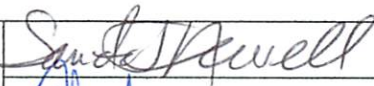
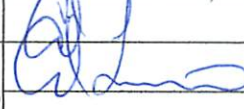
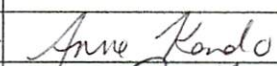
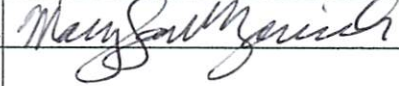
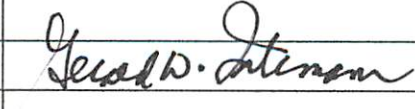
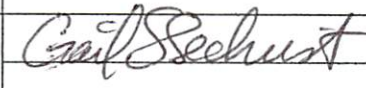


LSC Use Only No:	LSC Action-Date:	UWUCC USE Only No.	UWUCC Action-Date:	Senate Action Date:
		10-45a.	App AP 2/8/11	App-2/22/11

Curriculum Proposal Cover Sheet - University-Wide Undergraduate Curriculum Committee

Contact Person Thomas W. Simmons	Email Address tsimmons@iup.edu
Proposing Department/Unit Biology	Phone 7-4898

Check all appropriate lines and complete information as requested. Use a separate cover sheet for each course proposal and for each program proposal.

1. Course Proposals (check all that apply) <input type="checkbox"/> New Course <input type="checkbox"/> Course Prefix Change <input type="checkbox"/> Course Deletion <input type="checkbox"/> Course Revision <input type="checkbox"/> Course Number and/or Title Change <input type="checkbox"/> Catalog Description Change	
<hr/> <p><i>Current Course prefix, number and full title</i> <i>Proposed course prefix, number and full title, if changing</i></p>	
2. Additional Course Designations: check if appropriate <input type="checkbox"/> This course is also proposed as a Liberal Studies Course. <input type="checkbox"/> Other: (e.g., Women's Studies, Pan-African) <input type="checkbox"/> This course is also proposed as an Honors College Course.	
3. Program Proposals <input type="checkbox"/> New Degree Program <input type="checkbox"/> Catalog Description Change <input type="checkbox"/> Program Revision <input type="checkbox"/> New Minor Program <input type="checkbox"/> Program Title Change <input type="checkbox"/> Other <input type="checkbox"/> New Track <input checked="" type="checkbox"/> New Track	
<hr/> <p><i>Current program name</i> B.S. Biology/ Environmental Health Track <i>Proposed program name, if changing</i></p>	
4. Approvals	
Department Curriculum Committee Chair(s)	 Date: 9/16/09
Department Chair(s)	 Date: 10/5/09
College Curriculum Committee Chair	 Date: 11/10/10
College Dean	 Date: 11/16/10
Director of Liberal Studies *	
Director of Honors College *	
Provost *	 Date: 12/9/10
Additional signatures as appropriate: (include title)	
UWUCC Co-Chairs	 Date: 2/8/11

Received

Received

FEB 2 2011

NOV 17 2010

PART II. Description of Curriculum Changes

The proposed Environmental Health Track within the existing B.S. in Biology degree program will replace the B.S. in Environmental Health Science degree program.

1. Complete Catalog Description for New Track

Bachelor of Science in Biology/Environmental Health Track

Students electing the Bachelor of Science degree with an emphasis in Environmental Health will take the core Biology courses and a collection of upper-division courses that focus on environmental factors impacting human health. In addition, students will elect technical courses offered by other Departments that provide analytical and problem-solving skills to identify, evaluate and manage these factors. This track will prepare students for employment as environmental health specialists and practitioners in industry, government and academia and for entry into graduate school programs in environmental and public health.

Bachelor of Science–Biology/Environmental Health Track

Liberal Studies: As outlined in Liberal Studies section with the following specifications: 48

Mathematics: MATH 121

Natural Science: CHEM 111-112

Social Science: ECON 101, PSYC 101 or SOC 151, non-western culture required

Liberal Studies Electives: 3cr, BTED/COSC/IFMG 101, no courses with BIOL prefix

Major: Required Courses 40

Biology Core Courses:

BIOL 111	Principles of Biology I	4cr
BIOL 112	Principles of Biology II	4cr
BIOL 210	Botany	3cr
BIOL 220	General Zoology	3cr
BIOL 250	Principles of Microbiology	3cr
BIOL 263	Genetics	3cr

Additional Required Biology Courses:

BIOL 151	Human Physiology	4cr
BIOL 221	Environmental Health and Protection	4cr
BIOL 323	Introduction to Toxicology and Risk Assessment	3cr
BIOL 460	Fundamentals of Environmental Epidemiology	3cr

Controlled Biology Electives: (1)

BIOL 262, 270, 310, 363, 466, 476, 481, 482, 483, 484, 493 6cr

Other Requirements:

CHEM 231	Organic Chemistry I	4cr	24
CHEM 351	Biochemistry	4cr	
MATH 216	Probability and Statistics for Natural Sciences	3cr	

PHYS 111	Physics I Lecture	3cr
PHYS 121	Physics I Lab	1cr
Ancillary Science and Technical Electives:		9cr
CHEM: 232, 323		
GEOG/RGPL: 415, 417, GEOG: 419, 425		
GEOS: 201, 202, 312, 313		
MATH: 122		
PHYS: 112 and 122		
SAFE: 330, 430		
Other Requirements:		0-6
Foreign Language Intermediate Level (2)		0-6cr
Free Electives: (3)		2-8
Total Degree Requirements:		120

- (1) No more than 6cr total from Independent Study, Special Topics, or Internship applies to major; excess applied as free electives.
- (2) Two courses beyond placement or intermediate level. Foreign Language course may count as Liberal Studies Elective (see Liberal Studies section). In lieu of a foreign language the student may elect to take a sequence of courses in either Computer Science, exclusive of COSC 101 (COSC 110 and 210 recommended), or Geography/Regional Planning (from the following: GEOG/RGPL 213, 314, 316 or 415).
- (3) Recommended free electives: MGMT 310; PLSC 250, 370; SAFE 101, 220; SAFE 410.

2. Detailed Description of the B.S. Biology / Environmental Health Track

Rationale and Justification for the Environmental Biology Track

The B.S. in Biology/Environmental Health Track will replace our existing B.S. in Environmental Health Science. This change is needed to better serve more of our Biology majors. The B.S. in Environmental Health Science curriculum was revised in spring 2003 to meet accreditation standards of the Environmental Health Science and Protection Accreditation Council (EHAC), and by doing so train sanitarians for jobs in local, state and federal health Departments. The Environmental Health Science Program was accredited by EHAC in spring 2004. Since becoming accredited, enrollment in the Program has remained steady with an average of thirteen majors, but has not grown. In contrast, enrollment in BIOL/ENVH 323 Introduction to Toxicology and Risk Assessment this spring 2009 semester is thirty-five, and in BIOL/ENVH last spring 2008 semester was twenty-three, indicating a stronger interest in environmental health courses than the major. In addition, meeting accreditation standards has restricted the number of health-related biology courses that environmental health majors can take because courses such as medical microbiology, parasitology and virology are not technical areas recognized by EHAC. Also, Environmental Health Science majors have been excluded from the research-based Biology Department Honors Program due to the constraints of a 120 credit program. Although the proposed Track will not be eligible for EHAC accreditation, it will still serve students interested in careers as environmental health specialists and practitioners because government agencies and industry in Pennsylvania do not recognize EHAC accreditation. Moreover, the proposed track will allow students interested in environmental health more in depth study of biological health hazards, will be attractive to students in the growing health-related professions such as pre-med who are interested in public health, and will better prepare students interested in graduate school through the Biology Department Honors Program.

Credit Requirements for the Environmental Biology Track

Overview: The B.S. in Biology/Environmental Health Track includes courses required for the B.S. in Biology, while maintaining many features of the B.S. in Environmental Health Science curriculum.

Required Biology Courses and Controlled Biology Electives: Students are required to take the six biology core courses (20 cr.), and four additional biology courses (14 cr), one of which is a key foundation course for understanding human health (BIOL 151), and three of which are environmental health specific courses (BIOL 221, 323, 460). Also, students elect to take six credits from a menu of biology courses that either have human-health applications (BIOL 262, BIOL 270, BIOL 310, BIOL 363, BIOL 466, BIOL 476), provide research opportunities (BIOL 482, BIOL 483, BIOL 484), provide internship experience (BIOL 493), or provide an opportunity to take an environmental health-related special topics course (BIOL 481). Biology Internship (BIOL 493) was previously required for the B.S. in Environmental Health Science, but is a Controlled Elective in the B.S. in Biology/Environmental Health Track. Required biology courses have increased from twenty-nine credits for the B.S. in Environmental Health Science to thirty-nine credits for the B.S. in Biology/Environmental Health Track. The additional credits are biology core courses (BIOL 210, BIOL 220, BIOL 263) and Human

Physiology (BIOL 151). Biology Seminar (BIOL 480), which is not required for a B.S. Biology, has been dropped from the Environmental Health curriculum, and Environmental Health and Protection I (ENVH 221) and Environmental Health and Protection II (ENVH 222), both three credit courses, have been combined into one four credit Environmental Health and Protection course (BIOL 221). A four credit survey course is needed to cover the breadth of environmental health and ensure that students are exposed to the entire field.

Other Natural Sciences and Mathematics Courses: The biology core and electives are complemented by the required Natural Sciences and Mathematics courses General Chemistry I (CHEM 111), General Chemistry II (CHEM 112), Organic Chemistry I (CHEM 231), Biochemistry (CHEM 351), Calculus I for Natural and Social Sciences (MATH 121), Probability and Statistics for Natural Sciences (MATH 216), and Physics I (PHYS 111/121). These courses establish a strong scientific base for environmental health. All of these Natural Sciences and Mathematics courses are either required or are Ancillary Science Courses for a B.S. Biology, and all but CHEM 351 were required for the B.S. Environmental Health Science. Biochemistry is required for the B.S. Biology/Environmental Health Track because of its importance along with Human Physiology for understanding the impact of environmental factors on human systems.

Ancillary Science and Technical Courses: The Ancillary Science and Technical Electives are courses that either provide coursework for entry into some graduate schools (CHEM 232 Organic Chemistry II, MATH 122 Calculus II for Natural and Social Sciences, PHYS 112/122 Physics II); are laboratory-based courses in Chemistry and Geoscience (CHEM 323 Analytical Methods, GEOS 201 Foundations of Geology, GEOS 202 Quantitative Methods in Geoscience, GEOS 312 Hydrogeology and GEOS 313 Soils and Soil Geochemistry) for students interested in environmental protection; are laboratory-based courses in Safety Sciences (SAFE 330 Recognition, Evaluation, and Control of Occupational Health Hazards I, 430 Recognition, Evaluation, and Control of Occupational Health Hazards I) for students interested in occupational health; or are laboratory-based courses in Geography and Regional Planning (GEOG/RGPL 415 Remote Sensing, GEOG/RGPL 417 Technical Issues in GIS, GEOG 419 Geographic Information Systems for Environmental Applications, GEOG 425 GPS Concepts and Technologies) for students interested in environmental planning. The laboratory-based courses are important for giving students hands-on skills that can be used in the workplace. Most of these courses (or their predecessors if they have been revised) were Controlled Electives for the B.S. in Environmental Health Science, although the Geography and Regional Planning electives have been expanded to include GEOG/RGPL 415 and GEOG/RGPL 417.

Recommended Free Electives: A number of courses that were Required (PLSC 250 Public Policy, PLSC 370 Introduction to Public Administration or MGMT 310 Principles of Management, SAFE 101 Introduction to Occupational Safety and Health, SAFE 210 – now SAFE 410 – Environmental Safety and Health Regulations) for the B.S. in Environmental Health Science degree program are now Recommended Free Electives for the B.S. in Biology/Environmental Health Track. These courses are useful for management and administrative positions in government or industry. Likewise, non-laboratory Controlled Electives (GEOG/RGPL 213 Cartography I, RGPL 350 Introduction to Planning, SAFE 461 Air Pollution, SAFE 462 Radiological Health) for the B.S. Environmental Health Science are now Recommended Free Electives for the B.S. in Biology/Environmental Health Track. The

Controlled Electives BIOL 220, ENVH 281, ENVH 481 and ENVH 482 for the B.S. in Environmental Health Science are now either Required Courses (BIOL 220) or Controlled Biology Electives (BIOL 281, BIOL 481, BIOL 482) for the B.S. in Biology/Environmental Health Track.

Foreign Language Requirement: The B.S. in Biology/Environmental Health Track has the same foreign language requirement as does the B.S. in Biology, whereas the B.S. in Environmental Health Science had no requirement.

Specification of Liberal Studies Courses: The Liberal Studies mathematics requirement is met with MATH 121 Calculus I for Natural and Social Sciences, the natural science requirement by CHEM 111 General Chemistry I and CHEM 112 General Chemistry II, and the elective requirement by BTED/COSC/IFMG 101 Microbased Computer Literacy. The social sciences requirement is met with ECON 101 Basic Economics, PSYC 101 General Psychology or SOC 151 Principles of Sociology, and a non-western culture course. The courses PSYC 101 or SOC 151 provide a foundation in human behavior to complement the administration, management and policy free electives.

Suggested Course Sequence for B.S. in Biology/Environmental Health Science Track

First Semester				Second Semester			
BIOL	111	Principles of Biology I	4	BIOL	112	Principles of Biology II	4
CHEM	111	General Chemistry I	4	CHEM	112	General Chemistry II	4
_____	143	Health & Wellness Course	3				
Two courses each semester from the following (depending on assignment):							
ENGL	101	College Writing <u>or</u>	4	Choice of only one from:			
_____	_____	Social Science Elective <u>or</u>	3	ART	101	Intro. to Art <u>or</u>	3
HIST	195	The Modern Era	3	MUSC	101	Intro. to Music <u>or</u>	
				THTR	101	Intro. to Theater <u>or</u>	
				THTR	102	Intro. to Dance	
Total Credits Freshman Year - 32							
Third Semester				Fourth Semester			
BIOL	_____	Botany, Zool. or Microbiol.	3	BIOL	_____	Botany, Zool. or Microbiol	3
CHEM	231	Organic Chemistry I	4	BIOL	221	Environ. Health & Protection	4
MATH	121	Calc. I (Nat. & Soc. Sci.)	4	MATH	216	Prob. & Stat. Nat. Sci	3
ENGL	202	Research Writing	3	_____	_____	Social Science Elective	3
			<u>14</u>	COSC	_____	Microbased Computer Literacy	<u>3</u>
							16
Fifth Semester				Sixth Semester			
BIOL	_____	Botany, Zool. or Microbiol.	3	BIOL	263	Genetics	3
BIOL	460	Fund. Environ. Epidemiology	3	BIOL	151	Human Physiology	4
BIOL	_____	Biology Elective	3-4	BIOL	323	Intro. Toxicol. & Risk Assess	3
PHYS	111	Physics I	3	BIOL	_____	Biology Elective	3-4
PHYS	121	Physics I Lab	1	_____	_____	Foreign Language	3
_____	_____	Foreign Language	<u>3</u>				
			16-17				<u>16-17</u>
Seventh Semester				Eighth Semester			
_____	_____	Anc. Sci. or Tech. Elective	2-4	_____	_____	Anc. Sci. or Tech. Elective	2-4
_____	_____	Anc. Sci. or Tech. Elective	3-4	CHEM	351	Biochemistry	4
_____	_____	Hum: Lit.	3	_____	_____	Free Elective	3
_____	_____	Hum: Phil/Rel. St.	3	LBST	499	Synthesis	3
_____	_____	Social Science Elective ²	<u>3</u>				
			14				12

PART III. Implementation of the B.S. in Biology/Environmental Health Track

1. How will the proposed new tracks affect students already in the existing program?

Students currently in the B.S. in Environmental Health Science degree program will have the option of switching to the new track. The last majors were admitted into this program in fall 2009. If they choose to remain in the program, they can take all of the required courses with the exception of ENVH 221 and 222. In lieu of these courses, they would take BIOL 221 and an additional controlled elective. Students currently working towards a minor in Environmental Health would also take this substitution. Some students in the B.S. in Biology/Pre-Medical Track may consider the new track if interested in public health or as an alternative to medical school.

2. Are faculty resources adequate?

Overall, teaching loads will not be affected because the only new course proposed (BIOL 221) is replacing two deleted courses (ENVH 221 and 222). Addition of BIOL 151 Human Physiology as a Required Biology Course for the new track will require no more than a few seats per year.

3. Are other resources adequate?

Other resources are adequate to support the proposed track. Because the track is based on existing courses, it will not place additional strain on the Department of Biology's limited resources. Moreover, programmatic accreditation and association dues can be returned to the general operating budget of the Department.

4. Do you expect an increase or decrease in the number of students as a result of these revisions? If so, how will the department adjust?

We do not anticipate any increase in the number of students as a result of the change from program to track.

5. Intended implementation date

The track will be implemented in Fall 2011. I advise all ENVH major and minor students and they have been notified during advising sessions of the pending changes.

PART IV. Periodic Assessment

We plan a two-pronged method of evaluation of the program. This will involve a survey of graduating seniors as well as a five-year evaluation of the program by the Department of Biology. Upon submission of their graduation application to their advisors, students will be given a Senior Survey that they will be required to complete and return to their advisor in a sealed envelope bearing the letterhead of the Department of Biology. These sealed envelopes will be given to the department secretary and not opened until after graduation (either Fall or Spring). The department secretary will then transcribe the results and distribute the results to the

entire faculty of the Department of Biology. If students so choose, they may identify themselves on the survey form for follow-up interviews by phone or email. At the end of the first five years of the program and every five years thereafter the appropriate committee of the Department of Biology will evaluate all of the Senior Surveys for the last five years. In addition, enrollment trends during each five-year period will be examined and included in the evaluation. All faculty within the Department of Biology will also be asked to submit their individual evaluations regarding the success of the program.

PART V. Course Proposals

ENVH 221 and ENVH 222 are combined into BIOL 221; ENVH 270, ENVH 281, ENVH 310, ENVH 323, ENVH 456, ENVH 460, ENVH 481 and ENVH 482 are deleted; BIOL 270, BIOL 310, BIOL 323, BIOL 456, BIOL 460 are no longer cross-listed as ENVH courses; and the B.S. in Environmental Health Science, and minor in Environmental Health are deleted.

PART VI. Letters of Support from Affected Departments

Department of Chemistry
Department of Geography and Regional Planning
Department of Geoscience
Department of Management
Department of Political Science
Department of Safety Sciences

Indiana University of Pennsylvania

Department of Chemistry
Weyandt Hall, Room 143
975 Oakland Avenue
Indiana, Pennsylvania 15705-1001

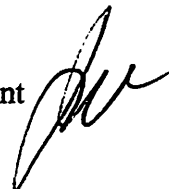
724-357-2361
Fax: 724-357-2437
Internet: <http://www.iup.edu>

November 17, 2009

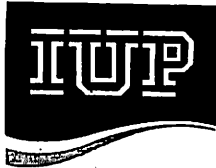
To: Dr. Thomas Simmons

From: John Woolcock, Chair, IUP Chemistry Department

Subject: ENVH Curriculum Proposal



As Chair of the Chemistry Department, I support the changes to the required CHEM courses outlined in your proposal for the B.S. in Biology/Environmental Health Track (CHEM 111-112, CHEM 231 and CHEM 351) and the change of CHEM 232 and CHEM 323 to Ancillary Science and Technical Electives.



Indiana University of Pennsylvania

Department of Geography and Regional Planning 724-357-2250
Leonard Hall, Room 9 Fax: 724-357-6479
421 North Walk Internet: www.iup.edu/geography
Indiana, Pennsylvania 15705-1015

To: Dr. Thomas Simmons, IUP Department of Biology

Re: Curriculum Revision – B.S. Biology, Environmental Health Track

From: John Benhart, Jr – Chair, IUP Geography & Regional Planning

A handwritten signature in black ink, appearing to be 'JB', written over the end of the 'From:' line.

I am writing to express the Department of Geography & Regional Planning's full support for the proposed curriculum revision to replace the present B.S. degree in Environmental Health with an Environmental Health track in the B.S. Biology degree program. Upon reading the curriculum revision proposal, the Department should have no problem offering the courses identified as electives (GEOG 415, 417, 419), or in having the necessary seats available for Environmental Health students to enroll in these courses.

If there are any other questions or comments please contact me. The Department of Geography & Regional Planning is pleased to be able to continue its mutually productive collaboration with the Department of Biology.



Geoscience Department
Indiana University of Pennsylvania
114 Walsh Hall
Indiana, Pennsylvania 15705

Dr. Steven A. Hovan, Chair
(724) 357-7662 *office*
(724) 357-5700 *fax*
email: hovan@iup.edu

October 21, 2009

To: Dr. Tom Simmons, Biology Department

From: Steve Hovan, Chairperson, Geoscience Dept

RE: proposed revision of B.S. Biology Environmental Health Track

Dear Tom,

Thank you for the summary and discussion of the proposed program revision in B.S. in Biology - Environmental Health Track offered by your Department. I've discussed these changes with the faculty in the Dept. Geoscience and we fully support your efforts with this program. We do have a suggestion we hope you'll consider when preparing your final submission. In particular, we offer a number of courses in our Department that we think would be attractive and beneficial to students interested in this degree. We hope you will consider adding these to the list of ancillary and technical electives. They are:

GEOS 203 – Surficial Processes

GEOS 310 – Environmental Geology

GEOS 311 - Geochemistry

Each of these courses provides students in Environmental Health with the tools and deeper knowledge of current issues that I think would be relevant to your students and prepare them for success in this field of study.

Good luck with your proposal. Please let me know if you have any questions or need additional information from us.

Sincerely,

A handwritten signature in black ink, appearing to read "S.A. Hovan", is written over the typed name.

Steve Hovan

Chair, Geoscience Department

Thomas Simmons

From: "Ramesh G. Soni" <rgsoni@iup.edu>
To: "Thomas Simmons" <tsimmons@iup.edu>
Sent: Tuesday 13 October 2009 11:55 AM
Subject: RE: ENVH Curriculum Proposal

Dear Tom:

After having consulted my Department faculty, I am glad to convey to you that the Department of Management supports your program revision (in spite of your proposed deletion of MGMT 310 from the required courses).

Ramesh

<p>Ramesh G. Soni, Ph.D., Chair & Professor, Management Dept, 304A Eberly COBIT (IUP) Indiana, PA 15705 USA Ph. 724 357 7786; Fax 724 357 5743</p>	<p>(www.eberly.iup.edu/rgsoni/) Office Hours: Mon: 10am to 11am Tue: 10:30am to Noon; 5pm to 6pm Wed: 10:00am to 11:00am</p>
---	--

From: Thomas Simmons [mailto:tsimmons@iup.edu]
Sent: Sunday, October 11, 2009 5:31 PM
To: Ramesh.Soni@iup.edu
Cc: Simmons, Thomas
Subject: ENVH Curriculum Proposal

Dear Ramesh,

For a number of reasons, including low enrollment and inadequate resources to support an accredited program, I have proposed to convert the B.S. in Environmental Health degree program to a B.S. in Biology / Environmental Health Track. Please see the attached proposal. If you would like any or all of the individual BIOL/ENVH course revisions/deletions, please let me know. This change would be relevant to your Department because MGMT 310 will no longer be a required course, rather, it will be recommended free elective. Since the ENVH major is so small (10 to 15 majors total), I do not anticipate any significant changes in MGMT course enrollments. A letter/memo of support would be appreciated. Thank you.

Cheers,
Tom Simmons

Thomas W. Simmons, Ph.D.
Professor of Biology
Director, Environmental Health Science Program
Indiana University of Pennsylvania
Department of Biology
114 Weyandt Hall
975 Oakland Avenue
Indiana, PA 15705
Office Telephone: 724-357-4898

Thomas Simmons

From: "John Sitton" <jfsitton@iup.edu>
To: "Thomas Simmons" <tsimmons@iup.edu>
Sent: Monday 12 October 2009 12:05 PM
Subject: Re: ENVH Curriculum Proposal

Hi Tom,

I have looked over the proposal and discussed it with a few colleagues. Political Science supports the change.

Susan Martin teaches PLSC 250 and PLSC 370 so she is glad that those will still be recommended, although no longer required. Susan had twelve years experience working for the Dept of Environmental Protection and said she knows five students from the existing major who got jobs in state government because of their background in these topics, so the poli sci component can still be helpful.

Regards,
John

— Original Message —

From: Thomas Simmons
To: John.Sitton@iup.edu
Sent: Sunday, October 11, 2009 5:24 PM
Subject: ENVH Curriculum Proposal

Dear John,

For a number of reasons, including low enrollment and inadequate resources to support an accredited program, I have proposed to convert the B.S. in Environmental Health degree program to a B.S. in Biology / Environmental Health Track. Please see the attached proposal. If you would like any or all of the individual BIOL/ENVH course revisions/deletions, please let me know. This change would be relevant to your Department because PLSC 250 and 370 will no longer be required courses, rather, they will be recommended free electives. Since the ENVH major is so small (10 to 15 majors total), I do not anticipate any significant changes in PLSC course enrollments. A letter/memo of support would be appreciated. Thank you.

Cheers,
Tom Simmons

Thomas W. Simmons, Ph.D.
Professor of Biology
Director, Environmental Health Science Program
Indiana University of Pennsylvania
Department of Biology
114 Weyandt Hall
975 Oakland Avenue
Indiana, PA 15705
Office Telephone: 724-357-4898

Thomas Simmons

From: "Lon Ferguson" <ferguson@iup.edu>
To: <tsimmons@iup.edu>
Cc: "Lon Ferguson" <ferguson@iup.edu>
Sent: Friday 30 October 2009 12:40 PM
Attach: B.S. Biology Environmental Health Track Proposal Draft 13 September 2009.doc; B.S. Environmental Health Science Deletion 13 Sept 2009.doc; ENVH Minor Deletion 13 Sept 2009.doc
Subject: ENVH Curriculum Revision

Hi Tom:

The Safety Sciences Department Faculty reviewed the proposed revision of the ENVH Curriculum. During our October 30th Department Meeting there was a unanimous vote to support this proposal. We wish you the best of luck as you move this forward for approval.

----- Original Message -----

From: Lon Ferguson
To: Wanda D Minnick ; Chris Janicak ; Jan Wachter ; John M Engler ; Laura Rhodes ; Lon Ferguson
Cc: Carleen Zoni
Sent: Monday, October 12, 2009 7:54 AM
Subject: ENVH Curriculum Revision

Hi Everyone:

I need your input on this request. Do we support this change?

----- Original Message -----

From: Thomas Simmons
To: Lon.Ferguson@iup.edu
Cc: Simmons, Thomas
Sent: Sunday, October 11, 2009 3:53 PM
Subject: ENVH Curriculum Revision

Dear Lon,

For a number of reasons, including low enrollment and inadequate resources to support an accredited program, I have proposed to convert the B.S. in Environmental Health degree program to a B.S. in Biology / Environmental Health Track. Please see the attached proposals. If you would like any or all of the individual BIOL/ENVH course revisions/deletions, please let me know. This change would be relevant to your Department because SAFE 101, SAFE 220 and SAFE 410 would be recommended free electives, and SAFE 101 and SAFE 410 would no longer be required. I would like to keep SAFE 330 and 430 as controlled electives. In the new environmental health curriculum, students would be able to meet all of the SAFE 220, 330, 410 and 430 prerequisites, if you would accept CHEM 112 in lieu of CHEM 102, and BIOL 151 in lieu of BIOL 155. I do not anticipate that you would see any change in the number of