BIOPHYSICS (BIOP)

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

Courses

BIOP 401  Introduction to Biophysics  credit: 3 or 4 Hours.
Same as PHYS 475. See PHYS 475.

BIOP 419  Brain, Behavior & Info Process  credit: 3 Hours.
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.
Same as MCB 550 and PHYS 550. See PHYS 550.

BIOP 576  Computational Chemical Biology  credit: 4 Hours.
Same as CHEM 576. See CHEM 576.

BIOP 581  Lab Rotation I  credit: 2 Hours.
Laboratory research methods; familiarization of first-year graduate students with experimental methods used in research in Biophysics and Computational Biology. Required of all first-year students majoring in Biophysics and Computational Biology. First five weeks of fall term. 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.
Laboratory research methods; familiarization of first-year graduate students with experimental methods used in research in Biophysics and Computational Biology. Required of all first-year students in Biophysics and Computational Biology. Second five weeks of fall term. 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.
Laboratory research methods; familiarization of first-year graduate students with experimental methods used in research in Biophysics and Computational Biology. Required of all first-year students majoring in Biophysics and Computational Biology. Meets last five weeks of the fall term. 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.
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.

BIOP 590  Individual Topics  credit: 2 to 10 Hours.
For graduate students wishing to study individual problems or topics not assigned in other courses. May be repeated. Prerequisite: Consent of department.

BIOP 595  Biophysics Seminars  credit: 1 to 2 Hours.
Survey of literature in one area of biophysics, with special emphasis on student reports. Approved for S/U grading only. May be repeated. Prerequisite: Graduate standing in Biophysics and Computational Biology.

BIOP 599  Thesis Research  credit: 0 to 16 Hours.
Research may be conducted in any area under investigation in a faculty laboratory, subject to the approval of the faculty member concerned and the department in which the research is to be done. Approved for S/U grading only. May be repeated.