

**The Ohio State University  
Colleges of the Arts and Sciences Course Change Request**

Molecular Genetics

Academic Unit

Molecular Genetics

H220

Book 3 Listing (e.g., Portuguese)

Course Number

Summer Autumn x Winter Spring Year 2006

Proposed effective date: choose one quarter and put an "X" after it; and fill in the year. See the OAA curriculum manual for deadlines.

**A. Course Offerings Bulletin Information.** Follow instructions in the OAA curriculum manual. Before you fill out the "Present Course" information, be sure to check the latest edition of the *Course Offerings Bulletin* and subsequent Circulating Forms. You may find that the changes you need have already been made or that additional changes are needed. If the course offered is less than quarter or term, please also complete the Flexibly Scheduled/Off-Campus/Workshop Request form.

**COMPLETE ALL ITEMS THIS COLUMN**

**Present Course**

1. Book 3 Listing: Molecular Genetics
2. Number: H220
3. Full Title: Introduction to Molecular Life Sciences: Research Opportunities and Career Options
4. 18-Char. Transcript Title: Intro MolecuL Res
5. Level and Credit Hours: U 01
6. Description: Faculty presentations and faculty tours to introduce first- and second-year students to research opportunities in molecular life sciences (25 words or less)
7. Qtrs. Offered: Au Qtr
8. Distribution of Contact Time: 1 cl (e.g., 3 cl, 1 3-hr lab)
9. Prerequisite(s): Biology 113 or H115, and permission of instructor
10. Exclusion: (Not open to...)
11. Repeatable to a maximum of \_\_\_\_\_ credits.
12. Off-Campus Field Experience:
13. Cross-listed with:
14. Is this a GEC course? No
15. Grade option (circle): Lr **S/U** P  
If P graded, what is the last course in the series?
16. Is an honors version of this course available?
17. Other general course information:

**COMPLETE ONLY THOSE ITEMS THAT CHANGE**

**Changes Requested**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. Biology 113 or H115
10. \_\_\_\_\_
11. \_\_\_\_\_
12. \_\_\_\_\_
13. \_\_\_\_\_
14. \_\_\_\_\_
15. \_\_\_\_\_
16. \_\_\_\_\_
17. \_\_\_\_\_

**B. General Information**

1. Do you want the prerequisites enforced electronically (see the OAA manual for what can be enforced)?  
yes

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2. Does this course currently satisfy any GEC requirement, if so indicate which category?  
no

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3. What other units require this course? Have these changes been discussed with those units?  
none

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4. Have these changes been discussed with academic units that might have a jurisdictional interest in the subject matter? Attach relevant letters.  
NA

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5. Is the request contingent upon other requests, if so, list the requests?  
no

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6. Purpose of the proposed change. (If the proposed change affects the content of the course, attach a revised syllabus and course objectives and e-mail to [ascurofc@osu.edu](mailto:ascurofc@osu.edu).)  
to remove permission of instructor

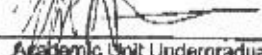

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7. Please list Majors/Minors affected by the proposed change. Attach revisions of all affected programs. This course is (check one):  
 Required on major(s)/minor(s)       A choice on major(s)/minors(s)  
 An elective within major(s)/minor(s)       A general elective:

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8. Describe any changes in library, equipment or other teaching aids needed as a result of the proposed change or if the proposed change involves budgetary adjustments, describe the method of funding:  
none

**Approval Process** The signatures on the lines in ALL CAPS ( e.g. ACADEMIC UNIT) are required.

- |  |                                   |                 |
|--|-----------------------------------|-----------------|
| <br>1. Academic Unit Undergraduate Studies Committee Chair  | Michael Weinstein<br>Printed Name | 5/18/06<br>Date |
| 2. Academic Unit Graduate Studies Committee Chair  | Printed Name                      | Date            |
| <br>3. ACADEMIC UNIT CHAIR/DIRECTOR   | Bert Oakley<br>Printed Name       | 5/18/06<br>Date |
| 4. After the Academic Unit Chair/Director signs the request, forward the form to the ASC Curriculum Office, 105 Brown Hall, 190 West 17 <sup>th</sup> Ave. or fax it to 688-5678. Attach the syllabus and any supporting documentation in an e-mail to <a href="mailto:ascurofc@osu.edu">ascurofc@osu.edu</a> . The ASC Curriculum Office will forward the request to the appropriate committee. |                                   |                 |
| 5. COLLEGE CURRICULUM COMMITTEE  | Printed Name                      | Date            |
| 6. ARTS AND SCIENCES EXECUTIVE DEAN  | Printed Name                      | Date            |
| 7. Graduate School (if appropriate)  | Printed Name                      | Date            |
| 8. University Honors Center (if appropriate)   | Printed Name                      | Date            |
| 9. Office of International Affairs (study tours only)  | Printed Name                      | Date            |
| 10. ACADEMIC AFFAIRS   | Printed Name                      | Date            |

**MG H220**  
**RESEARCH & CAREER OPPORTUNITIES**  
**IN THE LIFE SCIENCES**

**FALL QUARTER 2005**

**Thursdays 4:30-5:18 PM**

**Bioscience Bldg. Room 684**

**Course website: <http://mmr.med.ohio-state.edu/~mostrowski/> or  
<http://www.biosci.ohio-state.edu/~mostrows/course.htm>**

**COURSE INSTRUCTORS:**

Michael C. Ostrowski  
Professor, Molecular Genetics  
Room 832 Riffe Building  
688-3824, [ostrowski.4@osu.edu](mailto:ostrowski.4@osu.edu)

**TEACHING ASSISTANT:**

Rashmi Deshpande  
Room 940 Bioscience Building  
688-0009, [deshpandc.21@osu.edu](mailto:deshpandc.21@osu.edu)

**COURSE OBJECTIVE**

The primary goal of this course is twofold: 1) to provide students an introduction to several major areas of research ongoing in the Molecular Life Sciences at OSU. This will be accomplished through a combination of faculty presentations and tours of state-of-the-art research facilities at OSU. These short presentations by a faculty member and facility tours should provide an effective way to communicate information to Honor's and Scholar's Program students so that they can identify areas of research to pursue during their undergraduate career; 2) to provide students the opportunity to explore the various career options that are available to a major in the Molecular Life Sciences. To introduce the students to different career choices, outside speakers will be invited to share their knowledge and experiences with the students. In addition to introducing the students to areas of research and potential career paths, the contact with faculty will also introduce the students to potential mentors. For example, these potential mentors could be important contacts if the student decides to do a senior thesis or needs advice on a career path.

## COURSE SCHEDULE

The schedule is still tentative. We will inform you of any changes as the quarter progresses. Note some meetings are in other locations than 684 Biosci

- September 22**                      **Facility Tours: Meet at Rm 684 Biosci**
- Plant/Microbe Genome Facility Tour**  
Rm 420 Biosci  
<http://www.biosci.ohio-state.edu/~pmgf/>
- Campus Microscopy & Imaging Facility Tour**  
4029 Graves Hall  
<http://cmif.osu.edu/index.cfm>  
<http://cmif.osu.edu/index.cfm>
- September 29**                      **Dr. Mike Ostrowski, Professor, Human Cancer Genetics**  
Rm 684 Biosci                      **Introduction: Research in the Life Sciences at OSU**  
<http://www.biosci.ohio-state.edu/~mostrows/>
- October 6**                              **Dr. Gustavo Leone, Assistant Professor, Human Cancer Genetics**  
   & **Molecular Genetics**  
Rm 684 Biosci                      **Cell Cycle Regulation and Cancer**  
<http://www.osumolgen.org/faculty/leone.htm>
- October 13**                              **Dr. Judith Westman, Associate Professor, Human Cancer Genetics**  
Rm 684 Biosci                      **Ethics in Human Genetic Research**  
<http://www.cancergenetics.med.ohio-state.edu/2743.cfm>
- October 20**                              **Dr. Fred Cope, Associate Director of research, Comprehensive**  
   **Cancer Center**  
Rm 684 Biosci                      **Careers in the Biotechnology/Pharmaceutical Industry**
- October 27**                              **Facility Tours: meet at Rm 684 Biosci**  
   **Plant/Microbe Genome Facility Tour**  
Rm 420 Biosci  
<http://www.biosci.ohio-state.edu/~pmgf/>
- Campus Microscopy & Imaging Facility Tour**  
4029 Graves Hall  
<http://cmif.osu.edu/index.cfm>
- November 3**                              **Amanda Ewart Toland, PhD**  
   **Assistant Professor, Division of Human Genetics**

**Clinical Cancer Genetics****November 10****No Class****November 17**  
Rm 684 BiosciDr. Susan Cole, Assistant Professor, Molecular Genetics  
**Biological Clocks and Mammalian Development**  
<http://www.osumolgen.org/faculty/cole.htm>**November 24****THANKSGIVING—NO CLASSES****December 1**  
Rm 684 BiosciDr. Mike Ostrowski, Professor, Molecular Genetics  
**Conclusion: Research in the Life Sciences at OSU**  
<http://www.biosci.ohio-state.edu/~mostrows/>**GRADING POLICY**

The class is graded on an "S" or "U" basis. Three components will weigh into the final grade. First, attendance at all meetings is required (25%). Second, participation, in the form of asking questions of the speakers, is strongly encouraged. Instructors will informally keep track of student questions, and encourage all students to participate in the sessions (15%). Third, students will be required to keep a journal entry for each presentation. This journal entry will consist of a short one paragraph description of the presentation or tour and short answers to one or two questions that will be provided by the instructors after the presentation (60%).