Biological Sciences: Graduate Program Guidelines for the First Year

1. During orientation week, it will be emphasized that the choice of an advisor and lab will be between student and the prospective advisor. First-year inclusion in a lab is expected, with the possibility of a switch later on. Orientation will also emphasize that rotation and lab choices may be made across the department among those faculty who are accepting students.
   a. Students who leave one lab will, as is the case now, have one semester to find a new lab and advisor. If that is not possible, the student will be dismissed from the program.
   b. A second move may occur only under unusual circumstances, on a case-by-case basis.

2. Fall Semester Course Overviews

BIOS 594 Special Topics in Biological Sciences Research

a. Incoming students will take a 1-credit seminar in the fall semester. Each weekly seminar meeting will include two faculty presentations of 15-20 minutes on research interests and discussion. Over the course of the semester, all incoming students will be introduced to all faculty not on leave, and to high points of their research.
   b. In addition to an introduction to faculty interests, BIOS 594 will allow people in each cohort to get to know each other, as well as learn what goes on in peers’ labs.
   c. To expedite choices of labs for rotations, faculty who intend to have lab rotations (i.e. intend to accept students) will be front-loaded into the seminar. These will be given in the first two weeks.

BIOS 592 - Research Seminar Series

Students are expected to present their research in this series and attend their peers’ presentations along with the faculty. Students must attend 12 of 15 seminars per semester, sign-up sheets will be on hand, and can choose between seminars offered in either of the two seminar series depending on their interests/schedules.

BIOS 593 - Lab Rotations (non E&E students)

a. Students are expected to do three lab rotations which will be 7 weeks long and will only involve faculty who intend to accept a new student. See list below.
   Rotation 1 - September 19 – November 4
   Rotation 2 - November 7 – December 2 and January 9 – January 27
   Rotation 3 - January 30 – March 17
   b. Faculty from all research groups may choose to participate in rotations.
   c. More than one student may be admitted to a lab following rotations.
   d. E& E students who join a lab upon enrollment will participate in lab meetings of 2 other faculty during the first year (i.e. winter and travel preclude formal lab rotations).

BIOS 595 – Seminar Series

Seminars by outside speakers are offered in MBRB CRN 12621 [invited by MCDB faculty] as well as in SEL CRN 12623 [invited by Neuro faculty] throughout the semester. Students are free to
attend any of the seminars. In addition, students are welcome to attend seminars invited by E&E faculty BIOS 539 CRN 12568 (SEL 4289).

Fall Graded Courses

Students are free to choose between NEUS 501 or BIOS 524 (see attached syllabi). Coursework for all students will start the week of August 22nd. Subsequent courses will be decided between the advisor and the student after they have joined a lab. Students who will be joining a lab in Ecology and Evolution will take BIOS 531 Fall semester & BIOS 532 Spring semester.

Biological Sciences: First Semester Course Registration Guidelines at a glance

ALL NON-E&E STUDENTS, PLEASE REGISTER FOR THE FOLLOWING PRIOR TO ORIENTATION WEEK:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>CRN</th>
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<tbody>
<tr>
<td>BIOS 594 Special Topics in BIOS Research</td>
<td>1 hour</td>
<td>29128</td>
</tr>
<tr>
<td>BIOS 592 Research Seminar</td>
<td>2 hours</td>
<td></td>
</tr>
<tr>
<td>BIOS 593 Intro to Lab Rotations</td>
<td>6 hours</td>
<td>31096</td>
</tr>
<tr>
<td>BIOS 595 Seminar series (Outside speakers)</td>
<td>0 hours</td>
<td></td>
</tr>
<tr>
<td>NEUS 501 Foundations of Neuroscience</td>
<td>3 hours</td>
<td>26189</td>
</tr>
<tr>
<td>BIOS 524 Molecular Biology Principles</td>
<td>3 hours</td>
<td>12352</td>
</tr>
<tr>
<td>BIOS 599 Dissertation Research</td>
<td>8 hours</td>
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<td></td>
<td>12 hours</td>
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PLEASE REGISTER FOR ONE OF THE FOLLOWING AFTER ORIENTATION WEEK:

FOR STUDENTS WHO HAVE PRE-ARRANGED TO JOIN A LAB WITHIN THE E&E GROUP DIRECTLY:

<table>
<thead>
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</tr>
</thead>
<tbody>
<tr>
<td>BIOS 594 Special Topics in BIOS Research</td>
<td>1 hour</td>
<td>29128</td>
</tr>
<tr>
<td>BIOS 531 Intro to Ecology &amp; Evolution I</td>
<td>3 hours</td>
<td>12564</td>
</tr>
<tr>
<td>BIOS 539 E&amp;E Outside Speaker Seminar series</td>
<td>0 hours</td>
<td>12568</td>
</tr>
<tr>
<td>BIOS 599 Dissertation Research</td>
<td>8 hours</td>
<td></td>
</tr>
<tr>
<td></td>
<td>12 hours</td>
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FACULTY AVAILABLE FOR ROTATIONS FOR THE INCOMING CLASS

Please review their webpage links. These faculty will provide an overview of their research during the first two weeks of the semester. Students should attend all of these presentations. They will be held Monday – Thursday, Aug 22 – 25 and Monday – Thursday, August 29 – Sept 2 from 5-6p

Chiou-Fen Chuang
Ron Dubreuil
Dave Featherstone
Liang-Wei Gong
Boris Igic
Connie Jeffery
Paul Malchow
Don Morrison
Pete Okkema
Teresa Orenic
Yury Polikanov
Janet Richmond
Ankur Saxena
Dave Stone