School of Physiotherapy and Paramedical Sciences

LPU Nest Syllabus for Ph.D in Physiotherapy

1. Basic Medical Science
   - Organization and regulation of motor system
   - Control system of body (Motor, Sensory and Autonomic)

2. Exercise Physiology
   - Energetics of Exercise
   - Physiological Response to Exercise
   - Exercise in general and diseased population

3. Therapeutics
   - Principles, methods and advance in exercise therapy
   - Methods and role of Biomechanics and kinesiology in Physiotherapy
   - Principles of Manual Therapy and its application
   - Clinical Decision Making

4. Evaluation and Management
   - Principles and methods of examination of Musculoskeletal, sports, Nervous,Cardiovascular and Respiratory) systems

5. Evidence Based Practice
   - Steps of EBP care
   - Critical appraisal process
   - Evidence based model

6. Fundamentals of Research, and Software
   - Application of interface of the MS-Word, Excel, PowerPoint, and presentation skills.
   - Fundamentals of Research methodology.
   - Descriptive and inferential data analysis
   - Statistical Analysis Software (SPSS software), Plagiarism software, and Reference Management System.