

SCHOOL OF PHARMACEUTICAL SCIENCES

Faculty Initiatives on Teaching and Learning

Incorporation of Simulations in Course Instruction and Assessment

At school of pharmaceutical sciences, LPU, the faculty incorporates simulation software such as Ex Pharm, Chemdraw and DOE software to enhance the learning of students in the courses such as 'Pharmacology', 'Pharmaceutics' and 'Pharmaceutical Chemistry'. The students engage in the simulated learning to understand tools used in the process of drug development and develop critical thinking. These simulations, as highlighted on the school's website, provide students with practical experience in strategic planning and decision-making.

Hybrid Education with Digital Certification Integration

Hybrid education combines traditional classroom learning with online components. At our institution, we integrate digital certification programs into our pharmacy curriculum, particularly focusing on courses related to World Intellectual Property Organization (WIPO) and Intellectual Property Rights (IPR). This approach allows students to engage in both theoretical and practical learning, blending interactive online modules with traditional lectures. By incorporating WIPO and IPR courses, we ensure that students gain not only pharmaceutical knowledge but also a solid understanding of legal and regulatory aspects in the industry. This prepares them to navigate the complexities of the pharmaceutical field effectively.

Industry Oriented Learning

Industry-oriented learning in the school of pharmacy involves practical training focused on essential tasks like filling of Batch Manufacturing Records (BMR), Understanding of Batch Packaging Records (BPR), SOP and other pharmaceutical documentation formats. This approach familiarizes students with real-world practices, ensuring they understand regulatory compliance and quality standards crucial in pharmaceutical manufacturing. Through hands-on experiences and exposure to industry-specific formats, students develop the skills needed for successful careers in the pharmaceutical industry.

Problem-Based Learning Approach

At school of pharmaceutical sciences, the faculty incorporates the concept of Problem-Based Learning (PBL) in teaching by using real-world scenarios such as 'Risk-Benefit Assessment of pharmaceutical products', Classification of ADRs and differentiation between ADE and ADR in the course 'Pharmacovigilance'. Integrating case studies helps the students to understand the risks v/s benefits of pharmaceutical interventions practically. This approach underscores the significance of pharmacovigilance in ensuring

medication safety and enhancing patient outcomes and preparing students for the challenges of the healthcare field.

Scientific Writing

Scientific writing in pharmacy has been introduced in the form of a practice-based course for the improvement of understanding for communicating research findings and pharmaceutical innovations using clear and concise language. It is essential for sharing knowledge, collaborating with other researchers, and advancing the skill of our students as pharmacists and pharmaceutical scientists use scientific writing to publish articles, present at conferences, and contribute to evidence-based practices, ultimately improving patient care and outcomes.

Experiential Learning

Experiential learning in pharmacy involves hands-on experiences like industrial visits and training sessions. These activities allow students to see how pharmaceutical companies operate, learn about industry standards, and apply classroom knowledge in real-world settings. Through these experiences, students gain practical skills, deepen their understanding of pharmacy practices, and develop critical thinking abilities essential for their future careers.

Professional Enhancement Program (PEP)

This specially designed course on Career in Pharmacy offers guidance to students to explore diverse career opportunities within the pharmaceutical industry. Through personalized counseling sessions, students discover their strengths, interests, and emerging trends in the field. They receive practical advice on professional development, resume building, interview skills, and networking to pursue successful careers in pharmacy.

Open Educational Resources

At the school of pharmaceutical sciences, we equip our students with the ability to explore various online courses and for diversified learning in the field of pharmacy. The MOOCs in pharmacy include textbooks, videos, and interactive modules covering various pharmacy topics. OER help the enhances the learning of students through a broad choice of the learning material.
