# Curriculum Change Form

**(Present only one proposed curriculum change per form)**

***(Complete only the section(s) applicable.)***

**Part I**

| (Check one) | | Department Name | Biological Sciences |
|---|---|---|---|
| | New Course (Parts II, IV) | College | Arts and Sciences |
| X | Course Revision (Parts II, IV) | *Course Prefix & Number | BIO 531 |
| | Hybrid Course ("S," "W") | *Course Title | Principles of Molecular Biology I |
| | New Minor (Part III) | *Program Title | |
| | Program Suspension (Part III) | | |
| | Program Revision (Part III) | *Provide only the information relevant to the proposal. | If Certificate, indicate Long-Term (University) or Short-Term (Departmental) |

| Proposal Approved by: | Date | | Date |
|---|---|---|---|
| Departmental Committee | 09-04-2013 | Council on Academic Affairs | 10/17/2013 |
| College Curriculum Committee | 09-16-2013 | Faculty Senate** | NA |
| General Education Committee* | NA | Board of Regents** | NA |
| Teacher Education Committee* | NA | EFFECTIVE ACADEMIC TERM*** | Fall 2014 |
| Graduate Council* | 10-04-13 | | |

*If Applicable (Type NA if not applicable.)
**Approval needed for program revisions or suspensions.
***To be added by the Registrar's Office after all approval is received.

**Completion of A, B, and C is required: (Please be specific, but concise.)**

**A. 1. Specific action requested:** (Example: Increase the number of credit hours for ABC 100 from 1 to 2.)

Change catalog description: update prerequisites and course description.

**A. 2. Proposed Effective Academic Term:** (Example: Fall 2012)

Fall 2014

**A. 3. Effective date of suspended programs for currently enrolled students:** (if applicable)

**B. The justification for this action:**

Change prerequisites to better reflect modern molecular biology, as well as update prerequisite course numbers. The course description has also been updated to reflect the current molecular biology course.

**C. The projected cost (or savings) of this proposal is as follows:**

**Personnel Impact:** None.

**Operating Expenses Impact:** None.

**Equipment/Physical Facility Needs:** None.

**Library Resources:** None.

**Part II. Recording Data for New, Revised, or Dropped Course**

(For a **new required course,** complete a separate request for the appropriate program revisions.)

1. For a new course, provide the catalog text.
2. For a revised course, provide the current catalog text with the proposed text using ~~strikethrough~~ for deletions and underlines for additions.
3. For a dropped course, provide the current catalog text.

New or Revised* Catalog Text

(*Use ~~strikethrough~~ for deletions and underlines for additions. Also include Crs. Prefix, No., and description, limited to 35 words.)

**BIO 531 Principles of Molecular Biology I (4) A.** Prerequisites: ~~BIO 315~~ BIO 320 or 331, and CHE 361~~, and 366; or instructor approval~~. An in-depth study of the structure, function, and ~~biochemistry~~ technological applications of nucleic acids and proteins. Laboratory experiences will involve manipulation of DNA and ~~protein~~ RNA molecules for the purpose of isolation, genetic engineering, forensics, and gene expression analysis ~~purification, structural modification~~. Credit will not be awarded for both BIO 531 and 531S. 2 Lec/4 Lab.

**Part IV. Recording Data for New or Revised Course** (Record only **new or changed** course information.)

| Course prefix (3 letters) | Course Number (3 Digits) | Effective Academic Term (Example: Fall 2012) | College/Division: | Dept. (4 letters)* |
|---|---|---|---|---|
| BIO | 531 | Fall 2014 | AS X HS<br>BT JS<br>ED UP | BIOS |

| Credit Hrs. | Weekly Contact Hrs. | Repeatable Maximum No. of Hrs. |
|---|---|---|
| | Lecture Laboratory Other | Cip Code (first two digits only) |

| Schedule Type* (List all applicable) | Work Load (for each schedule type) | Grading Mode* | Class Restriction, if any: (undergraduate only) |
|---|---|---|---|
| | | | FR JR<br>SO SR |

Grading Information: Course is eligible for IP (in-progress grading) for: Check all applicable

Thesis
Internship
Independent Study
Practicum

**CoRequisites and Prerequisites** ****See definitions on following page****

**Co-Requisite(s):** (List only co-requisites. See below for prerequisites and combinations.)

| | |
|---|---|
| Course Prefix and No. | |
| Course Prefix and No. | |

**Prerequisite(s)**: (List prerequisites only. List combinations below. Use **"and"** and **"or"** literally.) (Specific minimum grade requirements should be placed in ( ) following courses. Default grade is D ˉ.)

| | |
|---|---|
| Course Prefix and No. | ~~BIO 315~~ BIO 320 or 331, and CHE 361~~, and 366; or instructor approval~~. |
| Course Prefix and No. | |
| Test Scores | |
| Minimum GPA (when a course grouping or student cumulative GPA is required) | |

**Co-requisite(s) and/or Prerequisite(s) Combination** (Use **"and"** and **"or"** literally.) (Specific minimum grade requirements should be placed in ( ) following courses. Default grade is D-.)

| | |
|---|---|
| Course Prefix and No. | |
| Test Scores | |
| Minimum GPA (when a course grouping or student cumulative GPA is required) | |

**Equivalent Course(s):** (credit will not be awarded for both…; or formerly…)

| | |
|---|---|
| Course Prefix and No. | |
| Course Prefix and No. | |
| Course Prefix and No. | |

Proposed General Education Element: Please mark (**X**) in the appropriate Element or Elements ( e.g. – 4B(3) **X** ).

| Element 1 (9) | Element 2 (3) | Element 3 (6) | Element 4 (6) | Element 5 (6) | Element 6 (6) |
|---|---|---|---|---|---|
| 1A (3) | 2 (3) | 3A (3) | 4A (3) | 5A (3) | 6 (6) |
| 1B (3) | | 3B (3) | 4B (3) | 5B (3) | |
| 1C (3) | | *or* 3A/B Integrated A&H(6) | *or* 4A/B Integrated Sciences(6) | | |