Non-General Education ~ Curriculum Proposal

Library Resource Form Required

Deadlines
October 3, 2003 to be implemented Fall 2004 ~ February 13, 2004 to be implemented Spring 2005

Proposal Title: Biochemistry degree course restructure requirement

Sponsor(s): [Signature] Newland E-Mail: [Signature] Newland Ext: 452-2

Department: Chemistry or Biochemistry

College: CLAS

If Liberal Arts & Sciences CHECK: History/Humanities √ Math/Sciences ___ Social/Behavioral Sciences

___ Undergraduate ___ Graduate

The attached non-gen-ed proposal is best described by the item(s) checked

___ New non-gen-ed course

___ Minor curricular changes (fewer than three) to:

___ Existing non-gen-ed course

___ Non-gen-ed degree requirements

√ Major

___ Minor, specialization, concentration, track, certificate program

The following signatures represent approval

Department Chair: [Signature] Newland Date: 10/3/03

Department Curriculum Chair: [Signature] Newland Date: 10/3/03

Academic Dean: [Signature] Date: 10/3/03

College Curriculum Committee

Open Hearing Date: 12/4/03 Approved √ Not Approved

College Curriculum Chair: [Signature] Date: Senate Announcement 3-31-2004

Comments:

Executive Vice President/Provost Signature: Date: 1/25/04

Approved ___ Not Approved

Registrar Signature:

Date: 5/10/04 Course Description Received & Approved ~ Hegis Taxonomy & Course #:

Notification Forward

___ SCC Chair ___ Academic Dean ___ Department Chair ___ Registrar ___ IR ___ CAP

___ VP Student Affairs ___ Others

Trans: 5/12/04
Minor Curriculum Change Proposal

BS Biochemistry degree course grade requirements

Details

a. Change requested

From = No grade requirements above the normal University criteria.

To = Grade of C or better required in each of the following courses: Chemistry I & II [1906.100, 1906.101], (or Advanced Chemistry I & II [1906.105, 1906.106], Biology I & II [0401.100, 0401.102], Calculus I [1701.130], Calculus II [1701.131] (or Statistics I [1702.260]), Organic Chemistry I & II [1907.200, 1907.201], Physics (with calc) I & II [1902.200, 1902.201].

b. Sponsors

Robert Newland, Catherine Yang, Charles Schultz, Yun-Hwan Cha, Richard Frazee, George Leder, K. Ramanujachary.

Rationale

a. Need for change

The Department of Chemistry & Biochemistry wishes to make this change to ensure the core courses in the sciences and math are completed with a performance level that will help ensure future success in the major. The Department also wishes to have the degree requirements match those of the BS in Chemistry. This will permit students to transfer more easily from one degree program to the other.

b. Curricular effect

Students will be better prepared to complete the upper level requirements of the degree.

Consultation

a. The effect is entirely internal but consultation has taken place with the following Departments: Biological Sciences, Physics & Astronomy, Mathematics.
Department of Physics & Astronomy

Dr. Robert Newland  
Chair, Chemistry & Biochemistry  
Rowan University

Dr. Newland,

I have read and I endorse the proposal change in the BS Biochemistry degree course grade requirement from no grade requirement above the normal University criteria to grade C or better in Physics (with calc) I & II [1902.200, 1902.201].

I think the request is reasonable and would allow more flexibility for internal transfer of students in that program.

Sincerely,

Eduardo V. Flores  
Chair, Physics & Astronomy  
October 8, 2003
TO: Dr. Robert Newland, Chair Chemistry and Biochemistry
FROM: Dr. Patricia Mosto, Chair of Biological Sciences
RE: BS Biochemistry degree course grade requirements’ proposal
DATE: October 7, 2003

Members of my department and I have reviewed your course proposals for a BS Biochemistry degree course grade requirements, from: *No grade requirements above the normal University criteria*, to: *Grade of C or better required in each of the following courses: Chemistry I & II [1906.100, 1906.101], (or Advanced Chemistry I & II [1906.105, 1906.106], Biology I & II [0401.100, 0401.102], Calculus I [1701.130], Calculus II [1701.131] (or Statistics I [1702.260]), Organic Chemistry I & II [1907.200, 1907.201], Physics (with calc) I & II [1902.200, 1902.201].* We strongly endorse the proposal.

Please do not hesitate to contact me if I can be of further assistance.
Copy of email received from Ron Czochor concerning minor curriculum change.

Bob,

The proposal to change the degree requirements for the BS in Biochemistry to a C or better for Calculus I and II is understandable and appropriate and it has my support. I would also say that a C- demonstrates adequate preparation as well and would encourage you to consider reducing the requirement to a C- or better.

Ron Czochor, Chairman
Mathematics Department
Rowan University
Phone: 856.256.4845

Our response.

We did consider the C- grade but voted against accepting it. C earns GP of 2.0 while C- is only 1.7. We consider this a large change.
Rowan University  
CURRICULUM PROPOSAL  
LIBRARY RESOURCE FORM  
The purpose of this form is to provide a channel of communication between the library and faculty 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 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. THIS FORM MUST BE COMPLETED FOR ALL CURRICULUM PROPOSALS.

- The sponsor(s) complete parts A & B.  
  If assistance is required to complete parts A & B, please notify the liaison librarian.

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

This form must be completed and attached to the original curriculum proposal before being approved by the Senate Curriculum Committee.

A. College: LAS  
Department: Chem & Biochem  
Proposed by: D. Newhall  
Date: 10/3/03  
Course Title: none  
Anticipated Date for Course/Program Offering: NA

B. List specific resources that should be acquired to support this course.  
none

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.  
Science Direct, JDS Journal Package, ScienceDirect, numerous text, reference, studies

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

E. Librarian comments and recommendations: I recommend continuation of good liaison relations with the science librarian.

Name: LIBRARIAN LIASON  
Bill Gammelert  
Librarian Signature: William J. Haas
ROWAN UNIVERSITY SENATE
CURRICULUM COMMITTEE OPEN HEARING
WORKSHEET

Date: 03-04-2007

PROPOSAL SCC# 03-04-2007

TITLE: BSc Biotech degree course & grade requirements

Sponsors in Attendance: Charles Schultz

Pass with NO CHANGES

Passed – Return to Sponsor for MINOR CHANGES

Tabled w/SUGGESTED MINOR CHANGES

NOT APPROVED

HEARING SUMMARY:

Waiting for consultation support

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Minor Curriculum Change Proposal

BS Biochemistry degree course grade requirements

Introduction

The Department of Chemistry at [University Name] wishes to revise the requirements for the BS in Biochemistry degree. The proposed changes include: 

- Increased prerequisites
- Modified course requirements

The primary goal of these changes is to improve the educational experience and prepare students better for their future careers in the field of biochemistry.

Proposed Changes

1. **Increased Prerequisites**
   - Chemistry I & II (as currently required)
   - Organic Chemistry I & II

2. **Modified Course Requirements**
   - Biochemistry I & II
   - Molecular Biology
   - Cell Biology
   - Advanced Organic Chemistry

3. **Other Requirements**
   - Mathematics: Calculus I & II
   - Physics: General Physics

Conclusion

We believe these changes will enhance the educational experience for students pursuing the BS in Biochemistry. We welcome feedback from faculty, students, and alumni to ensure the best possible outcome.

[Signatures]

[Date]