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EDITOR'S NOTE

DR. SADIA KASHIF *FACULTY OF PHARMACY & PHARMACEUTICAL SCIENCES, ZIAUDDIN UNIVERSITY*

The landscape of pharmacy is rapidly evolving, presenting both challenges and opportunities that redefine our role in healthcare. As pharmacists, we find ourselves at the intersection of patient care and technological innovation, balancing the need for accessible, affordable medications with the expanding scope of our practice. From the increasing use of digital tools like telepharmacy to our

growing authority in medication management and immunisation, our responsibilities are greater than ever. Yet, amidst these changes, our commitment to patient care remains unwavering. It is this dedication, coupled with our adaptability, that will allow us to continue making a profound impact on the health and well-being of our communities.

INNOVATIVE TEACHING METHODOLOGIES:

DR. RASHEEDA FATIMA

Faculty of Pharmacy and Pharmaceutical Sciences

As education continues to evolve, staying informed about new approaches can help you enhance your teaching strategies and better engage your students.

In 2024, the education system is seeing significant changes driven by technological advancements, evolving pedagogical theories, and new societal needs. Here's a look at some of the cutting-edge teaching methodologies gaining traction this year:

HYBRID LEARNING ENVIRONMENTS

Hybrid learning combines in-person and online education, offering flexibility and accessibility. It provides flexibility for diverse learning needs and schedules. Enhances accessibility to education for students in remote or underserved areas. Supports varied instructional methods, including lectures, discussions, and interactive activities.

PROJECT-BASED LEARNING (PBL) WITH REAL-WORLD CONNECTIONS

PBL focuses on students working on projects that solve

real-world problems or create tangible outcomes. Encourages deeper learning through hands-on experience and problem-solving. Develops essential skills such as teamwork, communication, and project management.

COMPETENCY-BASED EDUCATION (CBE)

CBE focuses on students mastering specific skills or competencies at their own pace rather than progressing through traditional grade levels. It emphasises mastery of content and personalised learning paths, providing personalised learning experiences tailored to individual strengths and weaknesses. It ensures students acquire necessary skills and knowledge before moving on to more advanced topics.

SOCIAL-EMOTIONAL LEARNING (SEL) INTEGRATION

Integrating SEL into the curriculum focuses on developing students' emotional intelligence, resilience, and interpersonal skills. This methodology emphasises the importance of emotional and social development alongside academic achievement. Supports students' mental health and well-being. Enhances classroom behaviour and relationships. Prepares students for success in both academic and personal spheres.



ARTICLES

Experiential Learning through Immersive Technologies

Immersive technologies like Virtual Reality (VR) and Augmented Reality (AR) are used to create interactive learning experiences. These technologies allow students to explore and interact with digital simulations of real-world scenarios. Provides hands-on learning experiences that are difficult to replicate in a traditional classroom. Enhances engagement through interactive and immersive content. It allows for exploration of complex concepts and environments in a controlled setting.

FLIPPED CLASSROOM

The modern flipped classroom model involves students learning new content at home through videos or readings and using class time for active problem-solving and application. Maximises in-class time for collaborative and interactive learning. Encourages students to engage with content at their own pace outside of class. Provides more opportunities for hands-on

activities and individualised support during class.

COLLABORATIVE AND COOPERATIVE LEARNING

This methodology emphasises learning through collaboration and teamwork. Students work together to achieve common goals, share knowledge, and solve problems. It develops communication, teamwork, and problem-solving skills and enhances understanding through peer interaction and diverse perspectives.

REFERENCES

Horn, M. B., & Staker, H. (2017). *Blended: Using disruptive innovation to improve schools*. John Wiley & Sons.
 Hao, Y., & Lee, K. S. (2016). Teaching in flipped classrooms: Exploring pre-service teachers' concerns. *Computers in Human Behavior*, 57, 250-260.

FACULTY OF PHARMACY & PHARMACEUTICAL SCIENCES LIST OF M.PHIL. AND PH.D. AWARDEES

Enrolment Number	Name	Department	Year
9-5/2019/002	Mr. Syed Samar Abbas	MPhil – Pharmaceutics	February, 2024
9-5/2019/004	Ms. Muzna Zafar	MPhil - Pharmacology	May, 2024
9-4/2018/008	Dr. Muneeza Lodhi	Ph.D. Pharmacology	January, 2024

FACULTY OF PHARMACY EVENTS

RATION DISTRIBUTION

With the blessings of Allah, the Community and Welfare Club of the Faculty of Pharmacy and Pharmaceutical Sciences has successfully distributed ration bags and meal boxes for iftar. This

initiative aims to care for those in need during the holy month of Ramadan, ensuring they have the necessary provisions to break their fast.



EVENTS

SESSION IN COLLABORATION WITH THE UNIVERSITY OF SUNDERLAND, UK

The Faculty of Pharmacy and Pharmaceutical Sciences, Ziauddin University, in collaboration with the University of Sunderland, UK, on 2nd May 2024, conducted an enlightening session on "Resume Writing, Interview Preparation, and the Future of Pharmacists in the UK." This session highlighted the necessary skills required for resume writing and interview preparation. Students also participated in engaging discussions

on the changing landscape for pharmacists in the UK.



MOTHER'S DAY CELEBRATION AT SAHARA VILLAGE

On 10th May 2024, the Welfare Club celebrated Mother's Day at Sahara Village in a heartwarming event. Volunteers and staff organised activities to uplift the spirits of the residents. They created cards, painted, and distributed gifts and gajras to the mothers. Despite the challenges these women face, the day

was filled with warmth, laughter, and a strong sense of belonging. The celebration provided much-needed emotional support and served as a reminder of their strength and resilience.

ANNUAL PICNIC

The Faculty of Pharmacy and Pharmaceutical Sciences, Ziauddin University, organised its Annual Beach Picnic on 16th May 2024. Student Council took an active part in holding the event. It was a fantastic opportunity for students, faculty, and

staff to connect outside the classroom. Students participated in various games, and soaked up the sunshine, creating lasting memories and fostering a strong community within the faculty.



PARTICIPATION IN THE NATIONAL ANTI-MICROBIAL STEWARDSHIP SUMMIT

Students of the Pharm-D program, along with faculty members, participated in the "National Antimicrobial Stewardship Summit" organised by GETZ Pharmaceuticals on May 19th, 2024. The summit featured a poster exhibition of selected abstracts submitted by various organisations, including numerous Pharmacy universities. Additionally, panel discussions were conducted by medical specialists and other authorised

medical professionals from across the country to address the issue of antimicrobial resistance. Students and faculty members from Ziauddin University's Faculty of Pharmacy and Pharmaceutical Sciences also submitted abstracts. The event provided valuable insights into the current challenges of antimicrobial resistance challenged by patients, medical personnel, and pharmaceutical companies.



EVENTS

FIRST RESPONSE WORKSHOP

To enhance emergency preparedness with essential techniques, the Student Council of Pharmacy and Pharmaceutical Sciences and the Faculty of Veterinary and

Animal Sciences organised a First Response workshop on 7th June '24, in collaboration with FRIP (First Response Initiative of Pakistan).



ORIENTATION DAY - PHARMACY TECHNICIAN PROGRAMME

Ziauddin University proudly commenced its inaugural batch of the Pharmacy Technician course on June 25th, 2024. The orientation day was filled with the enthusiasm of our brightest

youth, marking the beginning of a promising journey in Pharmacy education.



MEDICAL PROFESSIONAL TRAINING PROGRAMME FOR UNDERGRADUATE STUDENTS

The Faculty of Pharmacy and Pharmaceutical Sciences organised a workshop for third-year undergraduate students from 13th to 20th of July 2024. The students learnt dosage form calculations, route of administration, ethics and counselling

sessions. The programme aimed to enhance their practical knowledge and skills, preparing them for professional practice in various pharmaceutical settings.

