

Change Undergraduate Course

000001

Change a Course

Subject: BIOL-Biology
Number: 3020
Effective Term: Fall 2016
Title: Invertebrate Biology

Honors Course:

Add Honors Course:

Last Term Course was taught: 201501

Brief Statement of Change Based on Assessment Results:

We have observed that students do much better when they take the lecture and lab together. Therefore, we request to make these two parts of the course corequisites of each other.

Rationale for Changing a Course

- Strengthen Program Requirement(s)
- Alignment of Student Learning Outcomes
- Alternative Delivery of Content
- Improve Time to Degree
- Evolution of the Discipline
- Changing Prerequisites
- Address DWF Rates
- General Education Modifications
- Other (Please specify.)

Change Prerequisite(s) / Corequisite(s)

From BIOL 1040 and 1060; or BIOL 1110. Preq. or concurrent enrollment: BIOL 3060
To BIOL 1040 and 1060; or BIOL 1110. Coreq: BIOL 3060

Form

User ID: rjksn **Name:** Robert Kosinski
Date: 02/08/2016 **Number:** 18145

000002 2/29/16

Robert J. Kosinski
Chair, Department Curriculum Committee Date

Robert Cohen
Department Chair Date

Robert J. Kosinski
Chair, College Curriculum Committee Date

Jr [Signature]
College Dean Date

Director, Calhoun Honors College Date

Josh D. Stiff
Chair, Undergraduate Curriculum Committee Date

Chair, Graduate Curriculum Committee Date

Robert G. Jones
Provost Date

President Date

Change Undergraduate Course

000003

Change a Course

Subject: BIOL-Biology
Number: 3060
Effective Term: Fall 2016
Title: Invertebrate Biology Lab

Honors Course:

Add Honors Course:

Last Term Course was taught: 201501

Brief Statement of Change Based on Assessment Results:

Students do better when they take the lecture and the lab together, so we wish to make these two parts of the course corequisites of each other.

Rationale for Changing a Course

- Strengthen Program Requirement(s)
- Alignment of Student Learning Outcomes
- Alternative Delivery of Content
- Improve Time to Degree
- Evolution of the Discipline
- Changing Prerequisites
- Address DWF Rates
- General Education Modifications
- Other (Please specify.)

Change Prerequisite(s) / Corequisite(s)

From BIOL 1040 and BIOL 1060; or BIOL 1110. Preq or concurrent enrollment: BIOL 3020
To Coreq: BIOL 3020

Form

User ID: rjksn **Name:** Robert Kosinski
Date: 02/29/2016 **Number:** 18146

Robert J. Kocinski 000004 2/29/16
Chair, Department Curriculum Committee Date

Robert Cohen 2/29/16
Department Chair Date

Robert J. Kocinski 3/10/16
Chair, College Curriculum Committee Date

Jr [Signature] 10 MAR 2016
College Dean Date

Director, Calhoun Honors College Date
John D. Hippi 4/1/2016
Chair, Undergraduate Curriculum Committee Date

Chair, Graduate Curriculum Committee Date
Robert W. Jones 6/20/16
Provost Date

President Date

Change Undergraduate Course

000005

Change a Course

Subject: BIOL-Biology
Number: 3510
Effective Term: Fall 2016
Title: Biological Anthropology

Honors Course:

Add Honors Course:

Last Term Course was taught: 201508

Brief Statement of Change Based on Assessment Results:

We want to add BIOL 1030/1050 as a possible prerequisite. This will open the course to larger number of students.

Rationale for Changing a Course

- Strengthen Program Requirement(s)
- Alignment of Student Learning Outcomes
- Alternative Delivery of Content
- Improve Time to Degree
- Evolution of the Discipline
- Changing Prerequisites
- Address DWF Rates
- General Education Modifications
- Other (Please specify.)

Change Prerequisite(s) / Corequisite(s)

From ANTH 2010 or BIOL 1100
To ANTH 2010 or BIOL 1100 or (BIOL 1030 and 1050)

Form

User ID: rjksn **Name:** Robert Kosinski
Date: 02/29/2016 **Number:** 18150

Robert J. Kowalski

000006 2/29/16

Chair, Department Curriculum Committee

Date

Robert Cohen

2/29/16

Department Chair

Date

Robert J. Kowalski

3/10/16

Chair, College Curriculum Committee

Date

J. [Signature]

10 mar 2016

College Dean

Date

Director, Calhoun Honors College

Date

John D. Wiffi

4/1/2016

Chair, Undergraduate Curriculum Committee

Date

Chair, Graduate Curriculum Committee

Date

Robert W. Jones

6/20/16

Provost

Date

President

Date

Change Undergraduate Course

000007

Change a Course

Subject: BIOL-Biology
Number: 3940
Effective Term: Fall 2016
Title: Sel Topics in Creative Inq I

Honors Course:

Add Honors Course:

Last Term Course was taught: 201508

Brief Statement of Change Based on Assessment Results:

BIOL 3940 is repeatable for a maximum of 6 credits. We wish to increase this credit cap to 24 because students are engaging in long-term research projects and are routinely asking to exceed the present cap.

Rationale for Changing a Course

- Strengthen Program Requirement(s)
- Alignment of Student Learning Outcomes
- Alternative Delivery of Content
- Improve Time to Degree
- Evolution of the Discipline
- Changing Prerequisites
- Address DWF Rates
- General Education Modifications
- Other (Please specify.)

We wish to increase the cap on the number of credits for which the course can be taken.

Honors

- Honors Students Only?
- Honors sections allowed to be offered?

Change Course Modifier

From	To
<input type="checkbox"/> Variable Title	<input type="checkbox"/> Variable Title
<input type="checkbox"/> Creative Inquiry	<input type="checkbox"/> Creative Inquiry
<input checked="" type="checkbox"/> Repeatable	<input checked="" type="checkbox"/> Repeatable
Max Credits: 6	Max Credits: 24

Learning Objectives

No change

Topical Outline

No change

Add course requirements for honors courses (if applicable)

No change in Honors requirements. We wish the change in the credit hour cap to apply to Honors sections too.

Evaluation

Undergraduate

A	90	-	100
B	80	-	89
C	70	-	79
D	60	-	69
F	<		60

No change

Syllabus

Upload File: BIOL 3940 Syllabus-20160224181657.pdf

[Empty box]

Form

User ID: rjksn **Name:** Robert Kosinski

Date: 02/24/2016 **Number:** 19074

000008

Robert J. Kowinski
Chair, Department Curriculum Committee

2/29/16
000009 Date

Robert Cohen
Department Chair

2/29/16
Date

Robert J. Kowinski
Chair, College Curriculum Committee

3/10/16
Date

Jr CB
College Dean

10 MAR 2016
Date

Director, Calhoun Honors College

Date

John D. Whiffi
Chair, Undergraduate Curriculum Committee

4/1/2016
Date

Chair, Graduate Curriculum Committee

Date

Robert W. Jones
Provost

6/20/16
Date

President

Date

Change Undergraduate Course

Change a Course

Subject: BIOL-Biology
 Number: 4010
 Effective Term: Fall 2016
 Title: Plant Physiology

Honors Course:

Add Honors Course:

Last Term Course was taught: 201501

Brief Statement of Change Based on Assessment Results:

We wish students to be able to take the lab (BIOL 4020) during or after the lecture, but not before the lecture. BIOL 4020 does not have to be changed because it already has BIOL 4010 as a prerequisite or concurrent enrollment.

Rationale for Changing a Course

- Strengthen Program Requirement(s)
- Alignment of Student Learning Outcomes
- Alternative Delivery of Content
- Improve Time to Degree
- Evolution of the Discipline
- Changing Prerequisites
- Address DWF Rates
- General Education Modifications
- Other (Please specify.)

Change Prerequisite(s) / Corequisite(s)

From Preq: BIOL 1040 and BIOL 1060; or BIOL 1110; and CH 1020. Preq or concurrent enrollment: BIOL 4020
To Preq: BIOL 1040 and BIOL 1060; or BIOL 1110; and CH 1020.

Form

User ID: rjksn Name: Robert Kosinski
 Date: 02/29/2016 Number: 18148

Robert J. Kasinski 3/23/16
Chair, Department Curriculum Committee Date

Robert Cohen 2/29/16
Department Chair Date

Robert J. Kasinski 3/10/16
Chair, College Curriculum Committee Date

Jr CB 10 MAR 2016
College Dean Date

Director, Calhoun Honors College Date

John D. Hippi 4/1/2016
Chair, Undergraduate Curriculum Committee Date

Chair, Graduate Curriculum Committee Date

Robert W. Jones 6/20/16
Provost Date

President Date

Change Undergraduate Course

000012

Change a Course

Subject: BIOL-Biology

Number: 4100

Effective Term: Fall 2016

Title: Limnology

Honors Course:

Add Honors Course:

Last Term Course was taught: 201501

Brief Statement of Change Based on Assessment Results:

Many Engineering students want to take Limnology, but require overrides because they usually have not taken an introductory biology course. The lack of introductory biology does not pose a barrier to these students, so we wish to remove this prerequisite. However, more mature students do better in the course, so we also wish to add a prerequisite of Junior standing.

Rationale for Changing a Course

- Strengthen Program Requirement(s)
- Alignment of Student Learning Outcomes
- Alternative Delivery of Content
- Improve Time to Degree
- Evolution of the Discipline
- Changing Prerequisites
- Address DWF Rates
- General Education Modifications
- Other (Please specify.)

Change Prerequisite(s) / Corequisite(s)

From BIOL 1040 and 1060, or BIOL 1110
To Junior standing

Form

User ID: rjksn **Name:** Robert Kosinski

Date: 03/21/2016 **Number:** 19250

Robert J. Kaurinski 0999013
Chair, Department Curriculum Committee Date

Robert Cohen 2/29/16
Department Chair Date

Robert J. Kaurinski 3/10/16
Chair, College Curriculum Committee Date

J. C. 10 mar 2016
College Dean Date

John D. Hillfi 4/1/2016
Director, Calhoun Honors College Date

Chair, Undergraduate Curriculum Committee Date

Chair, Graduate Curriculum Committee Date

Robert H. Jones 6/20/16
Provost Date

President Date

Change Undergraduate Course

Change a Course

Subject: BIOL-Biology

Number: 4200

Effective Term: Fall 2016

Title: Neurobiology

Honors Course:

Add Honors Course:

Last Term Course was taught: 201508

Brief Statement of Change Based on Assessment Results:

Experience shows that successful students in this course have to have maturity plus a background in cell biology and the physics of electricity. We wish to add prerequisites of BIOL 4610 (Cell Biology) and PHYS 2080 (General Physics II).

Rationale for Changing a Course

- Strengthen Program Requirement(s)
- Alignment of Student Learning Outcomes
- Alternative Delivery of Content
- Improve Time to Degree
- Evolution of the Discipline
- Changing Prerequisites
- Address DWF Rates
- General Education Modifications
- Other (Please specify.)

Change Prerequisite(s) / Corequisite(s)

From Preq: BIOL 1040 and BIOL 1060; or BIOL 1110
To Preq: BIOL 1040 and BIOL 1060, or BIOL 1110; BIOL 4610. Preq or concurrent enrollment: PHYS 2080

Form

User ID: rjksn **Name:** Robert Kosinski

Date: 02/19/2016 **Number:** 18865

Robert J. Kasinski
Chair, Department Curriculum Committee

~~2/29/15~~
Date

Robert Cohen
Department Chair

2/29/16
Date

Robert J. Kasinski
Chair, College Curriculum Committee

3/10/16
Date

Jr CB
College Dean

10 MAR 2016
Date

Director, Calhoun Honors College
John D. Wilfong

Date

4/1/2016
Date

Chair, Undergraduate Curriculum Committee

Chair, Graduate Curriculum Committee

Date

Robert W. Jones
Provost

6/20/16
Date

President

Date

Change Undergraduate Course

000016

Change a Course

Subject: BIOL-Biology
Number: 4910
Effective Term: Fall 2016
Title: Undergrad Research in Biol Sci

Honors Course:

Add Honors Course:

Last Term Course was taught: 201508

Brief Statement of Change Based on Assessment Results:

BIOL 4910 is repeatable for a maximum of 8 credits. We wish to increase this credit cap to 24 because students are engaging in long-term research projects and are routinely asking to exceed the present cap.

Rationale for Changing a Course

- Strengthen Program Requirement(s)
- Alignment of Student Learning Outcomes
- Alternative Delivery of Content
- Improve Time to Degree
- Evolution of the Discipline
- Changing Prerequisites
- Address DWF Rates
- General Education Modifications
- Other (Please specify.)

We wish to increase the cap on the number of credits for which the course can be taken.

Honors

- Honors Students Only?
- Honors sections allowed to be offered?

Change Course Modifier

From	To
<input type="checkbox"/> Variable Title	<input type="checkbox"/> Variable Title
<input type="checkbox"/> Creative Inquiry	<input type="checkbox"/> Creative Inquiry
<input checked="" type="checkbox"/> Repeatable	<input checked="" type="checkbox"/> Repeatable
Max Credits: 8	Max Credits: 24

Learning Objectives

No change

Topical Outline

No change

Add course requirements for honors courses (if applicable)

No change in Honors requirements. We wish the change in the credit hour cap to apply to Honors sections too.

Evaluation

Undergraduate

A	90	-	100
B	80	-	89
C	70	-	79
D	60	-	69
F	<		60

No change

Syllabus

Upload File: BIOL 4910 Syllabus-20160224174903.pdf

Description: Sample BIOL 4910 Syllabus

000017

Form

User ID: rjksn **Name:** Robert Kosinski

Date: 02/24/2016 **Number:** 19071

Robert J. Kowinski 2/22/16
Chair, Department Curriculum Committee Date

Robert Cohen 2/29/16
Department Chair Date

Robert J. Kowinski 3/10/16
Chair, College Curriculum Committee Date

J. B. 10 MAR 2016
College Dean Date

Director, Calhoun Honors College Date

John D. Stiff 4/1/2016
Chair, Undergraduate Curriculum Committee Date

Chair, Graduate Curriculum Committee Date

Robert Y. Jones 6/20/16
Provost Date

President Date

Change Undergraduate Course

000019

Change a Course

Subject: BIOL-Biology
Number: 4930
Effective Term: Fall 2016
Title: Senior Seminar

Honors Course:

Add Honors Course:

Last Term Course was taught: 201508

Brief Statement of Change Based on Assessment Results:

Seminars are on varied topics, depending on the interests of the faculty member. We wish to make our seminar courses variable-title so the subject matter will be apparent on the student's transcript.

Rationale for Changing a Course

- Strengthen Program Requirement(s)
- Alignment of Student Learning Outcomes
- Alternative Delivery of Content
- Improve Time to Degree
- Evolution of the Discipline
- Changing Prerequisites
- Address DWF Rates
- General Education Modifications
- Other (Please specify.)

Allow subject matter to appear on the student's transcript.

Change Course Modifier

From To

- ~~Variable Title~~ Variable Title
- Creative Inquiry Creative Inquiry
- Repeatable Repeatable

Learning Objectives

Students will learn to analyze and discuss current research literature, make defensible claims backed by experimental evidence, make scientific presentations, and act according to scientific ethical norms.

Topical Outline

The topical outline would vary with the subject matter. We have attached an outline of a seminar course on stem cells.

Evaluation

Undergraduate

A 90 - 100
B 80 - 89
C 70 - 79
D 60 - 69
F < 60

In the example seminar attached, the grade is based 50% on an oral presentation and 50% on a research paper. Both of these were on the same topic, which must also have an ethical dimension.

Syllabus

Upload File: BIOL 4930 Syllabus-20160219174154.pdf

Description: BIOL 4930 Syllabus on a stem cell seminar

Form

User ID: rjksn **Name:** Robert Kosinski

Date: 02/19/2016 **Number:** 18863

000020

Robert J. Kosinski
Chair, Department Curriculum Committee

~~2/29/2016~~
Date

Robert Cohen
Department Chair

2/29/16
Date

Robert J. Kosinski
Chair, College Curriculum Committee

3/10/16
Date

J. B.
College Dean

10 MAR 2016
Date

Director, Calhoun Honors College

Date

John D. Hillfi
Chair, Undergraduate Curriculum Committee

4/1/2016
Date

Chair, Graduate Curriculum Committee

Date

Robert Y. Jones
Provost

6/20/16
Date

President

Date

Change Undergraduate Course

000022

Change a Course

Subject: BIOL-Biology
Number: 4940
Effective Term: Fall 2016
Title: Sel Topics in Creative Inq II

Honors Course:

Add Honors Course:

Last Term Course was taught: 201508

Brief Statement of Change Based on Assessment Results:

BIOL 4940 is repeatable for a maximum of 6 credits. We wish to increase this credit cap to 24 because students are engaging in long-term research projects and are routinely asking to exceed the present cap.

Rationale for Changing a Course

- Strengthen Program Requirement(s)
- Alignment of Student Learning Outcomes
- Alternative Delivery of Content
- Improve Time to Degree
- Evolution of the Discipline
- Changing Prerequisites
- Address DWF Rates
- General Education Modifications
- Other (Please specify.)

We wish to increase the cap on the number of credits for which the course can be taken.

Honors

- Honors Students Only?
- Honors sections allowed to be offered?

Change Course Modifier

From	To
<input type="checkbox"/> Variable Title	<input type="checkbox"/> Variable Title
<input type="checkbox"/> Creative Inquiry	<input type="checkbox"/> Creative Inquiry
<input checked="" type="checkbox"/> Repeatable	<input checked="" type="checkbox"/> Repeatable
Max Credits: 6	Max Credits: 24

Learning Objectives

No change

Topical Outline

No change

Add course requirements for honors courses (if applicable)

No change in Honors requirements. We wish the change in the credit hour cap to apply to Honors sections too.

Evaluation

Undergraduate

A	90	-	100
B	80	-	89
C	70	-	79
D	60	-	69
F	<		60

No change

Syllabus

Upload File: BIOL 4940 Syllabus-20160224180818.pdf

Description: Sample BIOL 4940 Syllabus

000023

Form

User ID: rjksn **Name:** Robert Kosinski

Date: 02/24/2016 **Number:** 19072

Robert J. Kosinski
Chair, Department Curriculum Committee

2/29/16
Date

Robert Cohen
Department Chair

2/29/16
Date

Robert J. Kosinski
Chair, College Curriculum Committee

3/10/16
Date

J. [Signature]
College Dean

10 mar 2016
Date

Director, Calhoun Honors College

Date

John D. Hillfi
Chair, Undergraduate Curriculum Committee

4/1/2016
Date

Chair, Graduate Curriculum Committee

Date

Robert W. Jones
Provost

6/20/16
Date

President

Date

Change Major

Major Name: Biological Sciences

Degree: Bachelor of Arts

Effective Catalog Year: 2017-2018

 Change Major Name to: BIOS Change Degree to: Bachelor of Arts Change Curriculum Requirements Change General Education Requirements Add, Change, or Delete Concentration(s) Add, Change, or Delete Emphasis Area(s)Curriculum Map: BIOSC BA PREREHAB Feb 2016_3-20160229112604.doc

Description: Bio Sci Prerehab Emphasis Area Map

Additional Information:

Description:

Summary/Explanation

This change applies to our Prerehabilitation Sciences Emphasis Area only. We wish to delete the overly-restrictive Prerehabilitation Requirement (footnote 16) and replace it with a broader elective requirement that covers a more diverse group of students. Also, because Exercise Physiology (BIOL 4780) is now only taught every second year, and has an anatomy and physiology prerequisite, we wish to broaden our anatomy and physiology requirement and allow students to take either BIOL 3150/3160 or BIOL 2220/2230. BIOL 3150/3160 has a prerequisite of junior standing, and so some students might reach their senior year in a year in which Exercise Physiology was not being taught. We will encourage students who need Exercise Physiology to take BIOL 2220/2230 in their sophomore year. New material is bolded on the attached curriculum map.

Rationale for Change Major

- Strengthen Program Requirement(s)
- Alignment of Student Learning Outcomes
- Alternative Delivery of Content
- Improve Time to Degree
- Evolution of the Discipline
- Changing Prerequisites
- Address DWF Rates
- General Education Modifications
- Other (Please specify.)

Form

User ID: rjksn Name: Robert Kosinski

Date: 02/29/2016 Number: 18850

**Proposed B. A. BIOLOGICAL SCIENCES 2017-2018
PREREHABILITATION SCIENCES EMPHASIS**

FRESHMAN YEAR

First Semester

Second Semester

BIOL 1010 Frontiers in Biol. I	1(1,0)
BIOL 1030 General Biology I ¹ and	3(3,0)
BIOL 1050 General Biology I Lab	1(0,3)
CH 1010 General Chemistry	4(3,3)
MATH 1060 Cal. of One Var. I	4(4,0)
Oral Communication Requirement ²	<u>3</u>
	16

BIOL 1040 General Biology II ¹ and	3(3,0)
BIOL 1060 General Biology II Lab	1(0,3)
CH 1020 General Chemistry	4(3,3)
ENGL 1030 Accelerated Composition	3(3,1)
Statistics Requirement ³	<u>3</u>
	14

SOPHOMORE YEAR⁴

CH 2230 Organic Chemistry and	3(3,0)
CH 2270 Organic Chemistry Lab ^{5,6}	1(0,3)
GEN 3000 Fundamental Genetics ⁷	3(3,0)
Modern Language Requirement ⁸	4
Organismal Diversity Requirement ⁹	<u>4</u>
	15

BCHM 3050 Essential Elements of Bioch. ¹⁰	3(3,0)
PSYC 2010 Introduction to Psychology	3(3,0)
Arts and Humanities (Literature) Req. ¹¹	3
Modern Language Requirement ⁸	4
Social Science Requirement ¹¹	<u>3</u>
	16

JUNIOR YEAR

BIOL 3150 Functional Human Anatomy ⁴	4(3,3)
BIOL 3350 Evolutionary Biology	3(3,0)
BIOL 4610 Cell Biology	3(3,0)
BIOL 4620 Cell Biology Laboratory	2(1,2)
Modern Language Requirement ⁸	<u>3</u>
	15

BIOL 3160 Human Physiology ⁴	4(3,3)
Arts and Humanities (Non-Lit) Req. ¹¹	3
Modern Language Requirement ⁸	3
Minor Requirement ¹²	<u>6</u>
	16

SENIOR YEAR

BIOL 4930 Senior Seminar or	2(2,0)
MICR 4930 Senior Seminar	2(2,0)
ENGL 3150 Scientific Writing and Comm ¹³	3(3,0)
PHYS 2070 General Physics I ¹⁴	3(3,0)
PHYS 2090 General Physics I Lab ¹⁴	1(0,2)
Ecology Requirement ¹⁵	3
Minor Requirement ¹²	<u>3</u>
	15

PHYS 2080 General Physics II ¹⁶	3(3,0)
PHYS 2100 General Physics II Lab ¹⁶	1(0,2)
Minor Requirement ¹²	6
Elective ¹⁷	<u>5</u>
	15

Total Semester Hours = 122

¹ Rehabilitation programs require BIOL 1030/1050 and BIOL 1040/1060, or equivalent; however, BIOL 1100 and 1110 may substitute.

² See General Education Requirements.

³ STAT 2300 or other approved coursework. See advisor. Professional schools have different mathematics requirements.

⁴ **Students applying to professional schools that require a course in exercise physiology may substitute BIOL 2220 and 2230 for BIOL 3150 and 3160 during their sophomore year.**

⁵ CH 2010 Survey of Organic Chemistry and CH 2020 Survey of Organic Chemistry may substitute.

⁶ Most professional health sciences schools require two semesters of organic chemistry with laboratory, CH 2230/2270 and 2240/2280.

⁷ GEN 3020 may substitute.

⁸ Students must complete through 2020 in a modern language. See Modern Languages Requirement at Clemson University statement on page 29.

⁹ At least one lecture and associated laboratory selected from BIOL 3010, 3020/3060, 3030/3070, 3040/3080, 3200, 4060/4070, and 4250/4260.

¹⁰ BCHM 3010 may substitute.

¹¹ See General Education Requirements. Six of these credit hours must also satisfy the Cross-Cultural Awareness and the Science and Technology in Society Requirements.

¹² See page 63 in the Undergraduate Announcements for approved minors. Psychology is recommended. The Medical University of South Carolina and other Rehabilitation Sciences programs require PSYC 2010 and 3830.

¹³ ENGL 3140 may substitute.

¹⁴ PHYS 1220/1240 may substitute.

¹⁵ At least one course selected from BIOL 4100, 4410, 4420, 4430, 4460, 4700, MICR 4010, or 4030.

¹⁶ PHYS 2210/2230 may substitute.

¹⁷ **These hours should be used to satisfy specific prerequisite requirements for your professional school program. For example, some PT and OT schools require exercise physiology, medical terminology, abnormal psychology, and/or lifespan development courses. MICR 3050 is recommended for PA programs.**

Physical Therapy

*Occ. Therap.
Physician
Asst.*

Change a Course

Subject: MICR-Microbiology

Number: 2050

Effective Term: Fall 2016

Title: Introductory Micro

Honors Course:

Add Honors Course:

Last Term Course was taught: 201508

Brief Statement of Change Based on Assessment Results:

Nursing students, one of the major clientele of this course, do not take two semesters of introductory biology. Therefore, we wish to eliminate from the prerequisites BIOL 1110, the second course in our two-semester majors introductory sequence. We wish to require one semester of introductory biology plus lab for both the majors and the non-majors biology sequences.

Rationale for Changing a Course

- Strengthen Program Requirement(s)
- Alignment of Student Learning Outcomes
- Alternative Delivery of Content
- Improve Time to Degree
- Evolution of the Discipline
- Changing Prerequisites
- Address DWF Rates
- General Education Modifications
- Other (Please specify.)

Change Prerequisite(s) / Corequisite(s)

From CH 1010; and one of the following combinations: BIOL 1030 and BIOL 1050; or BIOL 1100 and BIOL 1110.
Coreq: MICR 2051

To CH 1010; and one of the following combinations: BIOL 1030 and BIOL 1050; or BIOL 1100. Coreq: MICR 2051

Form

User ID: rjksn **Name:** Robert Kosinski

Date: 02/29/2016 **Number:** 18299

Robert J. Kasinski 2/26/29
Chair, Department Curriculum Committee Date

Robert Cohen 2/29/16
Department Chair Date

Robert J. Kasinski 3/16/16
Chair, College Curriculum Committee Date

Jr CB 10 MAR 2016
College Dean Date

John D. Hillfi 4/1/2016
Chair, Undergraduate Curriculum Committee Date

Robert W. Jones 6/20/16
Provost Date

President Date

Change Undergraduate Course

Change a Course

Subject: MICR-Microbiology
Number: 3050
Effective Term: Fall 2016
Title: General Microbiology

Honors Course:

Add Honors Course:

Last Term Course was taught: 201508

Brief Statement of Change Based on Assessment Results:

Because students enrolling in MICR 3050 frequently don't have the CH 1020 prerequisite, we want to remove that, but add the condition that the course requires sophomore standing. Also, we wish to allow students to take any combination of the majors and non-majors first and second semester courses, as long as they have had two semesters of introductory biology.

Rationale for Changing a Course

- Strengthen Program Requirement(s)
- Alignment of Student Learning Outcomes
- Alternative Delivery of Content
- Improve Time to Degree
- Evolution of the Discipline
- Changing Prerequisites
- Address DWF Rates
- General Education Modifications
- Other (Please specify.)

Change Prerequisite(s) / Corequisite(s)

From CH 1010 and CH 1020; and one of the following combinations: (BIOL 1030 and BIOL 1040 and BIOL 1050 and BIOL 1060) or (BIOL 1100 and BIOL 1110). Coreq: BIOL 3051
To Sophomore standing and CH 1010; and (BIOL 1030 and 1050 or BIOL 1100) and (BIOL 1040 and 1060 or BIOL 1110). Coreq: BIOL 3051

Form

User ID: rjksn **Name:** Robert Kosinski
Date: 02/09/2016 **Number:** 18300

Robert J. Kaminicki 2/29/2016
Chair, Department Curriculum Committee Date

Robert Cohen 2/29/16
Department Chair Date

Robert J. Kaminicki 3/10/16
Chair, College Curriculum Committee Date

JW CB 10 Mar 2016
College Dean Date

Director, Calhoun Honors College Date

John D. Stiffi 4/1/2016
Chair, Undergraduate Curriculum Committee Date

Chair, Graduate Curriculum Committee Date

Robert W Jones 6/20/16
Provost Date

President Date

Change Undergraduate Course

Change a Course

Subject: MICR-Microbiology

Number: 3940

Effective Term: Fall 2016

Title: Creative Inquiry I

Honors Course:

Add Honors Course:

Last Term Course was taught: 201508

Brief Statement of Change Based on Assessment Results:

MICR 3940 is repeatable for a maximum of 6 credits. We wish to increase this credit cap to 24 because students are engaging in long-term research projects and are routinely asking to exceed the present cap.

Rationale for Changing a Course

- Strengthen Program Requirement(s)
- Alignment of Student Learning Outcomes
- Alternative Delivery of Content
- Improve Time to Degree
- Evolution of the Discipline
- Changing Prerequisites
- Address DWF Rates
- General Education Modifications
- Other (Please specify.)

We wish to increase the cap on the number of credits for which the course can be taken.

Honors

- Honors Students Only?
- Honors sections allowed to be offered?

Change Course Modifier

From	To
<input type="checkbox"/> Variable Title	<input type="checkbox"/> Variable Title
<input type="checkbox"/> Creative Inquiry	<input type="checkbox"/> Creative Inquiry
<input checked="" type="checkbox"/> Repeatable	<input checked="" type="checkbox"/> Repeatable
Max Credits: 6	Max Credits: 24

Learning Objectives

No change

Topical Outline

No change

Add course requirements for honors courses (if applicable)

No change in Honors requirements. We wish the change in the credit hour cap to apply to Honors sections too.

Evaluation

Undergraduate	
A	90 - 100
B	80 - 89
C	70 - 79
D	60 - 69
F	< 60
No change	

Syllabus

Upload File: MICR 3940 Syllabus-20160224182430.pdf

Description: Sample MICR 3940 Syllabus

000033

Form

User ID: rjksn **Name:** Robert Kosinski

Date: 02/24/2016 **Number:** 19078

Robert J. Kowinski 2/29/16
Chair, Department Curriculum Committee Date

Robert Cohen 2/29/16
Department Chair Date

Robert J. Kowinski 3/10/16
Chair, College Curriculum Committee Date

Jr CB 10 MAR 2016
College Dean Date

John D. Hoff 4/1/2016
Director, Calhoun Honors College Date

Chair, Undergraduate Curriculum Committee Date

Chair, Graduate Curriculum Committee Date

Robert W. Jones 6/20/16
Provost Date

President Date

Change Undergraduate Course

000035

Change a Course

Subject: MICR-Microbiology
Number: 4910
Effective Term: Fall 2016
Title: Undergrad Research in Micro

Honors Course:

Add Honors Course:

Last Term Course was taught: 201508

Brief Statement of Change Based on Assessment Results:

MICR 4910 is repeatable for a maximum of 8 credits. We wish to increase this credit cap to 24 because students are engaging in long-term research projects and are routinely asking to exceed the present cap.

Rationale for Changing a Course

- Strengthen Program Requirement(s)
- Alignment of Student Learning Outcomes
- Alternative Delivery of Content
- Improve Time to Degree
- Evolution of the Discipline
- Changing Prerequisites
- Address DWF Rates
- General Education Modifications
- Other (Please specify.)

We wish to increase the cap on the number of credits for which the course can be taken.

Honors

- Honors Students Only?
- Honors sections allowed to be offered?

Change Course Modifier

From	To
<input type="checkbox"/> Variable Title	<input type="checkbox"/> Variable Title
<input type="checkbox"/> Creative Inquiry	<input type="checkbox"/> Creative Inquiry
<input checked="" type="checkbox"/> Repeatable	<input checked="" type="checkbox"/> Repeatable
Max Credits: 8	Max Credits: 24

Learning Objectives

No change

Topical Outline

No change

Add course requirements for honors courses (if applicable)

No change. We wish the increase in the credit cap to apply to Honors courses too.

Evaluation

Undergraduate

A	90	-	100
B	80	-	89
C	70	-	79
D	60	-	69
F	<		60

No change

Syllabus

Upload File: MICR 4910 Syllabus-20160224183557.pdf

Description: MICR 4910 Syllabus

000036

Form

User ID: rjksn **Name:** Robert Kosinski

Date: 02/24/2016 **Number:** 19081

Robert J. Kocinski
Chair, Department Curriculum Committee

2/29/16
Date

Robert Cohen
Department Chair

3/10/16
Date

Robert J. Kocinski
Chair, College Curriculum Committee

3/10/16
Date

J. C.
College Dean

10 MAR 2016
Date

Director, Calhoun Honors College

Date

John D. Stiffi

4/1/2016

Chair, Undergraduate Curriculum Committee

Date

Chair, Graduate Curriculum Committee

Date

Robert W. Jones

6/20/16

Provost

Date

President

Date

Change Undergraduate Course

000038

Change a Course

Subject: MICR-Microbiology

Number: 4930

Effective Term: Fall 2016

Title: Senior Seminar

Honors Course:

Add Honors Course:

Last Term Course was taught: 201508

Brief Statement of Change Based on Assessment Results:

Microbiology seminars cover varied topics determined by the interests of the faculty. We wish to change the course to variable title so the students can choose a seminar course that fits their interests.

Rationale for Changing a Course

- Strengthen Program Requirement(s)
- Alignment of Student Learning Outcomes
- Alternative Delivery of Content
- Improve Time to Degree
- Evolution of the Discipline
- Changing Prerequisites
- Address DWF Rates
- General Education Modifications
- Other (Please specify.)

We wish to display the subject matter of the seminar by making it a variable-title course.

Change Course Modifier

From	To
<input checked="" type="checkbox"/> Variable Title	<input checked="" type="checkbox"/> Variable Title
<input type="checkbox"/> Creative Inquiry	<input type="checkbox"/> Creative Inquiry
<input type="checkbox"/> Repeatable	<input type="checkbox"/> Repeatable

Learning Objectives

Students will learn to analyze and discuss current research literature, make defensible claims backed by experimental evidence, make scientific presentations, and act according to scientific ethical norms.

Topical Outline

The topical outline would vary with the subject matter. We have attached an outline of a seminar course on how microbes respond to human impacts on the world.

Evaluation

Undergraduate

A 90 - 100

B 80 - 89

C 70 - 79

D 60 - 69

F < 60

In the example attached, the grade will be determined as follows: 20% by presentation of an article, 15% by the student's service as a discussion leader, 25% by homework and quizzes, 15% by participation, and 25% by a capstone project.

Syllabus

Upload File: MICR 4930 Syllabus-20160224162510.pdf

Description: Sample Syllabus for MICR 4930

000039

Form

User ID: rjksn **Name:** Robert Kosinski

Date: 02/24/2016 **Number:** 19069

Robert J. Kasinski
Chair, Department Curriculum Committee

2990040
Date

Robert Cohen
Department Chair

2/29/16
Date

Robert J. Kasinski
Chair, College Curriculum Committee

3/10/16
Date

J. C.
College Dean

10 MAR 2016
Date

Director, Calhoun Honors College

Date

John D. Hillfi
Chair, Undergraduate Curriculum Committee

4/1/2016
Date

Chair, Graduate Curriculum Committee

Date

Robert W. Jones
Provost

6/20/16
Date

President

Date

Change Undergraduate Course

Change a Course

Subject: MICR-Microbiology
Number: 4940
Effective Term: Fall 2016
Title: Sel Topics in Creative Inq II

Honors Course:

Add Honors Course:

Last Term Course was taught: 201508

Brief Statement of Change Based on Assessment Results:

MICR 4940 is repeatable for a maximum of 6 credits. We wish to increase this credit cap to 24 because students are engaging in long-term research projects and are routinely asking to exceed the present cap.

Rationale for Changing a Course

- Strengthen Program Requirement(s)
 Alignment of Student Learning Outcomes
 Alternative Delivery of Content
 Improve Time to Degree
 Evolution of the Discipline
 Changing Prerequisites
 Address DWF Rates
 General Education Modifications
 Other (Please specify.)

We wish to increase the cap on the number of credits for which the course can be taken.

Honors

- Honors Students Only?
 Honors sections allowed to be offered?

Change Course Modifier

From	To
<input type="checkbox"/> Variable Title	<input type="checkbox"/> Variable Title
<input type="checkbox"/> Creative Inquiry	<input type="checkbox"/> Creative Inquiry
<input checked="" type="checkbox"/> Repeatable	<input checked="" type="checkbox"/> Repeatable
Max Credits: 6	Max Credits: 24

Learning Objectives

No change

Topical Outline

No change

Add course requirements for honors courses (if applicable)

No change in Honors requirements. We wish the change in the credit cap to apply to Honors sections too.

Evaluation

Undergraduate

A 90 - 100
B 80 - 89
C 70 - 79
D 60 - 69
F < 60

No change

Syllabus

Upload File: MICR 4940 Syllabus-20160224183029.pdf

Description: MICR 4940 Syllabus

000042

Form

User ID: rjksn **Name:** Robert Kosinski

Date: 02/24/2016 **Number:** 19080

2, 29, 16 Date

Robert J. Kosinski

Chair, Department Curriculum Committee

Robert Cohen

2/29/16 Date

Department Chair

Robert J. Kosinski

3/10/16 Date

Chair, College Curriculum Committee

Jv CB

10 mar 2016 Date

College Dean

Director, Calhoun Honors College

Date

John D. Hill

4/1/2016 Date

Chair, Undergraduate Curriculum Committee

Date

Chair, Graduate Curriculum Committee

Date

Robert T. Jones

6/26/16 Date

Provost

Date

President

Date

Change Major

Major Name: Prepharmacy

Degree: Non-Degree

Effective Catalog Year: 2017-2018

 Change Major Name to: PRPH Change Degree to: Non-Degree Change Curriculum Requirements Change General Education Requirements Add, Change, or Delete Concentration(s) Add, Change, or Delete Emphasis Area(s)

Curriculum Map: PREPHARMACY Catalog Format-20160219165803.docx

Description: Prepharm Non-Degree 2017-2018

Additional Information:

Description:

Summary/Explanation

This two-year program has not been changed in many years, and we wish to make it more flexible and spread the workload from the first two years into the third year. The specific changes are detailed on the attached curriculum map. In the first semester, we wish to move the Arts and Humanities (Non-Lit) requirement out and add that either the BIOL 1030/1050-1040/1060 sequence or the BIOL 1100-1110 sequence are acceptable. In the second semester, we wish to make the economic requirement more flexible and delete an elective. In the third semester, we ask to convert the History or Philosophy requirement to a general Arts and Humanities (Non-Lit) requirement, and allow two options for the anatomy and physiology sequence. We will also add in the Arts and Humanities (Non-Lit) requirement from the first semester. In the fourth semester, we repeat the options for anatomy and physiology, move the Oral Communication requirement to a footnote, and move the STS requirement out. Finally, in the fifth semester, we insert the displaced Arts and Humanities (Lit) requirement and the STS requirement. As a result of these changes, footnotes had to be renumbered. Finally, we wish to modify the introductory text for the program as follows: "The three-year Prepharmacy program requires 72-90 credit hours, depending on the pharmacy school of interest. Students in this program typically apply to a college of pharmacy upon completion of their second year. Upon completion of the program and one year at an accredited pharmacy school, students may be eligible to apply for the Bachelor of Science in Preprofessional Studies. The professional institution awards the degree in Pharmacy. It is important for students to work closely with their advisor, as there are variations in courses required by the pharmacy schools. For financial aid purposes, students in the Prepharmacy program are considered to be enrolled in a degree-seeking program."

Rationale for Change Major Strengthen Program Requirement(s) Alignment of Student Learning Outcomes Alternative Delivery of Content Improve Time to Degree Evolution of the Discipline Changing Prerequisites Address DWF Rates General Education Modifications Other (Please specify.)**Form**

User ID: rjksn

Name: Robert Kosinski

Date: 02/19/2016 Number:

000045
2/29/16

Robert J. Kosinski

Chair, Department Curriculum Committee

Date

Robert Cohen

Department Chair

Date

2/29/16

Robert J. Kosinski

Chair, College Curriculum Committee

Date

3/10/16

Jr [Signature]

College Dean

Date

10 Mar 2016

Director, Calhoun Honors College

Date

John D. Stiff

Chair, Undergraduate Curriculum Committee

Date

4/1/2016

Chair, Graduate Curriculum Committee

Date

Robert H. Jones

Provost

Date

6/20/16

President

Date

PREPHARMACY – Proposed for 2017-2018**First Year****First Semester**

3 - BIOL 1030 General Biology I¹
 1 - BIOL 1050 General Biology I Lab
 4 - CH 1010 General Chemistry
 4 - MATH 1060 Calculus of One Var. I
 3 - PSYC 2010 Introduction to Psychology
 15

- 110
1. Add new Footnote 1: Pharmacy programs require BIOL 1030/1050 and BIOL 1040/1060, or equivalent; however, BIOL 1100 may substitute. The additional 1-2 credit hours will be subtracted from the elective credits.
 2. Remove Arts and Humanities, and change credit hours to 15

Second Semester

3 - BIOL 1040 General Biology II¹
 1 - BIOL 1060 General Biology II Lab
 4 - CH 1020 General Chemistry
 3 - ENGL 1030 Accelerated Composition.
 3 - STAT 2300 Statistical Methods I
 3 - Economics Requirement²
 17

1. Add more options for Economics Requirement²
2. Add new Footnote 2: ECON 2000, 2110, or 2120
3. Remove elective and change credit hours to 17

Second Year**First Semester**

4 - BIOL 2220 Human Anatomy and Phys. I³
 3 - CH 2230 Organic Chemistry
 1 - CH 2270 Organic Chemistry Lab
 3 - PHYS 2070 General Physics I
 1 - PHYS 2090 General Physics Lab I
 3 - Arts and Humanities (Non-Lit) Req.⁴
 15

1. Add Footnote 3: BIOL 3150 and BIOL 3160 may substitute for BIOL 2220 and BIOL 2230.
2. History and Philosophy Req.--> Humanities (Non-Lit) Req.
3. Add Footnote 4: See General Education Requirements.
4. Change credit hours to 15

Second Semester

4 - BIOL 2230 Human Anatomy and Phys. II³
 3 - CH 2240 Organic Chemistry
 1 - CH 2280 Organic Chemistry Lab
 3 - PHYS 2080 General Physics II 3(3,0)
 1 - PHYS 2100 General Physics II Lab
 3 - Oral Communication Requirement⁵
 15

1. Add Oral Communication Requirement
2. Add Footnote 5: COMM 1500 or COMM 2500
3. Move STS to third yr, change credit hours to 15

Third Year⁶**First Semester**

4 - MICR 3050 General Microbiology
 3 - Arts and Humanities (Literature) Req.⁴
 3 - Science and Technology in Society Req.⁴
 6 - Elective
 16

1. Add a third year list of courses.
2. Add Footnote 6: Students planning to receive the Bachelor of Science in Preprofessional Studies degree are required to complete a year at an accredited pharmacy school.

Second Semester

12 – Elective

90 Total Semester Hours

¹ Pharmacy programs require BIOL 1030/1050 and BIOL 1040/1060, or equivalent; however, BIOL 1100 and BIOL 1110 may substitute. The additional 1-2 credit hours will be subtracted from the elective credits.

² ECON 2000, 2110, or 2120

³ BIOL 3150 and BIOL 3160 may substitute for BIOL 2220 and BIOL 2230.

⁴ See General Education Requirements.

⁵ COMM 1500 or COMM 2500 or *BIOL 2230*

⁶ Students planning to receive the Bachelor of Science in Preprofessional Studies degree are required to complete a year at an accredited pharmacy school.

Change Major

Major Name: Prerehabilitation Sci

Degree: Non-Degree

Effective Catalog Year: 2017-2018

 Change Major Name to: PREH Change Degree to: Non-Degree Change Curriculum Requirements Change General Education Requirements Add, Change, or Delete Concentration(s) Add, Change, or Delete Emphasis Area(s)Curriculum Map: Prerehab Catalog Text 2016-20160229110215.docx

Description: Catalog text for pre-rehab non-degree

Additional Information:

Description:

Summary/Explanation

Most professional schools only accept students with a four-year degree, so we feel it is time to delete the two-year curriculum map from the Announcements. We also want to substitute the attached Prerehabilitation Sciences introductory text for the text which occurs now on pp. 60-61 of the Announcements. This text is also attached to this request in lieu of the curriculum map.

Rationale for Change Major Strengthen Program Requirement(s) Alignment of Student Learning Outcomes Alternative Delivery of Content Improve Time to Degree Evolution of the Discipline Changing Prerequisites Address DWF Rates General Education Modifications Other (Please specify.)**Form**

User ID: rjksn Name: Robert Kosinski

Date: 02/29/2016 Number: 18860

000048
2/29/16

Robert J. Kowinski

Chair, Department Curriculum Committee

Date

Robert Cohen

2/29/16

Department Chair

Date

Robert J. Kowinski

3/16/16

Chair, College Curriculum Committee

Date

J. B.

10 Mar 2016

College Dean

Date

Director, Calhoun Honors College

Date

John D. Whiffi

4/1/2016

Chair, Undergraduate Curriculum Committee

Date

Chair, Graduate Curriculum Committee

Date

Robert S. Jones

6/20/16

Provost

Date

President

Date

PREREHABILITATION SCIENCES

This non-degree program is specifically designed for students who are interested in pursuing Physical Therapy, Occupational Therapy, or Speech Language Pathology school, but remain undecided about a particular degree-granting major. Almost all professional rehabilitation schools now require the completion of a four-year bachelor's degree before matriculation. For this reason, the Prerehabilitation Sciences program does not have a specific curriculum. Students are allowed to major in any curriculum, as long as the entrance requirements of the professional rehabilitation school are fulfilled. Professional schools are not as concerned about a student's major as they are about academic performance in whichever curriculum the student chooses.

The specific requirements for admission to professional rehabilitation schools vary. However, most physical and occupational therapy schools require coursework in biology, chemistry, anatomy and physiology, statistics, and psychology, while many physical therapy schools specify physics. These requirements should be balanced with courses in vocabulary building and the humanities. Undergraduates need to investigate specific requirements for individual rehab schools in these professions since they vary somewhat. Also, students should plan to complete the basic requirements in the natural sciences and as many of the courses in the humanities and social sciences as possible by the third year so they are prepared to take the GRE prior to applying to a prerehabilitation professional school.

Interested students are advised to consult with Clemson's chief health professions advisor for further information.