JOIN THE FUTURE OF BIOLOGY WITH AI!

DEPARTMENT OF BIOLOGY INTRODUCES A NEW ELECTIVE COURSE: BIO 414

AI IN BIOLOGY: INTEGRATING DATA SCIENCE AND MACHINE LEARNING IN BIOLOGICAL RESEARCH

COURSE DETAILS

Fulfills the requirement for the Biology Advance 6 Hours-Laboratory Course!!!

- Schedule: Mondays, 9:05 a.m. – 3:20 p.m.
- Location: Building 6S, Room 229

INSTRUCTORS

- **Dr. Faiza Peetz**
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- **Dr. Jimmie Fata**
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WHY TAKE THIS COURSE?

Step into the future where Biology meets Artificial Intelligence! This groundbreaking course is your gateway to understanding how machine learning is revolutionizing everything from genomic research to drug discovery. Equip yourself with the skills that are in high demand in today's job market and set yourself apart in the fields of biotech and biomedical research.

WHAT YOU WILL LEARN

- How AI is revolutionizing biological research
- Historical breakthroughs and future innovations
- Ethical challenges, data privacy, and security
- Data handling and preprocessing techniques
- Hands-on experience with machine learning concepts and AI model building
- Advanced applications in genome analysis, protein structure prediction, AI-driven drug discovery, and medical imaging transformation with deep learning

LAB COMPONENT: PYTHON PROGRAMMING FOR AI IN BIOLOGY (NO PRIOR PYTHON KNOWLEDGE REQUIRED!)

- Transform theoretical knowledge into practical skills with hands-on Python programming.
- Learn to handle and manipulate data efficiently.
- Apply machine learning algorithms.
- Perform deep learning and image analysis for biological applications.

JOIN US

Don't miss this chance to be part of a transformative journey at the cutting edge of AI and biology. This course is designed not just to teach you, but to inspire and prepare you for a future where you can make a real impact. Secure your spot now and step into the future of biological research!