

Dr. D.Y. PATIL COLLEGE OF PHYSIOTHERAPY

Dr. D.Y.PATIL VIDYAPEETH, PUNE

(Deemed to be University)

Re-accredited by NAAC with a CGPA of 3.62 on a four point scale at 'A' Grade.

(An ISO 9001:2008 Certified University)

ACA/R/05/ Date:25/06/18

LESSON PLAN

Subject: Physiotherapeutic Skills

Class : BPT III year VI Semester (2018)

Class Incharge : Dr. Divya Gohil (PT)

Subject Teacher/s : Dr. Divya Gohil (PT), Dr. Trupti S. (PT), Dr. Vidhi S. (PT)

Total Hours prescribed : 176 (Theory =-80, Practical-96)

Sr.	Topic		o of ours	Mode of teaching	Name of the Staff	Remarks
1	General principles of Human	T	P	Lecture,		
	development & maturation			PowerPoint		
	Aspects:			presentation,		
	• Physical	1		Question and		
	• Motor	1		Answer		
	• Sensory	1		Sessions,		
	Cognitive	1		Demonstrations		
	• Emotional	1				
	• Cultural	1		Lecture, Group		
	Social	1		discussion,		
	Factors influencing human			Demonstrations		
	development & growth	1				
	Biological					
	• Environmental	1 1				
	• Inherited	1				
	Principle of Maturation	1				
	• General	1				
	Anatomical direction:	2				
	Cephalo- caudal					
	Proximo- distal					
	Centero- lateral					
	Mass to specific pattern	4				
	Gross to fine motor					
	development					
	Reflex maturation test	1				
	Oromotor development	1				
	Sensory development	1				
	Neurodevelopment of hand	1				
	function					

2	Electro diagnosis				
	Physiology of resting	1			
	membrane potential 8s	_			
	action potential, Propagation				
	of action, potential, volume			Lecture,	
	conduction			PowerPoint	
	Physiology of muscle	1		presentation	
	contraction	-		prosontation	
	Motor unit & recruitment	1			
	pattern of motor unit- size	-			
	principle				
	Electroneuromyography				
	Electromyography	1			
	• Principles	1	4		
		-			
	Instrumentation	2			
	Normal 85 abnormal EMG				
	pattern	2			
	Nerve conduction studies-				
	Principles 8& technique	2			
3	Basics in Manual therapy &			Lecture,	
	applications with clinical			PowerPoint	
	reasoning			presentation,	
	Maitland - Principles	2		Practical	
	Indications &	1	9	sessions,	
	Contraindication			Assignments,	
	Technique on	2		Problem	
	extremities on			Solving Skills	
	models				
	Kaltenborn	1	2		
	Mulligan- Principles	1			
	Indications 85	1	7		
	Contraindication				
	Technique on	2			
	extremities on				
	models				
	Mckenzie- Lumbar	2			
	Cervical	2	5		
	Butler- Principles	1			
	Indications 8s	1	4		
	Contraindication				
	Technique	2			
	Muscle energy technique-				
	Principles	1	4		
	Indications 85				
	Contraindication				
	Technique	1			
	Myofscial stretching-Principles	1	4		
	Indications 85 Contraindication Technique • Cyriax- pain- original	2			
	and Referred Principles Indications	1 1			
	8& Contraindication Technique on	2			
	extremities on models				

4	Basics in Neuro Therapeutic			Lecture,	
	skills & Applications with			PowerPoint	
	clinical reasoning:			presentation,	
	Neuro developmental			Practical	
	technique:		5	sessions,	
	Priniciple 8s indications	1		Assignments,	
	Application of technique on	2		Problem	
	models			Solving Skills	
	• Rood's approach:				
	Priniciple & indications	1	5		
	Application of technique on	2			
	models				
	• PNF:				
	Priniciple 85 indications	1	5		
	Application of technique on	2			
	models				
	• Brunnstorm approach:				
	Priniciple & indications	1	5		
	Application of technique on	2			
	models				
	• Vojta				
	• Si	2			
	• MRP	2			
	• CIMT	2			
	• TOA	1			
5	F wave 8 & H reflex		3	Lecture,	
		3		PowerPoint	
				presentation	
6	Demonstration of EMG & NCV			Lecture,	
	technique	1		PowerPoint	
		_		presentation,	
				Demonstration	
7	Exercise tolerance testing-			Group	
	6 minutes walk test on		5	discussions,	
	models		_	Practical	
	• Bruce protocol on models		4	sessions,	
				Assignments,	
				Problem	
				Solving Skills	