

# The Ohio State University

## Colleges of the Arts and Sciences Course Change Request

Molecular Genetics

Academic Unit

Molecular Genetics

650

Book 3 Listing (e.g., Portuguese)

Course Number

Summer

Autumn X 2007

Winter

Spring

Year

**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/OffCampus/Workshop Request form*.

### COMPLETE ALL ITEMS THIS COLUMN

#### Present Course

1. Book 3 Listing: Molecular Genetics

2. Number: 650

3. Full Title: Analysis and Interpretation of Biological Data I

4. 18-Char. Transcript Title: Anal-Interp Data I

5. Level and Credit Hours U G 5

6. Description: : Methods of analyzing biological data (25 words or less) including sampling, descriptive statistics, distributions, group comparisons, statistical inference, one-way and nested analysis of variance and linear regression and correlation.

7. Qtrs. Offered : AU , WI, SP

8. Distribution of Contact Time: 1 2-hr lab 4 cl (optional after 1<sup>st</sup> wk) 3-5 hrs (e.g., 3 cl, 1 3-hr lab)

9. Prerequisite(s): Math 150 or equiv. and 15 cr hrs at 300-level or higher in a dept of agriculture or in biological sciences

10. Exclusion: None (Not open to....)

11. Repeatable to a maximum of 0 credits.

12. Off-Campus Field Experience: NA

13. Cross-listed with:

14. Is this a GEC course? No

15. Grade option (circle): Ltr S/U P If P graded, what is the last course in the series?

16. Is an honors version of this course available? No

17. Other general course information:

### COMPLETE ONLY THOSE ITEMS THAT CHANGE

#### Changes Requested

1.

2.

3.

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5.

6. Methods of analyzing biological data including: sampling, descriptive statistics, distributions, analysis of variance, inference, regression, and correlation. Course emphasizes practical applications of statistics in the biological sciences.

7. AU

8. 3 1-hr lectures, 1 1-hr recitation, 1 hr arranged for computer analysis of data

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## B. General Information

1. Do you want the prerequisites enforced electronically (see the OAA manual for what can be enforced)?  
yes
2. Does this course currently satisfy any GEC requirement, if so indicate which category?  
yes
3. What other units require this course? Have these changes been discussed with those units?
4. Have these changes been discussed with academic units that might have a jurisdictional interest in the subject matter?  
Attach relevant letters.
5. Is the request contingent upon other requests, if so, list the requests?  
No
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 [asccurrofc@osu.edu](mailto:asccurrofc@osu.edu).)  
To accurately show the content and quarter offered
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:
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:

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

- |     |   |                                     |                    |
|-----|---|-------------------------------------|--------------------|
| 1.  | Academic Unit Undergraduate Studies Committee Chair   | Michael Weinstein<br>Gregory Booton | 1/17/06<br>1/13/06 |
|     |   | Printed Name                        | Date               |
| 2.  | Academic Unit Graduate Studies Committee Chair  | Mark Seeger                         | 1/13/06            |
|     |   | Printed Name                        | Date               |
| 3.  | ACADEMIC UNIT CHAIR/DIRECTOR  | Bert Oakley                         | 1/11/06            |
|     |   | Printed Name                        | 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:asccurrofc@osu.edu">asccurrofc@osu.edu</a> . The ASC Curriculum Office will forward the request to the appropriate committee. |                                     |                    |
| 5.  | COLLEGE CURRICULUM COMMITTEE  | Elizabeth L. Gross                  | 1/23/06            |
|     |   | Printed Name                        | Date               |
| 6.  | ARTS AND SCIENCES EXECUTIVE DEAN  | Edward Acheler                      | 1-25-06            |
|     |   | 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  |