

Course Schedule - Spring 2006

Biophysics

417 *Modeling Neural Systems* Credit: 4 hours.
Same as BIOE 417, MCB 417, and NEUR 427. See MCB 417.

CRN	Type	Section	Time	Days	Location	Instructor
36830	laboratory	AB1	03:00 PM - 04:50 PM	W	room 106B6 Engineering Hall	Anastasio, T
36831	lecture	AL1	03:00 PM - 04:50 PM	M	room 106B6 Engineering Hall	Anastasio, T

419 *Brain, Behavior & Info Process* Credit: 3 hours.
Same as MCB 419, BIOE 419 and NEUR 419. See MCB 419.

CRN	Type	Section	Time	Days	Location	Instructor
41129	lecture	MN	01:00 PM - 02:20 PM	TR	room 1304 Siebel Center for Comp Sci	Nelson, M
41129: 3 hours						

420 *Molecular Biophysics* Credit: 3 hours.

Examines structure and function of biological macromolecules and supramolecular assemblies; methods for three-dimensional structure determination. Specific topics include: diffraction methods, protein structure and the molecular basis of enzyme catalysis, antibody structure and function, virus structure and assembly; membrane proteins, microtubules and other supramolecular assemblies, nucleic acid structure, protein-nucleic acid interactions. Same as MCB 425. Prerequisite: MCB 354; CHEM 440, or equivalent; or consent of instructor.

CRN	Type	Section	Time	Days	Location	Instructor
31801	lecture-discussion	A	01:00 PM - 02:20 PM	TR	room G30 Foreign Languages Bldg	Nair, S
31801: Biophysics graduate students are required to concurrently register for BIOP 586 ZZ.						

550 *Biomolecular Physics* Credit: 4 hours.
Same as MCB 550, and PHYS 550. See PHYS 550.

CRN	Type	Section	Time	Days	Location	Instructor
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36781	lecture	A	10:30 AM - 11:50 AM	TR	room 136 Loomis Laboratory	Schulten, K
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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 Prerequisite: Consent of instructor.

CRN	Type	Section	Time	Days	Location	Instructor
10416	independent study		ARRANGED			
10416: Instructor Approval Required						
31803	conference	ZZ	03:00 PM - 03:50 PM	R	room 279 Davenport Hall	Gruebele, M
31803: Biophysics graduate students are required to be register concurrently for BIOP 420.						

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

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
10417	independent study		ARRANGED			
10417: Instructor Approval Required						
10417: Please contact the BIOP Office in 156 Davenport Hall for the proper CRN.						

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

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
31837	conference	A	ARRANGED			
31837: 1 hours						

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.

CRN	Type	Section	Time	Days	Location	Instructor
10418	independent study		ARRANGED			
10418: Instructor Approval Required						
10418: Please contact the BIOP Office in 156 Davenport Hall for the proper CRN.						