

## Course Revision/Deletion Template

Steps to the approval process:

1. Complete the applicable template(s) and email them to the departmental or program curriculum committee chair.
2. The curriculum chair emails the proposal to the curriculum committee, then to the department/program faculty for a vote and finally to the department/program chair.
3. The department/program chair emails the proposal to [curriculum-approval@iup.edu](mailto:curriculum-approval@iup.edu); this email will also serve as an electronic signature.
4. Curriculum committee staff will log the proposal, forward it to the appropriate dean's office(s) for review within 14 days and post it on the X Drive for review by all IUP faculty and administrators. Following the dean's review the proposal goes to the UWUCC/UWGC and the Senate.
5. Questions? Email [curriculum-approval@iup.edu](mailto:curriculum-approval@iup.edu).

Contact Person:	Megan Knoch	Email Address:	mknoch@iup.edu
Proposing Depart/Unit:	Biology	Phone:	357-2613

**Course Revisions** (Check all that apply; fill out categories below as specified; i.e. if only changing a course title, only need to complete Category A information; if Category B need information in both A and B; For Category C, complete entire form):

Category A:  Course Prefix/Number Change     Course Title Change     Course Deletion

Category B:  Catalog Description Change     Modify Prerequisite(s)

Category C:  Add Dual Level     Add Liberal Studies (Complete Template C)     Change in Class/Lab Hours

Add Distance Education (Complete Template E)     Add/Revise TECC (Complete Template D)

Other - Click here to enter text.

Current Course Information		Proposed Changes	
<b>Category A (if not changed leave blank)</b>			
Current Prefix	BIOL	Proposed Prefix	BIOL
Current Number	151	Proposed Number	240
Current Course Title	Human Physiology	Proposed Course Title	Human Physiology
Prerequisite(s)	Non-biology majors and controlled electives for biology majors	Proposed Prerequisite(s)	BIOL 150 and CHEM 101; or BIOL 203; or BIOL 263; or HPED 221; or instructor permission
<b>Category B (if not changed leave blank)</b>			
Current Catalog Description	The study of the mechanisms but with the human organism functions.	Proposed Catalog Description	Click here to enter text.

Template B

	<p>Mechanisms covered range from the molecular/subcellular to the tissue, organ, and organism levels. Organ systems examined include the nervous, muscular, cardiovascular, respiratory, endocrine, renal, digestive, and reproductive. Emphasizes three major themes: (1) that organ functions are dependent on the underlying molecular and cellular processes, (2) that all organ systems use biological control systems to maintain organ homeostasis, and (3) that each organ function is closely controlled and dependent on the interaction/integration with functions from other organ systems.</p>		
<p><b>Category C (if not changed leave blank)</b></p>			
<p>Current Course (Student Learning) Outcomes</p>	<p>Click here to enter text.</p>	<p>Proposed Course (Student Learning) Outcomes</p>	<p>Click here to enter text.</p>
<p>Brief Course Outline <i>(it is acceptable to copy this from the old syllabus)</i></p>	<p>Click here to enter text.</p>	<p>Brief Course Outline <i>(Give sufficient detail to communicate the content to faculty across campus. It is not necessary to include specific readings, calendar, or assignments.)</i></p>	<p>Click here to enter text.</p>
<p><b>Rationale for Proposed Changes (All Categories)</b></p>			
<p>Why is the course being revised/deleted:</p>	<p>BIOL 240 (currently BIOL 151) is a rigorous course that will be taken once students have successfully completed BIOL 150. The change in numbering for BIOL 240 better reflects the rigor of the course content. This change also satisfies the Natural Science majors that are required to complete the course. These students often continue on to graduate or professional programs that require an upper level physiology course. Developing a second “upper level” physiology course for these students would unnecessarily duplicate course content and require more departmental resources. CHEM 101 has been added as a pre-requisite to ensure that students in the Nursing and Food and Nutrition program are better prepared with laboratory experience and the chemistry background needed for physiology topics. This is not a hidden prerequisite, students in the Nursing and Food and Nutrition program are currently required to take CHEM 101. BIOL 203 is included as a pre-requisite for Natural Science students and will prepare students with the introductory material needed to understand BIOL 240 topics. BIOL 263 is also included as a prerequisite from the previous biology department curriculum. BIOL 203 currently replaces by BIOL 263. However, BIOL 203 and BIOL 263 are requirements for degree completion and, as such, are not hidden pre-requisites for students in the Natural Science program. HPED 221 is a required course for Exercise Science and Athletic Training students that will adequately prepare them for BIOL 240.</p>		
<p>Implication of the Change on:</p> <ul style="list-style-type: none"> <li>- Program</li> <li>- Other programs</li> <li>- Students</li> </ul>	<p>Program: These courses will not impact the Biology majors but it will impact students in the Nursing, Food and Nutrition, and Natural Sciences programs.</p> <p>- Other programs: This course is being revised in conjunction with BIOL 150 and BIOL 241. Revisions to these courses will actually decrease the number of required credits for Nursing and Allied Health majors by one credit hour. Students will no longer be required to take BIOL 105 Cell Biology, a three credit course. Students instead will complete the following three 4-credit courses: BIOL 150, BIOL 240 and BIOL 241. The total number of BIOL course hours that students currently take is equal to 13 credit hours. The proposed revisions will reduce this to 12 credit hours. Students may use the additional contact hour towards courses in their major.</p>		

Template B

For Dual Listed Courses	<i>List additional learning objectives for the higher-level course</i> Click here to enter text.
<b>For Dean's Review</b>	
<ul style="list-style-type: none"><li>• Are resources available/sufficient for this course?    <input type="checkbox"/> Yes    <input type="checkbox"/> No    <input type="checkbox"/> NA</li><li>• Is the proposal congruent with college mission?    <input type="checkbox"/> Yes    <input type="checkbox"/> No    <input type="checkbox"/> NA</li><li>• Has the proposer attempted to resolve potential conflicts with other academic units?    <input type="checkbox"/> Yes    <input type="checkbox"/> No    <input type="checkbox"/> NA</li></ul>	
Comments: Click here to enter text.	

**Subject:** BIOL 150, 151, 241 changes

**From:** "Rita M. Johnson" <Rita.Johnson@iup.edu>

**Date:** 2/13/2015 9:13 AM

**To:** curriculum-approval@iup.edu

**CC:** "<megan.knoch@iup.edu>" <bharathn@iup.edup.edu>, Rita <Rita.Johnson@iup.edu>

Faculty in the Department of Food and Nutrition (FDNT) support the changes in BIOL 150, 151, and 241. We have been in contact with Biology Department representatives during the development of these changes.

I believe that the curriculum committee should be aware of two factors that FDNT faculty have communicated to Biology Department representatives.

1. Assuming that the changes to microbiology occur in fall 2015, FDNT majors will need to use one credit of free electives to allot for this 4 credit course.
2. FDNT is currently working on curriculum proposals for its three tracks. The Dietetics and Culinary Dietetics Tracks will be changed to take the four credit Anatomy, Physiology, and Microbiology courses that are proposed. These changes will increase the Biology credits from the current 10 credits to 12 credits. This is unlike the change to the Nursing and Allied Health curriculum that will decrease its credits from Biology courses.

Thank you for this opportunity to clarify the effects of these changes to three Biology courses on FDNT majors.

Rita M. Johnson, PhD, RDN, LDN  
Chair and Associate Professor  
Department of Food and Nutrition  
911 South Drive, Ackerman 102  
Indiana, PA 15705-1087

[Rita.Johnson@iup.edu](mailto:Rita.Johnson@iup.edu)

Office Location: Ackerman 101  
724-357-3007 (Department fax)  
724-357-3281 (Rita's office)  
724-357-4440 (Department office)

Spring 2015 Office Hours

Monday 5:00 - 6:30  
Tuesday 1:00 - 3:00  
Thursday 2:00 - 4:00

Please make an appt via email with me or in person with Mrs. Lemasters in ACK 101.

**Subject:** Fwd: biology changes  
**From:** "Megan E Knoch" <megan.knoch@iup.edu>  
**Date:** 2/18/2015 9:42 AM  
**To:** "Gail S. Sechrist" <gailsech@iup.edu>

Greetings Gail,

Here is the letter of support from the Allied Health program.

Best,  
Megan

Dr. Megan E. Knoch  
Associate Professor  
Department of Biology  
Indiana University of Pennsylvania

--- the forwarded message follows ---

biology changes.eml

**Subject:** biology changes  
**From:** "Joyce Ann Shanty" <joyce.shanty@iup.edu>  
**Date:** 12/8/2014 9:12 AM  
**To:** "Knoch, Megan E" <Megan.Knoch@iup.edu>  
**CC:** <Theresa.Gropelli@iup.edu>

Hi Megan,

Theresa was telling me about the meeting this past Friday. It all sounds great for our Allied Health students as well as the Nursing students. I had sent the proposed changes to our various program directors for NMDT and RESP care and they are fine with the proposed changes. The RESP director wanted to make sure that cellular life, metabolism and aerobic vs. anaerobic metabolism would be mentioned in Microbiology. Are they/Will they be?

Thanks  
Joyce

Joyce A. Shanty PhD, RN  
Associate Professor  
Coordinator, Allied Health Professions  
Indiana University of Pennsylvania  
Indiana, PA 15705  
724-357-3257

-Attachments:

biology changes.eml

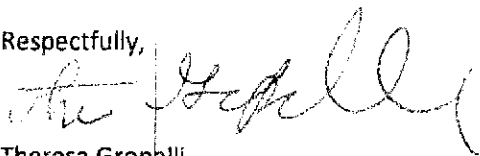
1.3 KB

February 18, 2015

Dear UWUCC (Dr. Gail Sechrist),

I am writing this letter to demonstrate support of the projected changes that will be forthcoming as a result of changes to program as noted from the Biology department. Specifically, we are aware and agree with the changes as noted from BIOL 150, BIOL 240 and BIOL 241. We are aware of the credit adjustment, and do appreciate the realignment of credits and content. We also appreciate that Cell Biol will no longer be a prerequisite and can be eliminated from the Nursing and Allied Health programmatic structure. We are fully aware that the science structure in the Nursing and Allied Health program used to total 13 credits and with the realignment now shifts down to 12 credits freeing up one credit for use within our programs. As a consequence of this action, you can anticipate a program revision from both Nursing and Allied Health to be coming through the SCAT system in a timely manner. Thank you for considering this upgrade and for keeping our programs at IUP current and competitive with other institutions.

Respectfully,

A handwritten signature in cursive script, appearing to read "Theresa Gropelli".

Theresa Gropelli,  
Chair, Nursing and Allied Health

**Subject:** BIOL 150, 151, 241 changes

**From:** "Rita M. Johnson" <Rita.Johnson@iup.edu>

**Date:** 2/13/2015 9:13 AM

**To:** curriculum-approval@iup.edu

**CC:** "<megan.knoch@iup.edu>" <bharathn@iup.edup.edu>, Rita <Rita.Johnson@iup.edu>

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Thank you for this opportunity to clarify the effects of these changes to three Biology courses on FDNT majors.

Rita M. Johnson, PhD, RDN, LDN  
Chair and Associate Professor  
Department of Food and Nutrition  
911 South Drive, Ackerman 102  
Indiana, PA 15705-1087

[Rita.Johnson@iup.edu](mailto:Rita.Johnson@iup.edu)

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Please make an appt via email with me or in person with Mrs. Lemasters in ACK 101.

**Subject:** Re: Letter of Support for BIOL 150, 151 and 241 changes  
**From:** <lkup@iup.edu>  
**Date:** 2/25/2015 11:44 AM  
**To:** "Megan E Knoch" <megan.knoch@iup.edu>

Dear Megan,

As Coordinator of the Natural Science Pre-Professional Programs, which includes the Pre-Dental, the Pre-Optometry, the Pre-Pharmacy, the Pre-Physical Therapy, the Pre-Podiatry, and the Pre-Chiropractic tracks, I lend my support the course changes that you listed in your e-mail message (below). Several of the professional schools, the Physical Therapy and Physician Assistant programs most notably, list among the prerequisites both 4-credit human anatomy and 4-credit microbiology courses. In the past, Natural Science students who have taken the existing 3-credit courses have been disadvantaged when they sought admission to many post-graduate professional school programs. Since your proposed changes will only serve to make the professional school application packages of our IUP students even more widely competitive, I enthusiastically support the course revisions.

Lawrence Kupchella

-----Original Message----- From: Megan E Knoch  
Sent: Tuesday, February 24, 2015 5:25 PM  
To: [lkup@iup.edu](mailto:lkup@iup.edu)  
Cc: Bharathan  
Subject: Letter of Support for BIOL 150, 151 and 241 changes

Greetings Larry,

As you are aware, the Biology Department is converting BIOL 150 and BIOL 241 to 4-credit lecture and lab courses. Furthermore, BIOL 151 will be renumbered to BIOL 240. Students will take BIOL 150, followed by BIOL 240 and finally BIOL 241. Would you be willing to provide me with a letter of support for these changes?

Best,  
Megan

Dr. Megan E. Knoch  
Associate Professor  
Department of Biology  
Indiana University of Pennsylvania