the second of fellen in a second als (section to)	1		
2	SO	FT TISSUE	Practical aspects of M	anual therapy of following on models/patients:	0		CO^{2}
5	MO	BILIZATION	Taning Tashnigua	echniques, Muscle energy technique, Positional Release Technique,	0		COS
	TE	CHNIQUES	Taping Technique.				
			Practical aspects of M	anual therapy of following on models/patients:			
	MANU	JAL THERAPY	Breathing Exercise te	chniques, Self Assisted Coughing Techniques, Postural drainage, its			
4	IN	I CARDIO-	indications and contra	indications and its applications, Respiratory muscle training. Airway	8		CO4
	PU	LMONARY	clearance technique: A	ctive cycle of breathing technique. Autogenic drainage technique. PEP			
			techniques.		<u> </u>		
			Practical aspects of M	anual therapy of following on models/patients:			
5	MANU	JAL THERAPY	Proprioceptive Neur	omuscular Facilitation - Conceptual Iranework, principle of	0		CO5
5	IN N	JEUROLOGY	therapeutic effects an	d precentions Neural Mobilization: Buttler concepts and techniques	0		COS
			Roods Approaches Tr	insfer Technique			
Defenene	Do Do olvar		Roods rippiodenes, m		1		
Kelerenc	e books:		17'				
1. Thera	apeutic E	xercise by Carolyn	Kisner	test			
2. S Bren	nt Brotzm	an. Kevin ewilk ch	inical orthopaedic renabil	Itation			
J. Kessle	r, manag	ement of common	musculo skeletal disorder	8.			
4. POSIUC	dunamia	mobilization tash	vigue Buttler				
5. Neuro	uynannes Io Enorm	toophiquos Loon	Chaitow				
7 Dhusic	al Thore	rechniques- Leon	and Thorasia Spins by	Gran			
7. Fliysic	e's Mode	rn Manual Theran		Jian			
9 Science	cs moue	actice of Manual f	y herany hy Evall yderma				
10 Moto	or control	by Shimmway Co	ok.				
e-Lear	ning Sour	ce:					
1. https:	//youtu.be	e/G_QI7bVrHN0					
2. https	://youtu.b	e/QBII2woyZM0					
3. https	://youtu.b	e/s9Q9W13ilHY					
4. <u>https:</u>	//youtu.be	e/mO36BglY6P8					
5. <u>https:</u>	//youtu.be	e/acUZdGd_3Dg					
			Course Art	culation Matrix: (Manning of COs with POs and PSOs)			

		Course Articulation Matrix: (Mapping of COs with FOs and FSOs)															
PO-PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
CO	101	102	105	104	105	100	107	100	10)	1010	1011	1012	1501	1502	1505	1504	1505
CO1	1	3	-	3	3	-	-	1	-	-	-	1	1	-	3	-	1
CO2	2	3	1	2	3	-	-	1	1	2	1	3	2	2	3	2	-
CO3	1	3	2	3	3	-	-	1	1	2	1	2	2	3	2	3	-
CO4	1	3	2	2	3	-	-	1	2	2	-	3	3	2	3	2	1
CO5	1	3	3	3	3	-	-	1	2	2	1	3	2	3	2	3	-

Course Code	Course Title		Attributes S										
PT 305	MANUAL THERAPY	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics					
	LAB	ام	ما	al	4		4	4	31				



Effectiv	e from S	ession: 2017-18					
Course	Code	PT306	Title of the Course	BIOMECHANICS & KINESIOLOGY LAB	LT	Р	С
Year		III	Semester	V	0 0	2	1
Pre-Re	quisite	Nil	Co-requisite	Nil			
Course Objecti	ves	This course inclu treat problems th	ides a detailed study of so at are related to different s	ome special techniques of treatment used in Physiotherapy that will help t systems of the body.	o make stude	ents able	to :
				Course Outcomes			
CO1	The stu	dent will be able	to learn basic anatomy of	shoulder complex elbow and forearm and its biomechanics.			
CO2	The stu	dent will be able	to learn basic arthrology	of wrist complex, hand complex its biomechanics.			
CO3	The stu	dent will be able	to learn basic arthrology	of Hip and pelvis complex and its biomechanics.			
CO4	The stu	dent will be able	to learn basic arthrology	of knee, ankle and foot complex and its biomechanics.			
CO5	The stu	dent will be able	to learn basic arthrology	of cervical, Thorax and Lumbar.			
Unit No.	Titl	e of the Unit		Content of Unit	Contact Hrs.	Mapp CO	ed
1	ART AND F K	THROLOGY KINEMATICS, INETICS	Practical aspects or den 1. Shoulder con Scapulothoracic). 2. Elbow and forearm (3	nonstration of biomechanical concepts on below joints: nplex (Glenohumeral, Sternoclavicular, Acromioclavicular, and Superior Radio ulnar, Radiohumeral & Ulnohumeral).	4	CO	1
2	ART AND K K	THROLOGY KINEMATICS, INETICS	Practical aspects or den1. Wrist complex (R2. Hand complex (C	nonstration of biomechanical concepts on below joints: adio carpal & Intercarpal), arpometacarpal, Metacarpophalange)	4	CO2	2
3	ART AND F K	THROLOGY KINEMATICS, INETICS	Practical aspects or den1. Hip, Plevic (Sacro2. Knee	nonstration of biomechanical concepts on below joints: piliac joint) &	4	CO	3
4	ART AND F K	THROLOGY KINEMATICS, INETICS	Practical aspects or den1. Ankle &2. Foot Complex (Su	nonstration of biomechanical concepts on below joints: Ibtalar, Tarsometatarsal, Met tarsophalangeal)	4	CO4	4
5	ART AND F K	THROLOGY KINEMATICS, INETICS	Practical aspects or den1. Cervical,2. Thorax and3. Lumbar	nonstration of biomechanical concepts on below joints:	4	COS	5
Referen	e Books:						
1. Joi	nt Structu	re and Function –	A comprehensive Analy	rsis, By Cynthia Norkins.			
2. Clin	ical Kines	siology for Physic	al Therapist Assistants, J	P Bros Medical Publishers, Bangalore, 1 st Indian Ed1997			
3. Basi	c Biomec	hanics Explained	- Low & Reed – Butterv	vorth Heinmann			
4. Kine	siology: A	Applied to Pathol	ogical Motion - Soderber	g Lippincott			
5. The	apeutic E	xercise by Caroly	n Kisner, F. A. Davis.				
6. Basi	c Biomec	hanics. Nordins.	Vinasiology Otic				
/. Basi	C BIOINEC	of Human Move	ment D Winter				
e-Lear	ning Sour	re:					

1. <u>https://youtu.be/j5873VW2ohw</u>

<u>https://youtu.be/gQz18YILEwI</u>
 <u>https://youtu.be/IGVp13TcRjk</u>
 <u>https://youtu.be/0R4zRSE_-40</u>

5. https://youtu.be/EEW_aM-lpQk

	Course Articulation Matrix: (Mapping of COs with POs and PSOs)																
PO-PSO	PO1	PO2	PO3	PO4	PO5	POG	PO7	POS	POQ	PO10	PO11	PO12	DSO1	DSO2	DSO3	DSO/	PSO5
СО	101	102	105	104	105	100	107	108	109	1010	1011	1012	1501	1302	1305	1304	1305
CO1	2	3	1	3	-	-	-	1	-	2	-	2	3	3	2	3	-
CO2	1	3	2	2	-	-	-	-	-	3	-	3	2	3	1	2	-
CO3	1	3	3	2	-	-	-	2	-	2	-	2	3	2	1	2	-
CO4	1	3	2	2	-	-	-	-	-	3	-	3	2	3	2	2	-
CO5	1	3	3	1	-	-	-	-	-	2	-	3	3	2	2	3	-

Course Code	Course Title		Attributes										
	BIOMECHANICS &	Employab	Entrepre	Skill	Gender	Environment &	Human	Professional					
PT 306	KINESIOLOGY LAD	ility	neurship	Development	Equality	Sustainability	Value	Ethics					
	KINESIOLOG I LAB	√	1	√	1		4	√	3,4,9				



Effective from Session: 2018-19											
Course Code	PT307	Title of the Course	SEMINAR ON CLINICAL ISSUES	L	Т	Р	С				
Year	III	Semester	V	0	2	0	2				
Pre-Requisite	Nil	Co-requisite	Nil								
Course Objectives	This course will serv issues in the effica rehabilitation as wel	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 pul mo	bate co onary,	ntentio & Spo	ous orts				

 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:	PT315
Topics:			

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

					Cou	rse Arti	culatio	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	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					

Course Code	Course Title				Attribut	es			SDGs No.
PT307	SEMINAR ON CLINICAL	Emplo yability	Entrepre neurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
	ISSUES	1	1	1			1	1	3,4,9, 17



Effectiv	ve from Sess	sion: 2015-16												
Course	Code	PT308	Title of the Course	CLINICAL POSTING	L	Т	Р	С						
Year		III	Semester	V	0	0	10	5						
Pre-Re	quisite	Nil	Co-requisite	Nil										
Course	:	Students will engage i	n clinical practice in F	Physiotherapy departments in the musculoskeletal, neurol	ogy, c	cardiop	ulmona	ary,						
Objecti	bjectives sports settings to enhance their clinical skills and apply contemporary knowledge gained during teaching sessions.													
			(Course Outcomes										
CO1	To learn the	e punctuality and interact	ion 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 St	udent:		Session:	
Enrolment	Number:		Date:	
Name of Su	ıbject:	Clinical Posting	Subject code:	PT308
Topics:				
S. No.	Point to be	Considered	Max. Marks	Marks Obtained
1.	Punctuality	7	4	
2.	Interaction	with colleagues and supporting staff	2	
3.	Maintenand	ce of case records	3	
4.	Presentatio	n of case during rounds	2	
5.	Investigatio	on work up	2	
6.	Bedside Ma	anners	2	
7.	Rapport wi	th patients	2	
8.	Treatment a	approach & technique	3	
9.	Discipline		2	
10.	Overall qua	ality of clinical work	3	
		TOTAL SCORE	25	

(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.		IIIrd Year/ Vth Semester	4 Months
2.	DDT	IIIrd Year/ VI th Semester	4 Months
3.	BPI	IVth Year/ VII th Semester	4 Months
4.		IVth Year/ VIII th 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.		IIIrd Year/ Vth Semester		10 Maulaa		
2.	DDT	IIIrd Year/ VI th Semester	10 Marka	10 Marks	25 Morka	5 Morka
3.	DP1	IVth Year/ VII th Semester	10 Marks	(1 Long Case and 2 Short Case)	25 Marks	5 Marks
4.		IVth Year/ VIII th Semester		Short Case)		

EVALUATION OF CLINICAL POSTING

BPT- Students has to prepare 1 long case and 2 short cases during their clinical posting. The evaluation for internal clinical examination of 50 marks will be distributed: Cases during clinical posting=**20 marks**.

Viva voce =25 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
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		Attributes										
PT308	CLINICAL POSTING	Emplo yability	Entrepre neurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics					
		1	√	1	*		√	*	3,4,11				



INTEGRAL UNIVERSITY, LUCKNOW

INTEGRAL INSTITUTE OF ALLIED HEALTH SCIENCES & RESEARCH

DEPARTMENT OF PHYSIOTHERAPY

BACHELOR OF PHYSIOTHERAPY

(BPT)

SYLLABUS

YEAR/ SEMESTER: III/VI



Effective from Sessio	n: 2017-18											
Course Code	PT309	Title of the Course	REGIONAL ORTHOPAEDICS	L	Т	Р	С					
Year	III	Semester	VI	3	1	0	4					
Pre-Requisite	Nil	Co-requisite	Nil									
Course Objectives	The objective of this	course is that after 40 h	ours of lectures & demonstration, in addition to clinics the st	udent	will be	e able t	0					
Course Objectives	demonstrate an understanding of orthopaedic conditions causing disability and their management.											

Course Outcomes

CO1	Shoulder and Elbow: Students will understand about basic concept of assessment and medical management of shoulder and Elbow disease and
	dysfunctions.
CO2	Wrist and Hand: Students will understand about basic concept of assessment and medical management of wrist and hand disease and
	dysfunctions.
CO3	Knee, Ankle and Foot: Students will understand about basic concept of assessment and medical management of knee, ankle and foot disease and
	dysfunctions.
CO4	Hip and Spine: Students will understand about basic concept of assessment and medical management of hip and spine disease and dysfunctions.
CO5	Rheumatology and Nerve Injury: Students will understand about basic concept of assessment and medical management of Rhumatological
	disorders and peripheral nerve injury of upper and lower limb.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO						
1	SHOULDERANDE LBOW	Frozen Shoulder and Rotator Cuff Disease, Tennis Elbow Golfer Elbow Student Elbow, Pulled Elbow Cubitus Varus Cubitus Valgus, Pronator Teres Syndrome Radial Tunnel Syndrome	8	CO1						
2	WRIST AND HAND	Carpal Tunnel Syndrome, Ulnar Tunnel Syndrome, Dupuetryns Contracture, Madlungs deformity, Dequervains Disease, Ganglion, Trigger finger, Thumb and Mallet finger	8	CO2						
3	KNEE, ANKLE AND FOOT	Knee Osteoarthritis, Chondromalacia patella, meniscopathy, Genu Varus, Genu Valgus, Genu recurvatum, CTEV, Flat Foot Pes Cavus, Plantar fasciitis, Metatarsalagia, Halux valgus, Halux varus	8	CO3						
4	HIP ANDSPINE	ANDSPINE Hip Osteo arthritis, Perthe's Disease, Coxa Vara, Coxa Valga, CDH, PIVD, Spondylosis, Spondylolisthesis, lumbar canal Stenosis, Kyphosis, Scoliosis, Lordosis								
5	RHEUMATOLOG Y AND NERVE INJURY	Gout, Rheumatoid Arthritis, Ankylosing Spondylitis, Psoriatic Arthritis, Basic of nerve injury, Brachial Plexusinjury, Common nerve injury of UL and LL	8	CO5						
Refere	ence Books:									
1. Te	xtbook of Orthopaedics:	Kotwal and Natrajan								
2. Ess	sential Orthopaedics: Ma	aheshwari								
3. Ou 4. An	lev. Systems of Orthon	edics and Fracture								
5. Es	5. Essential Clinical Orthopaedics by John Ebenezer									
e-Le	arning Source:									
1. <u>ht</u>	tps://youtu.be/5zpXbvEf9j	<u>)</u>								

2. https://youtu.be/z-SeJh5-nOo

3. https://youtu.be/Q-a1-82f5Is

4. https://youtu.be/NHJG_D6cuiM

					Cou	rse Art	iculati	on Ma	trix: (N	Iapping	of COs	with POs	s and PSC)s)			
PO-PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	DEC.5
СО	101	102	105	101	105	100	107	100	10)	1010	1011	1012	1501	1502	1505	1501	PSO5
CO1	1	3	3	2	-	-	-	-	1	2	1	2	3	-	2	2	1
CO2	2	3	2	1	-	-	-	1	-	3	-	3	3	-	1	3	-
CO3	1	3	3	1	-	-	-	-	-	3	1	3	3	-	3	2	1
CO4	1	3	2	2	-	-	-	1	1	2	-	2	3	-	2	3	1
CO5	2	3	3	1	-	-	-	-	-	3	-	3	3	-	3	3	-

Course Code	Course Title				Attributes				SDGs No.
	DECIONAL	Employability	Entrepre	Skill	Gender	Environment &	Human	Professional	
PT309	ODTHODAEDICS	Employability	neurship	Development	Equality	Sustainability	Value	Ethics	
	ORTHOPAEDICS	1	√	4	4		4	4	3,4



Effective from Se	ective from Session: 2017-18													
Course Code	PT310	Title of the Course	CLINICAL NEUROLOGY & NEUROSURGERY	L	Т	Р	С							
Year	III	Semester	VI	3	1	0	4							
Pre-Requisite	Nil	Co-requisite	Nil											
Course	The objective of	The objective of this course is that after 40 hours of lectures and demonstrations, in addition to clinics, the students will be able to												
Objectives	demonstrate an understanding of neurological condition causing disability and their management.													

	Course Outcomes
CO1	An Overview of Neuroanatomy& Physiology: Understanding and importance of neurological anatomy and physiology about structure, course
	and function of neuron, different tracts, cerebrum, and cerebellum, spinal cord, plexuses & blood supplies.
CO2	Congenital & Childhood Disorders: Understanding about etiology, clinical presentation and management of congenital & pediatric disease of
	brain & spinal cord.
CO3	CVA and Inflammatory & Infectious Conditions: Understanding about etiology, clinical presentation and management of stroke & infectious
	disease of CNS & its complication.
CO4	Degenerative & Demylinating Diseases (Central and Peripheral): Understanding about etiology, clinical presentation and management of
	movement disorders & Demylinating disease.
CO5	Traumatic Neurology: Understanding about traumatic injury of brain, spinal cord and nerves with its complication impairment & disability and
	their management.

1 An overview of Neuroanatomy& physiology Review the basic anatomy of the brain and spinal cord, Blood supply of the brain and spinal cord, Pyramidal & extra pyramidal system, Ascending & descending 8 2 Congenital & childhood disorders Cerebral palsy, Hydrocephalus, Spina Bifida, Syringomyelia, Musculardystrophy 8 2 CVA and inflammatory & 6 6	Mapped CO
2 Congenital & childhood disorders Cerebral palsy, Hydrocephalus, Spina Bifida, Syringomyelia, Musculardystrophy 8 2 CVA and inflammatory & construction 6	CO 1
CVA and inflammatory &	CO 2
3 infectious conditions Stroke, Meningitis, Encephalitis, Brain abscess, Poliomyelitis 8	CO 3
4Traumatic NeurologyParkinson disease, Chorea, Multiple sclerosis, Guillain – Barre Syndrome, Transerversemyelitis,8	CO 4
5 Traumatic Neurology Head injury, Spinal cord injury, Peripheral nerve injury, Cervical and lumber 8	CO 5
Reference Books:	
1. Neurology and neurosurgery illustrated - Kenneth W Lindsay, Ian Bone	
2. Clinical Neuroanatomy - Richard S. Snell 2. Drain and Demaintering Clinical Neurology. Sin Departmentation	
5. Drain and Daninister's Chinical Neurology - Sir Roger Dannister	
5. Human Anatomy By B D Chaurasia's (volume III)	
6. Textbook of Clinical Neurology -Christopher G. Goetz	
7. Adams and Victor's Principles Of Neurology - Allan H. Ropper and Martin A. Samuels (R)	
8. Brain's Diseases of the Nervous System - Michael Donaghy and McClatchy, Greg Chikwe, Joanna Borley, Neil (R)	
9. Physical Rehabilitation - Susan O'sullivan(R)	
e-Learning Source:	
1. <u>https://youtu.be/D1zkVBHPh5c</u>	
2. <u>https://youtu.be/nQw19/Hl6ss</u>	

3. <u>https://youtu.be/2IgFri0B850</u>

						Cours	se Arti	culatio	n Matı	rix: (Ma	pping of	f COs wit	h POs and	l 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	1	3	3	1	-	-	-	-	1	1	1	2	3	-	2	2	1
CO2	2	3	2	1	-	-	-	1	-	2	-	3	3	-	1	3	-
CO3	1	2	3	1	-	-	-	-	-	3	1	3	3	-	3	2	1
CO4	1	2	2	1	-	-	-	1	1	2	-	2	3	-	2	3	1
CO5	2	3	3	1	-	-	-	-	-	3	-	3	3	-	3	3	-

Course Code	Course Title			SDGs No.					
	CLINICAL	Emplo	Entrepre	Skill	Gender	Environment &	Human	Professional	
PT310	NEUROLOGY	yability	neurship	Development	Equality	Sustainability	Value	Ethics	
	&NEUROSURGERY	1	4	1	4		1	4	3,4



Effect	Effective from Session: 2017-16 Course Code PT 311 Title of the Course PHVSICAL & FUNCTIONAL DIAGNOSIS L T P C																	
Cours	se Cod	e		PT 31	1	Ti	tle of th	e Cour	se	PH	YSICAL	& FUN	CTIONA	L DIAG	NOSIS	L	Т	P C
Year				III		Se	mester						VI			3	1	0 4
Pre-R	equisit	te	Nil			Co)-requi	site	Ν	Jil								
Cours	se]	Physical	and Fu	nctional	Diagnos	is focus	es on the	e basic a	issessme	ent skills f	for physic	al and Fu	nctional di	agnosis i.e.	. Musculo	skeletal, Ne	eurological
Objec	tives		Cardiova	ascular F	Respirato	ry and S	ports in o	order to a	study the	e various	impairme	ents and th	neir impact	on activity	and partic	cipation of	the individu	ıal
									Cor	irse Ou	tcomes							
CO1	Und	erstan	ding ar	nd impo	ortance	of cardi	iopulmo	nary ar	natomy	and ph	vsiology	about s	tructure d	course an	d function	n of neur	on differe	ent tracts
	cere	brum.	cerebel	llum. sr	oinal con	d. plexi	uses & l	blood si	ipplies.	und ph	JSIOIOSJ	ubout 5	u ucture, v	Jourse un	a raneuor	i or neur	on, anner	int tracts,
CO2	Und	lerstan	ding ab	out etic	ology, cl	inical n	resenta	ion and	manag	ement	of congei	nital & p	ediatric di	sease of	orain & sr	oinal cord		
CO3	Und	lerstan	ding ab	out etic	ology, cl	inical p	resenta	ion and	manag	ement	of MI &	infectiou	s disease	of CVS &	z its comp	lication.		
CO4	Und	lerstan	ding ab	out etic	ology, cl	inical p	resenta	ion and	manag	ement	of moven	nent disc	orders & C	Cardiopul	nonary di	sease.		
CO5	Und	lerstan	ding ab	out trau	imatic i	njury of	brain,	spinal c	ord and	nerves	with its	complica	tion impa	irment &	disability	and their	r managen	nent.
Unit												_					Contact	Monnod
No	Title	of the	e Unit	Content of Unit												Hrs.	CO	
110.	INTR	ODU	CTION	Physical Diagnosis and Functional Diagnosis its importance in clinical practice. Subjective												111.5.	0	
	OFI	PHYS	ICAL	examination & Its Importance in Physicitherapy Objective examination & Its Importance in												ance in		
1	01 1	AND)	Physiotherapy- (a) Inspection: Inspection with techniques and clinical reasoning (b) Palpation:												lpation:	8	CO1
	FUN	ICTIC	NAL	Palpa	ation w	ith tech	niques	and cli	nical re	easonin	g, Auscu	ltation &	& Its Imp	ortance i	n Physiot	herapy,	-	
	DL	AGNC	DSIS	Asse	ssment	of Pain	& Its Ir	nportan	ce in Pl	nysiothe	erapy.					1.5 /		
	Selective Tissue Tension Test(STTT): Clinical aspects of ROM Examination, Joint end feel, capsular																	
	EC	SENT	ΊΔΙ	patte	rn and i	non-cap	sular pa	attern, N	Auscles	girth &	۶ Limb L	ength M	leasureme	nt Techn	iques, Se	ensory&		
		ECTS	FOR	Moto	or Exar	nination	: exam	ination	Techn	iques a	and clini	cal reas	oning, D	ermatome	s & My	otomes,		
2	FORM	MULA	TING	Mus	cle To	one:	Normal	, Нуро	an	d	Hyperto	nic, Refl	ex:Exami	nation	technique	es of	8	CO2
	DL	AGNC	OSIS	supe	rficial a	nd deep	o reflex	es. Clir	ical Im	plicatio	ons of M	anual M	uscle Tes	ting (MN	IT), Body	y Angle		
				meas	suremen	t techni	ques ar	id its cl	inical r	easonin	ig, Tighti	ness, Coi	ntracture	and Defo	rmity, Its	clinical		
	TIN		'IONAL Functional Diagnosis measures: Functional Activity Specific Assessment-FIM. ADLs scales.															
	FUN			Func	annal	Diagno	sis me	asures:	Funct	Ional A	Activity	Specific	Assessi	nent-FIM	, ADLS	scales,		
3			SIS & MENT	Asse	ivestigations: Basic Principles and application of investigative and imaging techniques in 8 CO3													CO3
	MLA,	SORE	TS	Phys	Physiotherapy: X-ray, CT, MRI, USG, PFT, and ECG.													
	PF	IYSIC	CAL	Func	tional	evaluati	on: ICI	DH. IC	CIDH2	and IC	F-brief	the cond	cepts of	health st	atus impa	irment:		
	DIS	SABIL	JTY	funct	tional li	mitation	ns; disa	bility a	nd hand	licap; d	efinition	of funct	ional acti	vity and	the purpo	ses and		
4	EVA	ALUA'	TION	com	onents	of the f	unction	al asses	sment,	Outcon	ne measu	res for n	nusculosk	eletal sys	tem exam	ination,	0	CO4
4		AND)	Oute	ome m	easures	for neg	iromus	cular sy	stem e	xaminati	on with	techniqu	es and cl	inical rea	asoning,	8	004
	DIS	SABIL	JTY	Outc	ome me	easures	for care	diopuln	nonary a	system	examina	tion with	n techniqu	ies and c	linical rea	usoning,		
	DL	AGNC	DSIS	Outc	ome me	easures	for Spor	ts relate	ed exan	nination	with tec	hniques	and clinic	al reason	ing.			
	ASS	SESSI	MEN	Anth	ropome	try, A	Agility	Assessi	nent,	Evalua	tion of	Aerobic	fitness,	Evaluat	ion of m	nuscular		
5	E.	TO	200	endu	rance a	nd stre	ngth, A	Assessn	nent of	Physic	al fitnes	s: Flexib	ulity, Stre	ength, En	durance,	Agılıty,	8	CO5
Refer	FI anco P		600	Spee	u, react		, powe	, coord	mation,	oaianc	e, Exerci	se roiera	ance resti	ng.				
1. T	extbook	of Phy	vsical dia	agnosis:	History	and exan	nination	by Mark	H. Swa	rtz								
2. Pl	hysical l	Diagno	osis Secr	ets: Salv	a Tore N	langione	MD											
3. O	rthopae	dic Ph	ysical As	ssessmer	nt, Mage	e DJ. 5th	edition.	Saunder	s									
4. M	luscles:	Testin	g and Fu	nction,	with Pos	ture and	Pain: 5th	edition.	Kendal	I FP; Mc	Creary et	al. Lippin	ncott Willia	ms and W	ilkins			
5. Pi	hysical	Exerci Medici	ne and L	py: srd (Rehabilit	ation Sr		, COOK P ullivan	r.wney	-DIACK W	ell								
7. P	hysiothe	erapy for	or Respi	ratory ai	nd Cardia	ac Proble	ems. Adu	lts and F	aediatri	cs. 3rd e	d. Pryor J.	A, Webbe	r BA. Lon	don: Churc	hill Living	stone,2002	2	
8. Pl	hysical l	Rehabi	litation.	Assessn	nent and	Treatme	nt: 5th E	dition. S	ullivan S	SO; Schi	nitz TJ. F	.A. Davis	Company		0			
9. D	aniels a	nd Wo	rthingha	m's Mus	scle Testi	ing: Tecl	nniques o	of Manua	ıl Exami	nation. 8	8th edition	ı. Hislop H	H; Montgoi	nery J. Sau	inders Publ	lication		
10. T	herapeu	tic Exe	ercise: 6t	h edition	1. Caroly	n K; Ko	lby. Jayp	ee Broth	ers Med	ical Pub	lishers							
e-Le		g Sour	ce:	1011														
$\frac{1. \text{ mu}}{2. \text{ htt}}$	ps://you	itu.be/r	x0vzYor	DIEB0														
3. <u>htt</u>	ps://you	ıtu.be/	AwdJqxi	<u>xkRs</u> ht	tps://you	tu.be/m5	SL7LX	/K5k										
						6	01170	h mtiol	tion M	otri	Mani	a of CO	a with De	and D				
PO-P	SO		DOG	DOG	DO 1	L DOT	DOC	Arucula DOZ					s with PC	beed		DECC	DEC	DOOT
CC)	POI	PO2	PO3	P04	P05	PO6	PO7	PO8	P09	P010	POIL	P012	PSOI	PSO2	PS03	PSO4	PS05
CO	1	2	1	3	2	1	1	-	2	2	2	-	2	2	3	3	2	2
CO	2	1	2	3	3	3	-	-	1	1	3	-	3	3	3	3	3	1
CO	3	1	1	3	3	3	-	-	2	2	2	1	3	2	3	3	3	2
	4	2	1	3	2		2	2	2	1	3	-	3	3	3	2	2	1
	3	1	7	3	5	5	-	-	1	2	5	1	2	3	5	5	3	1

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 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation Attributes & SDGs
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Course Code	Course Title		SDGs No.						
	DIVERAL & EUNCTIONAL	Emplo	Entrepre	Skill	Gender	Environment &	Human	Professional	
PT311	DIAGNOSIS	yability	neurship	Development	Equality	Sustainability	Value	Ethics	
		1	1	1	4		1	1	3,4,9



		0											
Effective from S	Effective from Session: 2017-16												
Course Code	PT 312	Title of the Course	PHYSIOTHERAPY IN MEDICAL, SURGICAL, OBSTETRICS & GYNAECOLOGICAL CONDITION	L	Т	Р	С						
Year	III	Semester	emester VI 3 1 0										
Pre-Requisite	Nil	Co-requisite	Nil										
Course	The object	ive of this course is that a	fter 40 hours of lectures and demonstrations, in addition to clinics, the stu	dents v	will be	able to							
Objectives	demonstra	demonstrate an understanding of general medical, general surgical, obstetrics & gynecological conditions.											

	Course Outcomes
CO1	Physiotherapy in medical condition: demonstrate a general understanding of the condition that therapists would encounter in their practice like
	diabetes, obesity, edema, inflammation and skin disorders
CO2	Physiotherapy in surgical condition: role physiotherapy in general surgeries of abdomen, transplants and burn.
CO3	Physiotherapy in oncology: elaborate broad outline of goals of pharmacological and surgical therapy imparted in oncological conditions in
	which physical therapy will be an important component of overall management
CO4	Clinical obstetrics and gynecology conditions: understand the anatomy, physiology and various conditions in obstetrics and gynecological
	conditions relevant to physiotherapy.
CO5	Physiotherapy in obst and gynecological condition: assess and provide physiotherapeutic techniques in obstetrics and gynecological conditions
	for relief of pain, relaxation, conditioning and posture.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
		Review of the pathological changes and principles of management by Physiotherapy in the		
	PHYSIOTHERAPY	following conditions(a) Inflammation-acute, chronic and suppurative, (b) Edema – Traumatic,		
1	IN MEDICAL	obstructive, paralytic, edema due to poor muscle and laxity.(c) Diabetes Mellitus & Its	8	CO1
	CONDITION	Physiotherapy Managements.(d) Obesity & Its Physiotherapy Managements,(e) Common		
		condition of Skin – Acne, Psoriasis, Alopaecia, Leucoderma, Leprosy.		
	PHYSIOTHERAPY	Review of the pathological changes and principles of pre and postoperative management by		
2	IN	Physiotherapy of the following conditions(a) Common abdominal and transplant surgeries,	8	CO2
2	SURGICAL	including, liver, kidney, bladder, bone marrow, (b) Common reconstructive surgical procedures	0	002
	CONDITION	for the management of wounds, ulcers, Burns and consequent contractures and deformities		
	PHYSIOTHERAPY	Overview of oncology, staging and grading, Common oncological condition of		
3	IN	musculoskeletal & their Principles of Management, Common oncological condition of	8	CO3
	ONCOLOGY	different system-breast, Liver and Brain, Principles of Management.		
	CLINICAL	Anatomy and Physiology of Female reproductive system, Principles of clinical examination,		
4	OBSTETRICS AND	investigation diagnosis and prognosis in female reproductive system disorders, Events of 1st	8	CO4
-	GYNECOLOGYCO	IInd& III rd Stages of labour, Pre, Peri & Post Menopause - Physiology, Complications	0	04
	NDITIONS	&management, Surgical considerations in Obstetrics and Gynecology		
	PHYSIOTHERAPY	Overview of pregnancy, Pelvic inflammatory Diseases, Prolapse Uterus, Incontinence,		
5	IN OBS AND	Diastasis recti, Low back and pelvic pain, varicose veins, pelvic floor dysfunction,	8	CO5
5	GYNECOLOGICAL	compression syndrome, Exercise during pregnancy (Ante natal and post natal Physiotherapy	0	005
	CONDITION	management) and postpartum, Effects of aerobic exercise during pregnancy, MaternityBlues.		
Referen	ce Books:			
1. T	herapeutic Exercise by Ca	arolyn Kisner		
2. P	hysiotherapy in Gynaecol	logical& Obstetrical Conditions-Polden		
3. D	utta, Text book of Gynec	ology, New Central Book Agency		
4. E	ssential of Obstetrics and	Gynecology, Hacker Moore Gambone.		
e-Lean	rming Source:			
<u>1. ht</u>	ttps://youtu.be/adkrWQ8sWI			
2. <u>h</u>	ttps://youtu.be/qOT_HpqYN	<u>16s</u>		

						Cou	rse Art	iculatio	n Matri	ix: (Map	ping of C	Os with P	Os and PS	Os)			
PO-PSO	PO1	PO2	PO3		PO5	PO6	PO7	POS	POQ	PO10	PO11	PO12	DSO1	DSO2	DSO3	DSO/	PSO5
СО	101	102	105	104	105	100	107	108	109	1010	1011	1012	1501	1502	1505	1504	1505
CO1	1	3	3	2	1	1	2	1	1	2	-	3	2	3	2	1	1
CO2	2	3	2	2	2	1	2	2	-	2	-	2	3	3	2	2	2
CO3	2	3	2	1	2	3	3	1	2	3	2	3	2	3	3	2	1
CO4	1	3	1	2	2	3	2	1	2	3	2	3	3	2	2	1	1
CO5	2	2	3	3	3	2	2	1	2	2	-	2	3	3	2	1	1

Course Code	Course Title		Attributes							
	PHYSIOTHERAPY IN	Emplo	Entrepre	Skill	Gender	Environment &	Human	Professional		
	MEDICAL, SURGICAL,	yability	neurship	Development	Equality	Sustainability	Value	Ethics		
PT312	OBSTETRICS &								3,4	
	GYNAECOLOGICAL	1	√	1	√		√	√		
	CONDITION									



Effective from Sessio	Effective from Session: 2017-18								
Course Code	PT313	Title of the Course	PHYSICAL & FUNCTIONAL DIAGNOSIS LAB	L	Т	Р	С		
Year	III	Semester	VI	0	0	2	1		
Pre-Requisite	Nil	Co-requisite	Nil						
Course Objectives	Students will be able to do Interpretation of common investigations used for functional diagnosis								

	Course Outcomes								
CO1	Understanding and importance of cardiopulmonary anatomy and physiology about structure, course and function of neuron, different tracts,								
	cerebrum, cerebellum, spinal cord, plexuses & blood supplies.								
CO2	Understanding about etiology, clinical presentation and management of congenital & pediatric disease of brain & spinal cord.								
CO3	Understanding about etiology, clinical presentation and management of MI & infectious disease of CVS & its complication.								
CO4	Understanding about etiology, clinical presentation and management of movement disorders & Cardiopulmonary disease.								
CO5	Understanding about traumatic injury of brain, spinal cord and nerves with its complication impairment & disability and their management.								

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO				
1	INTRODUCTION OF PHYSICAL ANDFUNCTIONAL DIAGNOSIS	Physical Diagnosis and Functional Diagnosis, its importance in clinical practice, Subjective examination & Its Importance in Physiotherapy, Objective examination & Its Importance in Physiotherapy- (a) Inspection: Inspection with techniques and clinical reasoning (b) Palpation: Palpation with techniques and clinical reasoning, Auscultation & Its Importance in Physiotherapy, Assessment of Pain & Its Importance in Physiotherapy	4	CO 1				
2	ESSENTIAL ASPECTS FORFORMULATING DIAGNOSIS	Demonstration of various selective Tissue Tension Test(STTT).	4	CO 2				
3 FUNCTIONAL Functional Diagnosis measures: Functional Activity Specific Assessment-FIM, ADLs scales, 3 DIAGNOSIS & Assessment of health and wellness: SF-36, Health Questionnaires for quality of life, Special 3 MEASUREMENT Investigations: Basic Principles and application of investigative and imaging techniques in Physiotherapy: X-ray, CT, MRI, USG, PFT, and ECG Functional evaluation: ICIDH, ICIDH 2 and ICE-brief the concepts of health status impairment:								
PHYSICAL DISABILITYFunctional evaluation: ICIDH, ICIDH2 and ICF-brief the concepts of health status impairment; functional limitations; disability and handicap; definition of functional activity and the purposes and components of the functional assessment, Outcome measures for musculoskeletal system examination, Outcome measures for neuromuscular system examination with techniques and clinical reasoning, Outcome measures for Sports related examination with techniques and clinical reasoningCO 4								
5	ASSESSMENTOFFITN ESS	Anthropometry, Agility Assessment, Evaluation of Aerobic fitness, Evaluation of muscular endurance and strength, Assessment of Physical fitness: Flexibility, Strength, Endurance, Agility, Speed, reaction time, power, coordination, balance, Exercise Tolerance Testing	4	CO 5				
Refere	ence Books:							
1. Tex	tbook of Physical diagnosis:	History and examination by Mark H. Swartz						
2. Phy	sical Diagnosis Secrets: Salv	ra Tore Mangione MD						
3. Ortl	hopaedic Physical Assessmen	nt, Magee DJ. 5th edition Saunders						
4. Mus	scles: Testing and Function,	with Posture and Pain: 5th edition. Kendall FP; McCreary et al. Lippincott Williams and Wilkins						
5. Prac	ctical Exercise Therapy: 3rd	edition. Hollis M; Cook PF. Wiley-Blackwell						
0. Phy 7 Dhy	sical Rehabilitation Assess	atton: Susan O Sumvan						
 Physical Reliabilitation. Assessment and Treatment: Sur Edition. Surivan SO; Schnitz TJ. F.A. Davis Company 8 Daniels and Worthingham's Muscle Testing: Techniques of Manual Examination. 8th edition. Hislop H: Montgomery I. Saunders Publication 								
e-Learning Source:								
1. ht	ttps://youtu.be/EHtb2aLH8IY							
2.	https://youtu.be/x0vzYoplEB0							
3. <u>https://youtu.be/AwdJqxixkRs</u>								
4.	https://youtu.be/m5SL7LXvK5	<u>k</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
СО	101	102	105	104	105	100	107	100	10)	1010	1011	1012	1501	1502	1505	1504	1505
CO1	1	1	3	1	1	1	-	1	2	2	-	2	2	3	2	2	2
CO2	1	2	3	3	3	-	-	1	1	3	-	3	3	3	3	3	1
CO3	1	2	3	2	3	-	-	2	2	3	1	3	2	3	2	3	2
CO4	2	1	3	2	1	2	2	2	1	3	-	3	3	3	2	2	1
CO5	1	2	3	3	3	-	-	1	2	3	1	2	3	3	3	3	1

Attributes & SD 05											
Course Code	Course Title		Attributes								
PT313	PHYSICAL & FUNCTIONAL	Emplo yability	Entrepre neurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics			
1 1010	DIAGNOSIS LAB	1	√ Î	√	Ŵ		4	4	3,4,9		



Effectiv	e from Sessio	n: 2017-18							
Course	Code	РТ314	Title of the Course	PHYSIOTHERAPY IN MEDICAL, SURGICAL, OBSTETRICS & GYNAECOLOGICAL CONDITION LAB	L	Т	Р	C	
Year		III	Semester	VI	0	0	2	1	
Pre-Rec	quisite	Nil	Co-requisite	Nil					
Course	Objectives	Students wi	ll be able learn and und	erstand the assessment and management procedures in the obstetrics &	& Gyn	ecology			
				Course Outcomes					
CO1	Physiothera	py in medical	condition: demonstrate	a general understanding of the condition that therapists would encour	nter in	their p	ractice	like	
	diabetes, ob	esity, edema,	inflammation and skin of	disorders		_			
CO2	Physiothera	py in surgical	condition: role physioth	nerapy in general surgeries of abdomen, transplants and burn.					
CO3	Physiothera	py in oncolog	y: elaborate broad outl	ine of goals of pharmacological and surgical therapy imparted in o	ncolog	gical co	ndition	is in	
	which physi	cal therapy w	ill be an important com	ponent of overall management					
CO4	Clinical obs	tetrics and g	ynecology conditions: u	inderstand the anatomy, physiology and various conditions in obste	etrics a	and gyı	necolog	gical	
	conditions relevant to physiotherapy.								
CO5	Physiothera	py in obstetri	cs and gynecological of	condition: assess and provide physiotherapeutic techniques in obste	etrics a	and gyr	necolog	gical	
	conditions for relief of pain, relaxation, conditioning and posture								

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO				
1	PHYSIOTHERAPY IN MEDICAL CONDITION	Pre Post operative Exercises	4	CO1				
2	PHYSIOTHERAPY IN SURGICAL CONDITION	Pre Post operative Exercises	4	CO2				
3	PHYSIOTHERAPY IN ONCOLOGY	Post Oncosurgical Lymph edema management, management of cancer related fatigue, Rehabilitation of post surgical complication.	4	CO3				
4	CLINICAL OBSTETRICS AND GYNECOLOGY CONDITIONS	 Physiotherapy Assessment of different gynecological condition. Pre & Post operative assessment of gynecological surgery Physiotherapy assessment of Bladder and Bowel Dysfunction. Pelvic floor muscle assessment. Assessment of pain. Diagnostic tools used in gynecological assessment. Examination of breast. h. Relaxation techniques. 	4	CO4				
5	PHYSIOTHERAPY IN OBS AND GYNECOLOGICALC ONDITION	 Physiotherapy assessment in obstetrics: a. Antenatal assessment. b. Assessment during labour. c. Postnatal assessment. d. Common musculoskeletal problem. i. Diastasis recti. ii. Pelvic floor muscle function. iii. Bowel & bladder dysfunction. 	4	CO5				
Reference	e Books:							
1. T	herapeutic Exercise by Caroly	n Kisner						
2. Pl	hysiotherapy in Gynaecologic	al& Obstetrical Conditions-Polden						
3. D	3. Dutta, Text book of Gynecology, New Central Book Agency.							
4. E	4. Essential of Obstetrics and Gynecology, Hacker Moore Gambone							

e-Learning Source:

3. https://youtu.be/adkrWQ8sWFU

4. <u>https://youtu.be/qOT_HpqYN6s</u>

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

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

Attributes & SDGs

Course Code	Course Title		Attributes							
PT 314	Physiotherapy In Medical,	Emplo	Entrepre	Skill	Gender	Environment &	Human	Professional		
	Surgical, Obstetrics &	yability	neurship	Development	Equality	Sustainability	Value	Ethics		
	Gynaecological Condition Lab	٧	4	1	4		4	4	3,4	



Effective from Sessio	n: 2017-18						
Course Code	PT315	Title of the Course	SEMINAR ON CLINICAL ISSUES	L	Т	Р	С
Year	III	Semester	VI	0	2	0	2
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	This course will serv issues in the effica rehabilitation as wel	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 pul mo	bate co onary,	ntentio & Spo	us 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 point **CO3** presentations on an assigned topic. The students will be able to communicate his/her ideas with his peers as audience, which will enhance both oral and written communication **CO4** skills. The students will be able to create interest to pursue lifelong learning. CO5

SEMINAR PRESENTATION ASSESSMENTN FORM

Name of Student:		Session:	
Enrolment Number:		Date:	
Name of Subject:	Seminar on Clinical Issues	Subject code:	PT315
Topics:			

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

PO-PSO PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 PO9 PO10 PO11 PO12 PSO1 PSO2 PSO3 PSO4	PSO5
CO 101 102 103 104 103 106 107 108 107 1010 1011 1012 1301 1302 1303 1304	1505
CO1 2 3 3 2 3 2 3 1 2 1 - - 3 2 3 3	2
CO2 3 3 3 2 2 3 2 1 3 - - 2 2 3 2	3
CO3 3 3 3 2 2 3 2 1 3 - - 3 2 2 2	3
CO4 3 3 3 2 2 3 2 1 3 - - 2 3 2 2	3
CO5 3 3 3 2 2 3 2 1 3 - - 3 2 3 3	2

Course Code	Course Title		Attributes							
PT315	SEMINAD ON CLINICAL	Emplo	Entrepre	Skill	Gender	Environment &	Human	Professional		
	ISSUES	yability	neurship	Development	Equality	Sustainability	Value	Ethics		
		1	√	4			*	1	3,4,9, 17	



Effecti	ve from Ses	sion: 2017-18									
Course Code PT316 Title of the Course CLINICAL POSTING L T						Т	Р	С			
Year		III	VI	0	0	10	5				
Pre-Re	equisite	Nil	Co-requisite	Nil							
Course	•	Students will engage i	n clinical practice in F	Physiotherapy departments in the musculoskeletal, neurol	ogy, c	cardiop	ulmona	ary,			
Object	ives	sports settings to enhar	nce their clinical skills an	d apply contemporary knowledge gained during teaching sess	ions.						
			C	Course Outcomes							
CO1	To learn th	e punctuality and interact	ion with colleague and	supporting staff during clinical training.							
CO2	To develop	assessment skills.									
CO3	To develop	appropriate treatment pr	otocol.								
CO4	To understa	and the importance of do	cumentation of the case	record and case presentation.							
CO5	To develop	discipline and improve of	overall quality of clinica	l work.							

CLINICAL POTING ASSESSMENTN FORM

Name of St	tudent:			Session:	
Enrolment Number:			Date:		
Name of Subject:		Clinical Posting		Subject code:	PT316
Topics:					
S. No. Point to be (Considered	d		Marks Obtained
1.	Punctuality	1	4		
2.	Interaction	with colleagues and supporting staff		2	
3.	Maintenand	ce of case records		3	
4.	Presentatio	n of case during rounds		2	
5.	Investigatio	on work up		2	
6.	Bedside Ma	anners		2	
7.	Rapport wi	th patients		2	
8.	Treatment	approach & technique		3	
9.	Discipline		2		
10.	Overall qua	ality of clinical work		3	
		TOTAL SCORE		25	

(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.		IIIrd Year/ Vth Semester	4 Months
6.	דער	IIIrd Year/ VI th Semester	4 Months
7.	DP1	IVth Year/ VII th Semester	4 Months
8.		IVth Year/ VIII th 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.		IIIrd Year/ Vth Semester		10 Moulto		
6.	DDT	IIIrd Year/ VI th Semester	10 Marks	(1 Long Case and 2 Short Case)	25 Moulto	5 Maulta
7.	BPI	IVth Year/ VII th Semester			25 Marks	5 Marks
8.		IVth Year/ VIII th Semester				

EVALUATION OF CLINICAL POSTING

MPT- Students has to prepare 1 long case and 2 short cases during their clinical posting. The evaluation for internal clinical examination of 50 marks will be distributed: Cases during clinical posting=**25 marks**.

Viva voce =**20 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	PSO/	PSO5
CO	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

Course Code	Course Title		Attributes									
PT316	CLINICAL POSTING	Emplo yability	Entrepre neurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics				
		1	√	√	1		1	√	3,4,11			