

Name of Faculty		Physiotherapy					L:2
Name of Course		BPT					Credits: 2
Subject/Paper		ERGONOMICS	Semester	IV	Paper Code	PHY 04	Marks: 50
Course Objectives		Following the completion of this course, the student will be able to discuss the following: 1. Benefits of Ergonomics at work place 2. Ergonomics design for different professionals Imparting Transferable and life Skills about Ergonomics, its utility at place of work and advantages in combating various disorders in everyday life and to guide others as a physiotherapy consultant.					
Course Cordinator							
Name:		Dr. Sonia			Class Time:		Days
Contact:		09416414362			2:00-4:00 pm.		Wednesday
Unit	Sub Units	Time (hrs)	Topic	Teaching Methodology		Assessment Method	
Unit-I	1.1	1	Definition & Concept of ergonomics	Student Interactive Session		Single Response Answer Multiple Response Answer Assertion –Reasoning On Spot Group Discussion	
	1.2	2	Factors affecting Ergonomics (floor plan, color, acoustics, ventilation, furniture and equipment)	Student Seminar		Long Answer Short Answer Problem Based Question Interpretation Question	
Unit-II	2.1	3	Various benefits of ergonomics at work place,	Student Session	Interactive	Single Response Answer Multiple Response Answer Assertion –Reasoning	

	2.2	3	Ergonomics and design for aging,	Students Seminar	On Spot Group Discussion Long Answer Short Answer
	2.3	3	Ergonomics for Disabled, diseased and injured		Problem Based Question Interpretation Question
	2.4	3	JOB DESIGN -features of good job design		
Unit-III	3.1	2	Assessment of task, equipment evaluation, Observation of work site,	Student Interactive Session	Single Response Answer Multiple Response Answer Assertion –Reasoning On Spot Group Discussion
	3.2	2		Student Seminar	Long Answer Short Answer Problem Based Question Interpretation Question
	3.3	2	Various ergonomic risk factors		
	3.4	2	WRMSD’S causes, prevention		
Unit-IV	4.1	4	Various Work related musculo skeletal disorders,	Student Interactive Session	Single Response Answer Multiple Response Answer Assertion –Reasoning On Spot Group Discussion
	4.2	5	Causes and ergonomics specific to different professions- Physiotherapist, dentist, teacher, computer operator, house wife, farmers, driver	Student Seminar	Long Answer Short Answer Problem Based Question Interpretation Question

Assessment: 50 Marks (10 marks Internal – 40 End Term)

Recommended Books:

1. Somadeepti And Susane : **Kodak's Ergonomic Design for People at Work**, September 2003, 2nd Edition
2. Sharma Sonia Sharma : **Work Study and Ergonomics**, Publisher: Kataria and SK sons
3. Deborah S : **Ergonomics made easy** 2ND EDITION
4. Gavriel Salvenda: **Handbook Of Human Factors And Ergonomics** / 4th edition /