

000015

Change Undergraduate Course

Change a Course

Subject: BIOL-Biology
Number: 4920
Effective Term: Fall 2015
Title: Internship in Biological Scien

Honors Course:

Add Honors Course:

Last Term Course was taught:201408

Brief Statement of Change Based on Assessment Results:

We wish to change the credits of this internship course from (1-4) to (0-4). This will make it possible for a student to be registered during the summer without being forced to pay for at least one summer credit. This request follows a recommendation by the UCC subcommittee on internships.

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 students to sign up for summer internships without paying for at least one summer credit.

Learning Objectives

To apply the student's biological knowledge to real-world problems in a workplace setting. To reflect on how an employment experience has broadened his or her biological education.

Topical Outline

Biological Sciences internships are extremely varied, and could range from time spent working in a orthopedic practice to designing an irrigation system for a greenhouse. In all cases, the student will: locate an internship and prepare a list of objectives for the internship, make contact with a mentor at the internship site and agree on student duties, prepare a contract listing these duties with the mentor and forward the signed contract to Biological Sciences, carry out the internship, and submit a written final report evaluating which study plan objectives were achieved and what the student learned. The mentor must also submit an evaluation of the student, along with the mentor's suggestion on whether the student should pass or fail the internship.

Evaluation

Undergraduate

A 90 - 100

B 80 - 89

C 70 - 79

D 60 - 69

F < 60

The course is pass-fail. If the student files a contract, completes the study plan and the final report with adequate quality, and the mentor agrees, the grade will be "pass."

Syllabus

Upload File: Internship_contract-1-20150311153653.doc

Description: Bio Sci Internship Contract

Form

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

Date: 03/11/2015 **Number:** 6432

000016

000017

Robert J. Kasinski 3/11/15
Chair, Department Curriculum Committee Date

[Signature] 3/11/15
Department Chair Date

Robert J. Kasinski 3/12/15
Chair, College Curriculum Committee Date

[Signature] 3/12/15
College Dean Date

Director, Calhoun Honors College Date

Janice W. Michalek 4/3/2015
Chair, Undergraduate Curriculum Committee Date

Chair, Graduate Curriculum Committee Date

Robert S. Jones 5/22/15
Provost Date

President Date

Change Undergraduate Course

000018

Change a Course

Subject: MICR-Microbiology
Number: 2050
Effective Term: Fall 2015
Title: Introductory Micro

Honors Course:

Add Honors Course:

Last Term Course was taught: 999999

Brief Statement of Change Based on Assessment Results:

We wish to delete the prerequisite of CH 1020 because Nursing students (the course's main clientele) do not take CH 1020.

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 1020; and BIOL 1030 and 1050. Coreq: MICR 2051.
To CH 1010, and BIOL 1030 and 1050. Coreq: MICR 2051.

Learning Objectives

No change.

Topical Outline

No change.

Duplication (if applicable)

None.

Add course requirements for honors courses (if applicable)

None.

Learning Activities associated with General Education competencies (if applicable)

No change.

Evaluation

Undergraduate

A 90 - 100

B 80 - 89

C 70 - 79

D 60 - 69

F < 60

No change.

Syllabus

Upload File: Combined 111 Syl S15-20141218170207.docx

Description: MICR 2050 Syllabus

Form

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

Date: 12/18/2014 **Number:** 4978

Robert J. Kosinski
Chair, Department Curriculum Committee

1/12/2015

Date

R. J. Kosinski
Department Chair

1/12/2015

Date

Robert J. Kosinski
Chair, College Curriculum Committee

3/12/15

Date

Jill Whitcomb
College Dean

3/12/15

Date

Director, Calhoun Honors College

Date

Parvica W. Meadows
Chair, Undergraduate Curriculum Committee

4/3/2015

Date

Chair, Graduate Curriculum Committee

Date

Robert T. Jones
Provost

5/22/15

Date

President

Date

Change Undergraduate Course

Change a Course

Subject: MICR-Microbiology
Number: 3050
Effective Term: Fall 2015
Title: General Microbiology

Honors Course:

Add Honors Course:

Last Term Course was taught: 201408

Brief Statement of Change Based on Assessment Results:

The prerequisite of "introductory biology coursework" is too vague. We wish to clarify that the student must take either the non-majors introductory biology sequence with lab (BIOL 1030/1050 and BIOL 1040/1060) or the majors sequence (BIOL 1100 and 1110). The prerequisite of CH 1010 and CH 1020 will remain.

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 Introductory biology coursework, CH 1010 and CH 1020. Coreq: MICR 3051.
To (BIOL 1030/1050 and BIOL 1040/1060) or (BIOL 1100 and BIOL 1110) plus CH 1010 and CH 1020. Coreq: MICR 3051

Learning Objectives

No change.

Topical Outline

No change.

Add course requirements for honors courses (if applicable)

NA

Learning Activities associated with General Education competencies (if applicable)

NA

Evaluation

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

Syllabus

Description: MICR 3050 Syllabus

Form

User ID: rjksn **Name:** Robert Kosinski
Date: 01/12/2015 **Number:** 5096

000021

Robert J. Kowinski
Chair, Department Curriculum Committee

1/12/2015

Date

RJK
Department Chair

1/12/2015

Date

Robert J. Kowinski
Chair, College Curriculum Committee

3/12/15

Date

Deq Whitwell
College Dean

3/12/15

Date

Director, Calhoun Honors College

Date

Carice W. Anderson
Chair, Undergraduate Curriculum Committee

4/3/2015

Date

Chair, Graduate Curriculum Committee

Date

Robert S. Jones
Provost

5/22/15

Date

President

Date


Curriculum and Course Change System - Print Change/Delete Course Form
X Change a Course - Abbrev & Number: MICR- 4030

Corresponding Lab Course: MICR--4031

Corresponding Honors course: --

.. **Add Honors course:** --

Corresponding Graduate course: MICR--6030

.. **Add Graduate course:** --**Course Title: Marine Microbiology****Brief Statement of Change:**

The lab for this course is no longer needed because MICR 4500 (advanced Microbiology Laboratory) includes its content and is required for all Microbiology students. In addition, we wish to expand the course lecture credits from 2 to 3 hours to provide a more complete introduction to the subject.

Last Term taught: 201301

.. **Change Abbrev to:**

Effective Term: 01/2016

.. **Change Number to:**.. **Change Catalog Title:**.. **Change Transcript Title:**

from:

from: Marine Microbiology

to:

to:

X

From: Fixed Credit: 3 (2,3) To: Fixed Credit: 3 (3,)

Change of Credit Variable Credit: - (-), (-) Variable Credit: - (-),(-)
.. **Add cross-listing with the following child course(s):**.. **Delete cross-listing with the following child course(s):**.. **Reverse Parent/Child relationship with:**

X Change Method of Instruction	.. Change Course Modifier	.. Change General Education Designation
from:	to:	from: to:
.. A-Lecture Only	X .. Pass/Fail Only	.. Creative Inquiry ..
.. B-Lab (w/fee)	.. .. Graded	.. English Composition ..
.. D-Seminar	.. .. Variable Title	.. Oral Communication ..
.. E-Independent Study	.. .. Creative Inquiry	.. Mathematics ..
.. F-Tutorial (w/fee)	.. .. Repeatable	.. Natural Science w/Lab ..
.. G-Studio	.. maximum credits	.. Natural Science w/Lab ..
.. H-Field course	.. from:	.. Math or Science ..
.. I-Study Abroad	.. to:	.. A&H (Literature) ..
.. L-Lab (no/fee)	..	.. A&H (Non-Literature) ..
X N/B-Lecture/Lab(w/fee)	..	.. Social Science ..
.. N/L-Lecture/Lab(no fee)	..	.. CCA ..
		.. STS ..

X Change Catalog Description:
from: Discussion of the microbes that inhabit the marine environment, their particular physiological traits, and contributions to the ecology of oceans.
to: No change**X Change Prerequisite(s):****from:** Coreq: MICR 4031**to:** no coreq required
Learning Objectives: 1) To be able to explain the ecology and physiology of microbes in various marine environments. 2) To describe the impact that these microbes have on marine processes, and 3) To explore the various interactions of marine microbes with other marine organisms as well as humans

Topical Outline: Near-shore environments (15 hours): History and Marine Research/Education stations, Salt Marsh and Estuarine environments including biogeochemistry, microbial diversity/interactions, and impacts of human activities.

Coastal and Deep Ocean (18 hours): Principles of physical and chemical oceanography, microbial primary productivity, carbon/nutrient cycling, presence and activity of marine viruses, sampling methods, microbe-mediated diseases of marine organisms, and impacts of human activities including microbial responses to hydrocarbons.

Ocean seafloor (12 hours): Microbial diversity/biogeochemistry in marine sediments, hydrothermal vents and cold-seep ecosystems.

Evaluation: Exams and

Assignments Undergraduate Students (%) Graduate Students (%)

Exam 1 20 15

Exam 2 20 15

Exam 3 20 15

Final Exam 25 20

Writing 15 20

Oral Presentation (Grad Students only) 15

Undergraduate and graduate students will submit three writing assignments during the semester based on a topic approved by the

X Change a Course - Abbrev & Number: MICR- 4030

Corresponding Lab Course: MICR--4031

Corresponding Honors course: --

.. Add Honors course: --

Corresponding Graduate course: MICR--6030

.. Add Graduate course: --

Course Title: Marine Microbiology

Where is delete form for 4031? coming?

Brief Statement of Change:

The lab for this course is no longer needed because MICR 4500 (advanced Microbiology Laboratory) includes its content and is required for all Microbiology students. In addition, we wish to expand the course lecture credits from 2 to 3-hours to provide a more complete introduction to the subject.

Last Term taught: 201301

.. Change Abbrev to:

Effective Term: 01/2016

.. Change Number to:

.. Change Catalog Title:

.. Change Transcript Title:

from:

from: Marine Microbiology

to:

to:

X From: Fixed Credit: 3 (2,3) To: Fixed Credit: 3 (3,)

Change of Credit Variable Credit: - (-), (-) Variable Credit: - (-),(-)

.. Add cross-listing with the following child course(s):

.. Delete cross-listing with the following child course(s):

.. Reverse Parent/Child relationship with:

X Change Method of Instruction

.. Change Course Modifier

.. Change General Education Designation

Table with columns for Change Method of Instruction, Change Course Modifier, and Change General Education Designation. Includes options like A-Lecture Only, B-Lab (w/fee), D-Seminar, etc.

X Change Catalog Description:

from: Discussion of the microbes that inhabit the marine environment; their particular physiological traits, and contributions to the ecology of oceans.

to: No change

X Change Prerequisite(s):

from: Coreq: MICR 4031

to: no coreq required Nothing

Learning Objectives: 1) To be able to explain the ecology and physiology of microbes in various marine environments. 2) To describe the impact that these microbes have on marine processes, and 3) To explore the various interactions of marine microbes with other marine organisms as well as humans

Topical Outline: Near-shore environments (15 hours): History and Marine Research/Education stations, Salt Marsh and Estuarine environments including biogeochemistry, microbial diversity/interactions, and impacts of human activities.

Coastal and Deep Ocean (18 hours): Principles of physical and chemical oceanography, microbial primary productivity, carbon/nutrient cycling, presence and activity of marine viruses, sampling methods, microbe-mediated diseases of marine organisms, and impacts of human activities including microbial responses to hydrocarbons.

Ocean seafloor (12 hours): Microbial diversity/biogeochemistry in marine sediments, hydrothermal vents and cold-seep ecosystems.

Evaluation: Exams and

Assignments Undergraduate Students (%) Graduate Students (%)

Exam 1 20 15

Exam 2 20 15

Exam 3 20 15

Final Exam 25 20

Writing 15 20

Oral Presentation (Grad Students only) 15

Undergraduate and graduate students will submit three writing assignments during the semester based on a topic approved by the

instructor. The students are to review published papers in that topic and submit written papers that describe the methods, results, and findings as well as make comments on the papers.

000023

Undergraduate Grading: A = 90 - 100 B = 80 - 89 C = 70 - 79 D = 60 - 69 F = 59 and below

Graduate Grading: A = 90 - 100 B = 80 - 89 C = 70 - 79 F = 69 and below

Add course requirements for honors and/or 600-level courses (if applicable): MICR 6030 students will submit written papers as described above and prepare/present an oral presentation on the selected topic. The oral presentation will be 15% of their final grade.

Form Originator: HHENSON, Henson, John Michael **Date Form Created:** 3/24/2014

Form Last Updated by: HHENSON, Henson, John Michael **Date Form Last Updated:** 3/2/2015

Form Number: 7310

Approval

<i>Robert J. Kasinski</i>	3/2/15	<i>Janice W. Moore</i>	4/3/2015
Chair, Department Curriculum Committee	Date	Chair, Undergraduate Curriculum Committee	Date
<i>Robert J. Kasinski</i>	3/3/15		
Department Chair	Date	Chair, Graduate Curriculum Committee	Date
<i>Robert J. Kasinski</i>	3/12/15	<i>Robert J. Kasinski</i>	5/22/15
Chair, College Curriculum Committee	Date	Provost	Date
<i>Jed Whitman</i>	3/12/15		
College Dean	Date	President	Date
Director, Calhoun Honors College	Date		

Change Undergraduate Course

000024

Change a Course

Subject: MICR-Microbiology
Number: 4950
Effective Term: Fall 2015
Title: Service Learning
Honors Course:

Add Honors Course:

Last Term Course was taught: 201408

Brief Statement of Change Based on Assessment Results:

The course is presently being taught as a lecture-lab course with fee. We wish to teach it without the fee.

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.)

The students are giving service to the Microbiology program, so charging them a fee seems inappropriate. The corresponding course in Biological Sciences is taught as a lecture-lab course without a fee.

Change Schedule Type

From

- Field Course
- Independent Study
- Internship
- Lab No Fee
- Lab With Fee
- Lecture
- Other
- Seminar
- Studio
- Tutorial

To

- Field Course
- Independent Study
- Internship
- Lab No Fee
- Lab With Fee
- Lecture
- Other
- Seminar
- Studio
- Tutorial

Learning Objectives

No change.

Topical Outline

No change.

Evaluation

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

Syllabus

Upload File: Syllabus MICR 4950-4951-20150123173013.docx

Description: MICR 4950-4951 Syllabus

000025

Form

User ID: rjksn Name: Robert Kosinski

Date: 01/23/2015 Number: 5371

Robert J. Kosinski 1/23/15
Chair, Department Curriculum Committee Date

Robert Cohn 1/27/15
Department Chair Date

Robert J. Kosinski 3/12/15
Chair, College Curriculum Committee Date

Ed Whitman 3/12/15
College Dean Date

Director, Calhoun Honors College Date

Janice W. Moore 4/3/2015
Chair, Undergraduate Curriculum Committee Date

Chair, Graduate Curriculum Committee Date

Robert S. Jones 5/23/15
Provost Date

President Date

Change a Course

Subject: MICR-Microbiology
Number: 4920
Effective Term: Fall 2015
Title: Internship

Honors Course:

Add Honors Course:

Last Term Course was taught: 201408

Brief Statement of Change Based on Assessment Results:

We wish to change the credits of this internship course from (1-4) to (0-4). This will make it possible for a student to be registered during the summer without being forced to pay for at least one summer credit. This request follows a recommendation by the UCC subcommittee on internships.

Rationale for Changing a Course

- Strengthen Program Requirement(s)
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- Address DWF Rates
- General Education Modifications
- Other (Please specify.)

Allow students to sign up for summer internships without paying for at least one summer credit.

Learning Objectives

To apply the student's biological knowledge to real-world problems in a workplace setting. To reflect on how an employment experience has broadened his or her biological education.

Topical Outline

Microbiology internships are extremely varied, and could range from time spent working in a dentist's office to working in a microbrewery. In all cases, the student will: locate an internship and prepare a list of objectives for the internship, make contact with a mentor at the internship site and agree on student duties, prepare a contract listing these duties with the mentor and forward the signed contract to Biological Sciences, carry out the internship, and submit a written final report evaluating which study plan objectives were achieved and what the student learned. The mentor must also submit an evaluation of the student, along with the mentor's suggestion on whether the student should pass or fail the internship.

Evaluation

Undergraduate

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

The course is pass-fail. If the student files a contract, completes the study plan and the final report with adequate quality, and the mentor agrees, the grade will be "pass."

Syllabus

Description: MICR 4920 Internship Contract

000028

Form

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

Date: 03/11/2015 **Number:** 6431

Robert J. Kosinski
Chair, Department Curriculum Committee Date 3/11/15

RJTK
Department Chair Date 3/11/15

Robert J. Kosinski
Chair, College Curriculum Committee Date 3/12/15

Ed Whitwell
College Dean Date 3/12/15

Director, Calhoun Honors College Date

Parice W. Maloney
Chair, Undergraduate Curriculum Committee Date 4/3/2015

Chair, Graduate Curriculum Committee Date

Robert S. Jones
Provost Date 5/22/15

President Date