



AUA Joint Lecture Series 2026
Predictive Artificial Intelligence in Pharmaceutical Sciences
Faculty of Pharmacy, Universitas Indonesia

Program	AUA Joint Lecture Series 2026: Predictive Artificial Intelligence in Pharmaceutical Sciences
Date	1 st September – 3 rd November 2026
Time	Check the lecture schedule for the exact date of each lecture. Every session runs at 18.30 – 20.30 (GMT+7) in the evening on its scheduled day.
Tentative Schedule	• 1 September 2026 Introduction to Artificial Intelligence in Pharmaceutical Sciences and Public Health • 3 September 2026 Types and Sources of Pharmaceutical & Public Health Data for AI Applications • 8 September 2026 Exploratory Data Analysis (EDA) • 10 September 2026 Fundamentals of Machine Learning and Deep Learning • 15 September 2026 Model Evaluation Metrics for Classification and Regression • 17 September 2026 Data Processing, Sampling, and Train-Test Splitting • 22 September 2026 Supervised and Unsupervised Learning Algorithms • 24 September 2026 Ethical and Regulatory Considerations in AI for Pharmaceutical Sciences & Public Health • 29 September 2026 Data Transformation and Model Interpretability (PCA and SHAP) • 1 October 2026 Case Study: AI Applications in Pharmaceutical Industry • 6 October 2026 Case Study: AI for Public Health • 8 October 2026

	Case Study: AI Applications in Clinical and Hospital Pharmacy • 13, 20, 27 October 2026 Mini Project Design and Development (Team Work) • 3 November 2026 Mini Project Presentation and Feedback
Eligible Participants	Undergraduate or postgraduate students from AUA member universities in any field of study of health-related disciplines, including pharmacy, medicine, public health, and other related fields.
Number of Participants	Approximately 75 students, each AUA member university is invited to nominate 5 participants with 2-3 students for the waiting list. Successful enrolled participants will receive academic transcript and certificate upon completion.
Expected Outcomes	1. Enhancing Student Skill in Predictive AI for Pharmaceutical Sciences 2. Development of AI-based Solution Proposals 3. Mini Collaborative Projects 4. Strengthened Institutional Collaboration 5. Student Competency Achievement (Learning Outcomes) By the end of the program, students will be able to: - Explain key AI approaches used in pharmaceutical research; - Critically evaluate predictive AI models and their performance; - Identify ethical and governance challenges in healthcare AI; - Propose AI-integrated workflows relevant to pharmaceutical development.
Certificates	Successful enrolled participants will receive academic transcript and certificate upon completion (more details to be provided later).
Assignments	The students will be divided into teams which consists of participants from different universities. The teams will work together to produce one of the following: - Policy Briefs: Short analyses on AI governance and regulatory frameworks in Asian healthcare systems - Concept Notes: Proposals for AI-driven pharmaceutical innovations - Comparative Reports: Assessments of AI adoption readiness among participating countries. (The assignment is subject to change)

Nomination Process	Each AUA member university is invited to nominate 5 participants with 2-3 students for the waiting list. Students are not allowed to nominate themselves, rather the AUA Liaison from each university will need to register the students either using the link provided bit.ly/ParticipantAUA-UI2026 or submit the nomination form via email to mulyadi.callista@farmasi.ui.ac.id
Deadline for Nomination	23 August 2026. For offline nomination process, the nomination form can be submitted via email to mulyadi.callista@farmasi.ui.ac.id no later than 23 August 2026.
Fees	Free for participants from AUA member universities.
Contact Person	Faculty of Pharmacy, Universitas Indonesia Email: mulyadi.callista@farmasi.ui.ac.id