

Course Schedule - Fall 2005

Biophysics

401 **Introduction to Biophysics** Credit: 3 hours.

(BIOPH 301) Review of membrane and cell biophysics designed to introduce the theoretical and mathematical bases of bioelectricity, photobiology and biomolecular motors. Prerequisite: One year each of college-level mathematics and physics; one year each of college level biology and chemistry recommended.

CRN	Type	Section	Time	Days	Location	Instructor
29726	lecture	A	11:00 AM - 11:50 AM	MWF	room 106B1 Engineering Hall	Wraight, C

586 **Special Topics in Biophysics** Credit: 1 to 4 hours.

(BIOPH 410) Advanced course/tutorials on topics of interest in biophysics, such as electrophysiology, radiation biology, bioenergetics, protein structure, or the physics of muscular contraction Prerequisite: Consent of instructor.

CRN	Type	Section	Time	Days	Location	Instructor
10416	independent study		ARRANGED			
10416: Departmental Approval Required						

590 **Individual Topics** Credit: 2 to 10 hours.

(BIOPH 490) For graduate students wishing to study individual problems or topics not assigned in other courses. Prerequisite: Consent of department.

For graduate students wishing to study individual problems and topics not assigned in other courses, please contact the Biophysics office (156 Davenport Hall) for a list of research topics and faculty.

CRN	Type	Section	Time	Days	Location	Instructor
42375	discussion-recitation	C	09:00 AM - 04:00 PM	S		Tajkhorshid, E
42375: Meets 27-Aug-05 - 24-Sep-05.						
42375: 2 hoursBIOP 590C: Hands-on Course in Computational Biology, 2.00 credit hours. Contact Cindy Dodds (dodds@uiuc.edu; 333-1630) for detailed information about the course and permission to enroll.						

595 **Biophysics Seminars** Credit: 1 to 2 hours.

(BIOPH 411) Survey of literature in one area of biophysics, with special emphasis on student reports. Approved for both letter and S/U grading. Prerequisite: Graduate standing in Biophysics and Computational Biology.

CRN	Type	Section	Time	Days	Location	Instructor
Page 1 - Biophysics, Fall 2005						

31464	conference	A	ARRANGED			Gruebele, M
31464: 1 hoursTopic: Department Seminars. Students choose biophysically-related seminars to attend each week.						
31466	lecture	B	ARRANGED			Gruebele, M
31466: 1 hoursTopic: Biophysics Faculty Research Topic Seminars.						

599 Thesis Research Credit: 0 to 16 hours.

(BIOPH 499) 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.

CRN	Type	Section	Time	Days	Location	Instructor
10418	independent study		ARRANGED			
10418: Departmental Approval Required						