BIOP - BIOPHYSICS

BIOP Class Schedule (https://courses.illinois.edu/schedule/DEFAULT/DEFAULT/BIOP/)

Courses

BIOP 401   Introduction to Biophysics   credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/BIOP/401/)
Topics include equilibrium thermodynamics, kinetics, and quantum mechanics with applications to biological and chemical systems. 3 undergraduate hours. 3 graduate hours. Prerequisite: MCB 354 or MCB 450, or equivalent, or consent of instructor.

BIOP 419   Brain, Behavior & Info Process   credit: 3 Hours. (https://courses.illinois.edu/schedule/terms/BIOP/419/)
Same as MCB 419 and NEUR 419. See MCB 419.

BIOP 432   Photosynthesis   credit: 3 Hours. ()
Same as CPSC 489 and IB 421. See IB 421.

BIOP 550   Biomolecular Physics   credit: 4 Hours. (https://courses.illinois.edu/schedule/terms/BIOP/550/)
Same as MCB 550 and PHYS 550. See PHYS 550.

BIOP 576   Computational Chemical Biology   credit: 4 Hours. (https://courses.illinois.edu/schedule/terms/BIOP/576/)
Same as CHEM 576 and CSE 576. See CHEM 576.

BIOP 581   Lab Rotation I   credit: 2 Hours. (https://courses.illinois.edu/schedule/terms/BIOP/581/)
Laboratory research methods; familiarization of first-year graduate students with experimental methods used in research in Biophysics and Quantitative Biology. Required of all first-year students majoring in Biophysics and Quantitative Biology. First five weeks of fall term. 2 graduate hours. No professional credit. Prerequisite: First-year graduate status and consent of department; concurrent registration in BIOP 582 and BIOP 583.

BIOP 582   Lab Rotation II   credit: 2 Hours. (https://courses.illinois.edu/schedule/terms/BIOP/582/)
Laboratory research methods; familiarization of first-year graduate students with experimental methods used in research in Biophysics and Quantitative Biology. Required of all first-year students majoring in Biophysics and Quantitative Biology. Second five weeks of fall term. 2 graduate hours. No professional credit. Prerequisite: First-year graduate status and consent of department; concurrent registration in BIOP 581 and BIOP 583.

BIOP 583   Lab Rotation III   credit: 2 Hours. (https://courses.illinois.edu/schedule/terms/BIOP/583/)
Laboratory research methods; familiarization of first-year graduate students with experimental methods used in research in Biophysics and Quantitative Biology. Meets last five weeks of the fall term. 2 graduate hours. No professional credit. Prerequisite: First-year graduate status and consent of department; concurrent registration in BIOP 581 and BIOP 582.

BIOP 586   Special Topics in Biophysics   credit: 1 to 4 Hours. (https://courses.illinois.edu/schedule/terms/BIOP/586/)
Advanced course/tutorials on topics of interest in biophysics, such as electrophysiology, radiation biology, bioenergetics, protein structure, or the physics of muscular contraction. May be repeated. Prerequisite: Consent of instructor.

Information listed in this catalog is current as of 03/2024