Class Schedule - Fall 2017

Biophysics

Biophysics and Quantitative Biology, Center for
Director: Satish Nair
Center Office: 179 Loomis, 1110 West Green Street, Urbana
Phone: 217-333-1630
biophysics.illinois.edu
Subjects associated with this department include: Biophysics (BIOP), Molecular and Cellular Biology (MCB) and Neuroscience (NEUR).

BIOP 401  Introduction to Biophysics  credit: 3 OR 4 hours.
Same as PHYS 475. See PHYS 475.

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<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>29726</td>
<td>Lecture</td>
<td>A</td>
<td>09:30 AM - 10:50 AM</td>
<td>TR</td>
<td>158 - Loomis Laboratory</td>
<td>Selvin, P</td>
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</tbody>
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Restricted to students with Junior or Senior class standing.

BIOP 432  Photosynthesis  credit: 3 hours.
Same as CPSC 489 and IB 421. See IB 421.

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<tbody>
<tr>
<td>49924</td>
<td>Lecture</td>
<td>A</td>
<td>09:30 AM - 10:50 AM</td>
<td>TR</td>
<td>-</td>
<td>Ainsworth, E Bernacchi, C Ort, D</td>
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This course will meet in 607 IGB.

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 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.

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<tbody>
<tr>
<td>48389</td>
<td>Independent Study</td>
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<td>ARRANGED -</td>
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Instructor Approval Required

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 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.
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. 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.
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.

For graduate students wishing to study individual problems and topics not assigned in other courses, please contact the Biophysics office (179 Loomis Lab) for a list of research topics and faculty.

BIOP 595  **Biophysics Seminars**  credit: 1 TO 2 hours.
Survey of literature in one area of biophysics, with special emphasis on student reports. 1 to 2 graduate hours. No professional credit. Approved for S/U grading only. May be repeated. Prerequisite: Graduate standing in Biophysics and Quantitative Biology.
Credit Hours: 1 hours
Restricted to Graduate - Urbana-Champaign.
Topic: Department Seminars. Students choose biophysically-related seminars to attend each week.

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<tr>
<td>31466</td>
<td>Lecture</td>
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<td>Nair, S</td>
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Credit Hours: 1 hours
Restricted to Graduate - Urbana-Champaign.
Topic: Biophysics Faculty Research Topic Seminars.

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.

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Departmental Approval Required