

TITLE Two Changes to BS Biochemistry Degree Program

Sponsor(s)	Robert Newland	e-mail: newland@rowan.edu
	Catherine Yang	e-mail: yang@rowan.edu
	Richard Frazee	e-mail: frazee@rowan.edu

DEPARTMENT Chemistry & Biochemistry
 College CLAS

If LAS-check: History/Humanities Social/Behavioral Sciences
 X Math/Science

 X UNDERGRADUATE GRADUATE

 New non gen-ed Major

 Short-Term non gen-ed

 X Minor curricular changes (fewer than three) to:

 Existing non gen-ed course

 X Non gen-ed degree requirements

 Major

 Minor, specialization, concentration, track, certificate program

Signatures Required: representing approval before submission to Office of the Senate

Department Chair:	<u>Robert Newland</u>	Date: <u>1/31/06</u>
Department CURRICULUM Chair:	<u>Catherine Yang</u>	Date: <u>1/31/06</u>
Academic DEAN:	<u>Joy Hu</u>	Date: <u>2-7-06</u>

COLLEGE CURRICULUM COMMITTEE: Open Hearing Date: 3/5/06
 Approved: [Signature]
 Not Approved:

Signature: College Curriculum Chair

Signature: SENATE CURRICULUM CHAIR [Signature]
 Date: 3/27/06

Comments:

Signature: Executive Vice President/Provost: [Signature]
 Date: 4/21/06

Approved: ✓
 Not Approved:

Signature: REGISTRAR [Signature]
 Date: 5/30/06 Course Description Received & Approved
 Hegis Taxonomy & Course #

Notification Forward:

<u> </u> SCC CHAIR	<u> </u> Academic Dean
<u> </u> IR	<u> </u> Department Chair
<u> </u> CAP	<u> </u> VP/Student Affairs
<u> </u> Registrar	<u> </u> Other-

Minor Curricular Changes

Two Changes to BS Biochemistry Degree program

Details

A1. Change the Restricted Elective courses as follows:

From: 3 upper level Biology courses

0411.330 Microbiology

0401.430 Cell Biology

0422.450 Molecular Genetics

To: 2 selected from the list, the rest of the 20 sh selected from biochemistry and chemistry courses at 300 or 400 level.

0411.330 Microbiology

0401.430 Cell Biology or 0401.428 Developmental Biology

0422.450 Molecular Genetics or 0422.410 Human Genetics.

A2. Change required courses

From : Biology I & II

To: Biology 2 & 3

B. **Sponsors:** Cathy Yang, Robert Newland and Richard Frazee
Department of Chemistry and Biochemistry

Rational

- a. Statements of need: The Biochemistry program will make minor changes in response to recent approved changes in the Biology course offerings.
 1. The Biological Sciences Department will no longer offer Biology I & II and are replacing those courses with Biology 1-4. After discussion and negotiation with Biological Sciences we have mutually decided to require Biology 2 & 3 of all Biochemistry majors.
 2. The Biological Sciences Department will reduce the frequency of upper level courses so we have decide to permit more choices in the upper level biology courses required of Biochemistry majors to ensure reasonable graduate timelines and to simply give more choices to those majors. Reducing the number of courses is also to ensure better graduation timelines.
- b. Statements of curricular effect: The curricular effect is as follows:

This will assist biochemistry majors by allowing them to obtain biology courses more readily and it will provide them choices. This should help with graduate rates.

Results of Consultation

A consultation letter will be generated by the Department of Biology.

THIS FORM MUST BE COMPLETED FOR ALL CURRICULUM PROPOSALS

The purpose of this form is to provide a channel of communication between the Campbell Library staff and faculty when changing and designing new courses/programs. The information will be used to assess the resources available in the library, and to identify resources the library should acquire to support the course/program. The information will also provide the rationale for institutional support for library acquisitions. This form should be completed in a coordinated effort between the course sponsor(s) and the academic department liaison librarian.

Note: Sponsor(s) complete parts A & B

If assistance is required to complete, please notify the librarian liaison.

Forward this form to the librarian who will complete parts C, D & E

When form is completed, attach to the original curriculum proposal before submitting to the Senate office.

A. College: LAS	Department: Chemistry & Biochemistry
Proposed by: C. Yang, R. Newland	Date: 01/2006
COURSE TITLE: Changes to BS Biochemistry Degree Program	
Anticipated Date for Course/Program Offering: Fall 2006	

B. List specific resources that should be acquired to support this course.

No additional resources are required. The library's existing holdings in developmental biology and human genetics should be sufficient for the slightly increased demand (by students who choose those electives instead of the courses required previously).

C. Describe the resources available in the library to support this course/program, including reference, monographic, electronic databases, audio-visual materials, etc. A summary statement is sufficient.

The library has 28 books in Developmental Biology (most published in the past 10 years) and 119 books in Human Genetics. We also have online access to ScienceDirect, Biomedical Reference Collection, MEDLINE, all the Nature journals, and the Wiley InterScience collection.

D. List key periodicals available in the library to support this course/program.

Key periodicals available in print or online at Campbell Library include 5 in the area of human genetics and 14 in developmental biology, in addition to the microbiology, cell biology, and molecular genetics periodicals.

E. Librarian comments & recommendations:

The proposed change in the degree program does not require any change in library support. It can be supported with existing resources.

LIBRARIAN LIAISON: Denise Brush

Signature: Denise A. Brush

Subject: BS Biochem curriculum proposal
Date: Monday, January 23, 2006 6:42 PM
From: Gregory Hecht <hecht@rowan.edu>
To: Robert Newland Newland@rowan.edu
Cc: Gregory Hecht hecht@rowan.edu
Conversation: BS Biochem curriculum proposal
Category: Chairs

MEMO TO: Robert Newland
From: Gregory Hecht

Re: BS Biochem curriculum proposal

Bob -

Thank you for consulting with the Biological Sciences Dept regarding your curricular proposal entitled "Two Changes to BS Biochemistry Degree Program."

The change in regards to the Biology core (Detail A2) is entirely appropriate. The change will allow our Department to provide a more rigorous and skill-oriented core than our old Biology I & II core.

The change in regards to the Restricted Electives (Detail A1) should make it easier for Biochemistry majors to satisfy the Biology component of their degree. The new arrangement will provide the flexibility necessary to meet the Biochem majors' needs since we expect that several of our upper level courses will likely alternate with each other on our annual schedule.

We fully and enthusiastically support the proposal.

Sincerely,

Gregory B. Hecht, Ph.D.
Interim Chairperson
Associate Professor of Microbiology
& Molecular Biology
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ROWAN UNIVERSITY SENATE
COLLEGE CURRICULUM COMMITTEE WORKSHEET

PART I: INFORMATION								
COLLEGE NAME (circle one)	BUS	COM	ED	ENG	FPA	LAS-HUM	LAS-M/S X	LAS-SBS
Date of Hearing	3 March 2006							
Type of Hearing (circle one)	OPEN X	CLOSED						
SCC Proposal #	05 – 06 – 833							
Proposal Title	Two Changes to BS Biochemistry Degree Program							
Sponsor(s) in Attendance	Newland							
PART II: COMMON PROBLEMS REVIEWED						Sponsor's Initials	College Chairperson's Initials	
Consultation letters attached							DRK	
Library form completed by librarian (not sponsor)							DRK	
Prerequisites consistent (initial page and catalog description)							DRK	
Course title consistent throughout proposal							N/A	
Catalog description – on separate page – complete with HEGIS, credits, and prereqs (with HEGIS)							N/A	
All courses throughout proposal identified with correct title and HEGIS numbers							DRK	

PART III: COMMITTEE DECISION

- Pass with NO CHANGES
- Passed – Return to Sponsor for MINOR CHANGES
- Tabled w/SUGGESTED MINOR CHANGES
- NOT APPROVED

HEARING SUMMARY:
