

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.