

UNIVERSITY OF MARY WASHINGTON – PROGRAM CHANGE PROPOSAL

Electronically submit this completed form with attachments in one file to the Chair of the College Curriculum Committee.

COLLEGE (check one):	Arts and Sciences <input checked="" type="checkbox"/>	Business <input type="checkbox"/>	Education <input type="checkbox"/>
Proposal Submitted By: Lynn Lewis		Date Prepared: 11/15/19	
Department /Program:	Biological Sciences		

1. *Note: for any program change entailing the addition any new courses, or revisions to existing courses, separate proposal for those course actions must also be submitted. If the proposal involves changes in course credit hours as a part of the program change, "Change_Course_Credits" proposal forms for each course with revised credit hours must also be submitted.*

PROPOSAL TO CHANGE EXISTING PROGRAM (check no than one of the following).	
Revise requirements for existing major	
Revise requirements for a concentration within an existing major	
Revise requirements for an existing degree program	
Revise requirements for existing certificate program	
Revise requirements for existing minor	
Implementation Date: FALL semester, year:	

PROPOSAL TO CREATE NEW PROGRAM NOT REQUIRING STATE ACTION (check no more that one of the following)	
New concentration within existing major	<input checked="" type="checkbox"/> Name: Biomedical Sciences
New minor	<input type="checkbox"/> Name:
New Major but NOT a new degree*	<input type="checkbox"/> Name:
<small>*Use ONLY for interdisciplinary majors that will be grouped as part of the "Special Majors/General Liberal Arts and Sciences" degree (CIP Code 24.0101) or reported as a BLS degree (CIP Code 24.0199)</small>	
Implementation Date (semester and year):	Fall 2020

REQUIRED ATTACHMENTS FOR ALL PROPOSALS FOR PROGRAM CHANGE OR FOR NEW PROGRAMS NOT REQUIRING STATE APPROVAL:

2. **Rationale statement** (Why is this additional program needed? What purposes will it serve?)
3. **Impact Statement** (Provide details about the Library, space, budget, technology, and impacts created by this program change. Supporting statements from the Library, IT Department, etc. evaluating the resource impact and feasibility of adding the new program are required.) *If the proposal involves changes in course credit hours as a part of the program change, "Change_Course_Credits" proposal forms for each course with revised credit hours must also be submitted.*
4. **Catalog Copy** (Provide the complete Catalog Description for the proposed new program)
5. **Any change that impacts another Department must have a written statement (such as a copy of an email) from the Chair(s) agreeing to the change.**

Department Chair Approval*: Lynn O. Lewis Date: 11/15/19

CCC Chair Approval: [Signature] Date: 11/27/19

Dean Approval: [Signature] Date: 12/4/19

*COB and COE proposals approved by the Associate Dean.

BEFORE consideration by the UCC, the proposal must be approved the three levels noted above. Approval by the UCC, UFC, and Provost** are noted on the proposal "status history" at the UCC web site.

***Provost approval is required in cases of proposals for new concentrations, new minors, new majors that do not involve a new degree, or program changes involving changes to credit hours of courses in the program's requirements.*

Biomedical Sciences Track Rationale:

The Biomedical Sciences Track is designed for students interested in pursuing careers in the health sciences. The track provides students with the knowledge and the skills to be successful candidates for graduate study in a broad range of health-related fields including medical, dental, physician's assistant, nursing, physical therapy, and more.

This program provides discipline-specific knowledge required for students to pursue graduate programs in the health sciences. It provides a thorough foundation in biology's fundamental principles including organism function, cell biology, genetics, physiology and the research process. Command of these core concepts is necessary for students to understand complex biological problems and to apply their knowledge to health-related problems. Four health related natural science electives are required so that students can develop a strong understanding of the basis of human health. Additionally, students must choose one course on societal perspectives on health which will expose students to a variety of health care concerns and provide a framework for the students to understand and have empathy for their patients.

This program also emphasizes skills that students need to be effective health care providers. The capstone experience for this track focuses on the clinical experiences that are necessary for students to gain perspective on the true nature of their chosen profession and required of all health-related graduate programs. Students can utilize their health-related internships, study abroad, or research experience to apply what they have learned and satisfy the beyond the classroom learning requirement. Health related professions are attractive to a sufficient number of biology students to warrant creating a biomedical sciences track. While students can informally approximate such a track by selecting courses consistent with it, many would prefer a more defined program clearly identified on their formal academic records. Completion of a structured track may also serve as a more convincing credential to graduate schools and employers and allow them to more easily characterize and evaluate students' undergraduate preparation. UMW has in place the full range of resources needed to offer a thorough and rigorous biomedical sciences track, but our strengths in this area may not be evident to applicants without a clearly identifiable and advertised track.

Finally, this program conforms to the new general education requirements by including both SI and WI courses. For example, all sections of BIOL 451 (Senior Seminar) are designated SI; those sections that relate to health, medicine, and human biology will be included in the eligible electives list. Some sections of RI courses are also already designated SI; other sections may be in the future. All RI courses are also listed as WI; three of the RI courses (BIOL 430, 432, and 439) in the catalog are listed as electives in the major. Other RI courses in their testing stage (BIOL 472) relate to health, medicine, and human biology and will be listed as electives. Additionally, at least one section per year of BIOL 413 (currently taught as BIOL 385 and required in this major) is typically taught as WI. Finally, ENGL 202D, an elective in the "Societal Perspectives on Health" category is also WI. Thus, students will be able to select RI and WI courses in the major to meet the new requirement.

Required Courses (40 credits)

Requirements	Credits
Required Core – 19 credits	
BIOL 132, Organism Function and Diversity	4
BIOL 260, Biostatistics and Research Design	3
BIOL 340, Cell Biology	4
BIOL 341, General Genetics	4
BIOL 413, Human Physiology	4
Health Related Natural Science Electives: 4 courses from the following (2 courses must have labs)	
BIOL 301 (Anatomy of Chordates) or BIOL 384 (Human Anatomy)	4
BIOL 371, Microbiology	4
BIOL 406, Histology	4
BIOL 410, Neurobiology	4
BIOL 412, Endocrinology	4
BIOL 414, Exercise Physiology	3
BIOL 415, Nutrition and Metabolism	3
BIOL 430, Molecular Biology	4
BIOL 432, Virology	4
BIOL 439, Developmental Biology	4
BIOL 440, Biology of Cancer	3
BIOL 441, Immunology	4
BIOL 451, Senior Seminar	2
CHEM 211, Organic Chemistry I	4
CHEM 317, Biochemistry I	3
Societal Perspectives on Health – 1 course	
SOCG 334, Medical Sociology	3
SOCG 335, Global Perspectives on Health and Illness	3
PHIL 226, Medical Ethics	3
PSYC 100, Introductory Psychology	3
ENG202D – Writing About Medicine	3
Capstone – 3 credit minimum (Approved in advance by Chair of Department)	
Research (Individual Research or RI Course)	variable
Internship	variable
Study abroad	variable
Hidden Pre-requisites	
BIOL 121, Biological Concepts	4
CHEM 111, General Chemistry I	4
CHEM 112, General Chemistry II	4
CHEM 212 (Biochemistry Only)	4
SOC 105 or 155 (SOCG 334 and 335 only)	3

Impact Statement

This track would require no new resources or personnel. All required courses are currently taught regularly. All Core Courses except Human Physiology are required in the current Biology Core. If enrollment in Human Physiology increases dramatically, we will be able to add an additional section.

Catalog Copy

Requirements for the Biomedical Sciences Track. A minimum of 39 credits as follows:

1. Five required courses: BIOL 126 or 132, BIOL 260, BIOL 340, BIOL 341, and BIOL 413.
2. Four health related natural science electives (at least two courses must have labs) from BIOL 301 OR 384; BIOL 371, BIOL 406, BIOL 410, BIOL 412, BIOL 414, BIOL 415, BIOL 430, BIOL 432, BIOL 439, BIOL 440, BIOL 441, CHEM 211, CHEM 317, and approved sections of BIOL 451 and BIOL 472.
3. One course on the societal perspective on health from ENGL 202D, PHIL 226, PSYC 100, SOCG 334, or SOCG 335.
4. One capstone experience (minimum 3 credits; approved by the Chair in advance) from BIOL 491, BIO 499, study abroad, or a BIOL RI course.

Lynn Lewis (llewis)

From: Joe Romero (jromero)
Sent: Wednesday, June 5, 2019 10:49 PM
To: Lynn Lewis (llewis)
Subject: Re: Request to add Phil 226 to a Biomedical Sciences Track

Dear Lynn,

I'm happy to report that after consulting the faculty in Philosophy that the department is happy to support this proposal. Since I am not officially department chair until July 1, I wonder if you would accept an email sent to you on that date. If you don't think it makes a difference, I can send you an email as soon as tomorrow. It would read as follows:

“Dear Lynn,

After consulting with the faculty in Philosophy, I'm happy to report that the department is pleased to support the inclusion of Philosophy 226 in the list of courses that can meet the “societal perspectives on health” requirement for the proposed Biomedical Sciences Track in Biology. You are welcome to include this email as evidence of our support and confidence that the department will be offering the course with sufficient regularity to give these majors opportunities to meet the requirement with this course.

All the best,
Joe

Joseph Romero
Professor of Classics
Chair, Classics, Philosophy, and Religion”

All best,
Joe

From: "Lynn Lewis (llewis)" <llewis@umw.edu>
Date: Tuesday, June 4, 2019 at 3:22 PM
To: Joseph Romero <jromero@umw.edu>
Subject: Request to add Phil 226 to a Biomedical Sciences Track

Dear Joe:

We would like to add Philosophy 226 to the list of courses that can meet the “Societal Perspectives on Health” requirement for the proposed Biomedical Sciences Track in Biology. This track is specifically designed for students who are interested in careers in the health sciences, which may include pre-medical, pre-dental, nursing, pre-physical therapy students and more. We intend this track to give students more flexibility to take courses that are specific to their health care field, and allow them to count a greater range of courses in their major.

Students would need to take one course in the “Societal Perspectives” category, which also include Sociology, Psychology and English. This category is designed to expose students to a variety of health care concerns and provide a framework for the students to understand and have empathy for their patients. We do not anticipate any increase in students who will be taking these courses, as many students interested in pre-health majors already take these courses to fulfill admission requirements for their chosen graduate programs. I have attached a copy of our proposal for your convenience.

The Curriculum Committee requires evidence that you support our proposal and have no concerns regarding your departmental resources. If you agree that your course would be a good fit for the major track and have no objections or concerns, please respond to this email noting your support. We will attach the email exchange with the curriculum application. Should you have any questions, or wish to discuss the proposal further, please contact me through email or by phone. I will be around all summer.

I hope to hear from you soon, and we would be very pleased to have your course as part of this major track.

Sincerely,

Lynn O. Lewis, PhD
Professor and Chair
Department of Biological Sciences
University of Mary Washington
1301 College Ave.
Fredericksburg, VA 22401
540/654-1415
540/654-1081 (fax)

Lynn Lewis (llewis)

From: Janet Atarhi-Dugan (jatarthi) Sent:
Wednesday, June 5, 2019 1:57 PM
To: Lynn Lewis (llewis)
Subject: RE: Request to add HSCI 120 to a Biomedical Sciences Track

Follow Up Flag: Follow up
Flag Status: Flagged

Lynn,

Thank you for including HSCI 120 Medical Terminology for Healthcare Professionals in this exciting new track! As of now, we can support interested students either in the Fall and can take an unlimited number in the planned Summer sessions (the faculty member is willing to teach multiple sections in the summer if needed to meet demand).

If it appears that we will have more students (I'm assuming they will communicate this either to you and/or the BIO advisors), then we can reevaluate and plan to offer a course in the Spring semester.

Please let me know if you have any questions or if there is anything else we can do to support the department in this endeavor.

~Janet

Dr. Janet Atarhi-Dugan CCRN-E, CNE
Director of Nursing
University of Mary Washington
125 University Blvd
Fredericksburg, VA 22406
540-286-8024 (o)
Follow us on Twitter: <https://twitter.com/nursingumw>

“When you’ve worked hard, and done well, and walked through that doorway of opportunity, you do not slam it shut behind you. You reach back, and you give other folks the same chances that helped you succeed.” ~Michelle Obama (2013)

From: Lynn Lewis (llewis) <llewis@umw.edu>
Sent: Tuesday, June 4, 2019 3:29 PM
To: Janet Atarhi-Dugan (jatarthi) <jatarthi@umw.edu>
Subject: Request to add HSCI 120 to a Biomedical Sciences Track

Dear Janet:

We would like to add HSCI 120 – Medical Terminology to the list of potential courses that students can take as electives for the proposed Biomedical Sciences Track in Biology. This track is specifically designed for students who are interested in careers in the health sciences, which may include pre-medical, pre-dental, nursing, pre-physical therapy students and more. We intend this track to give students more flexibility to take courses that are specific to their health care field, and allow them to count a greater range of courses in their major.

We do not anticipate a large increase in students who will be taking these courses, as many students interested in pre-health majors already take these courses to fulfill admission requirements for their chosen graduate programs. However, it is possible that more graduate programs will require a Medical Terminology course, which would have an impact in the future. I have attached a copy of our proposal for your convenience.

The Curriculum Committee requires evidence that you support our proposal and have no concerns regarding your departmental resources. If you agree that your course would be a good fit for the major track and have no objections or concerns, please respond to this email noting your support. We will attach the email exchange with the curriculum application. Should you have any questions, or wish to discuss the proposal further, please contact me through email or by phone. I will be around all summer.

I hope to hear from you soon, and we would be very pleased to have your course as part of this major track.

Sincerely,

Lynn O. Lewis, PhD
Professor and Chair
Department of Biological Sciences
University of Mary Washington
1301 College Ave.
Fredericksburg, VA 22401
540/654-1415
540/654-1081 (fax)

Lynn Lewis (llewis)

From: Joe Romero (jromero)
Sent: Wednesday, June 5, 2019 7:52 AM
To: Lynn Lewis (llewis)
Subject: Re: Request to add Phil 226 to a Biomedical Sciences Track

Follow Up Flag: Follow up
Flag Status: Completed

Dear Lynn,

I have consulted with Jason and I am sure this would be a welcome addition. Let me gather a few more details so you can have a good idea of how frequently and in what format he will be offering the course so you can plan effectively. I will write again by the end of the day, I hope.

All best,
Joe

Sent from my iPhone (dictated with Siri)

On Jun 4, 2019, at 3:22 PM, Lynn Lewis (llewis) <llewis@umw.edu> wrote:

Dear Joe:

We would like to add Philosophy 226 to the list of courses that can meet the “Societal Perspectives on Health” requirement for the proposed Biomedical Sciences Track in Biology. This track is specifically designed for students who are interested in careers in the health sciences, which may include pre-medical, pre-dental, nursing, pre-physical therapy students and more. We intend this track to give students more flexibility to take courses that are specific to their health care field, and allow them to count a greater range of courses in their major.

Students would need to take one course in the “Societal Perspectives” category, which also include Sociology, Psychology and English. This category is designed to expose students to a variety of health care concerns and provide a framework for the students to understand and have empathy for their patients. We do not anticipate any increase in students who will be taking these courses, as many students interested in pre-health majors already take these courses to fulfill admission requirements for their chosen graduate programs. I have attached a copy of our proposal for your convenience.

The Curriculum Committee requires evidence that you support our proposal and have no concerns regarding your departmental resources. If you agree that your course would be a good fit for the major track and have no objections or concerns, please respond to this email noting your support. We will attach the email exchange with the curriculum application. Should you have any questions, or wish to discuss the proposal further, please contact me through email or by phone. I will be around all summer.

I hope to hear from you soon, and we would be very pleased to have your course as part of this major track.

Sincerely,

Lynn O. Lewis, PhD

Professor and Chair
Department of Biological Sciences
University of Mary Washington
1301 College Ave.
Fredericksburg, VA 22401
540/654-1415
540/654-1081 (fax)

<Biomedical Sciences Biology Track.pdf>

Lynn Lewis (llewis)

From: Chris McBride (cmcbride)
Sent: Tuesday, June 4, 2019 3:29 PM
To: Lynn Lewis (llewis)
Subject: RE: Request to add Psyc 100 to a Biomedical Sciences Track

Follow Up Flag: Follow up
Flag Status: Flagged

Hello, Lynn.

Yes, it is fine to include PSYC 100 in the list of courses to “Social Perspectives” category.

Best,
Chris

From: Lynn Lewis (llewis)
Sent: Tuesday, June 04, 2019 3:24 PM
To: Chris McBride (cmcbride) <cmcbride@umw.edu>
Subject: Request to add Psyc 100 to a Biomedical Sciences Track

Dear Chris:

We would like to add Psychology 100 to the list of courses that can meet the “Societal Perspectives on Health” requirement for the proposed Biomedical Sciences Track in Biology. This track is specifically designed for students who are interested in careers in the health sciences, which may include pre-medical, pre-dental, nursing, pre-physical therapy students and more. We intend this track to give students more flexibility to take courses that are specific to their health care field, and allow them to count a greater range of courses in their major.

Students would need to take one course in the “Societal Perspectives” category, which also include Philosophy, Sociology and English. This category is designed to expose students to a variety of health care concerns and provide a framework for the students to understand and have empathy for their patients. We do not anticipate any increase in students who will be taking these courses, as many students interested in pre-health majors already take these courses to fulfill admission requirements for their chosen graduate programs. I have attached a copy of our proposal for your convenience.

The Curriculum Committee requires evidence that you support our proposal and have no concerns regarding your departmental resources. If you agree that your course would be a good fit for the major track and have no objections or concerns, please respond to this email noting your support. We will attach the email exchange with the curriculum application. Should you have any questions, or wish to discuss the proposal further, please contact me through email or by phone. I will be around all summer.

I hope to hear from you soon, and we would be very pleased to have your course as part of this major track.

Sincerely,

Lynn O. Lewis, PhD
Professor and Chair
Department of Biological Sciences
University of Mary Washington
1301 College Ave.

Fredericksburg, VA 22401
540/654-1415
540/654-1081 (fax)

Lynn Lewis (llewis)

From: Charlie Sharpless (csharples)
Sent: Tuesday, June 4, 2019 9:20 PM
To: Lynn Lewis (llewis)
Subject: Re: Request to add Phys 101/2 or 105/6 to a Biomedical Sciences Track

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Lynn,

I am fine with this from the physics side. I expect things will also be OK with chemistry, but I am running it by my faculty for comment before I let you know.

Cheers - Charlie

=====

Charles Sharpless
Professor & Chair, Departments of Chemistry and Physics
University of Mary Washington
Fredericksburg, VA 22401
email: csharples@umw.edu
phone: (540) 654-1405
fax: (540) 654-1081

From: Lynn Lewis (llewis)
Sent: Tuesday, June 4, 2019 3:35 PM
To: Charlie Sharpless (csharples)
Subject: Request to add Phys 101/2 or 105/6 to a Biomedical Sciences Track

Dear Charlie:

We would like to add Physics 101 and 102 or 105 and 106 to the list of courses that may be taken by students in the proposed Biomedical Sciences Track in Biology. This track is specifically designed for students who are interested in careers in the health sciences, which may include pre-medical, pre-dental, nursing, pre-physical therapy students and more. We intend this track to give students more flexibility to take courses that are specific to their health care field, and allow them to count a greater range of courses in their major.

We do not anticipate any increase in students who will be taking these courses, as many students interested in pre-health majors already take these courses to fulfill admission requirements for their chosen graduate programs. I have attached a copy of our proposal for your convenience.

The Curriculum Committee requires evidence that you support our proposal and have no concerns regarding your departmental resources. If you agree that your course would be a good fit for the major track and have no objections or concerns, please respond to this email noting your support. We will attach the email exchange with the curriculum application. Should you have any questions, or wish to discuss the proposal further, please contact me through email or by phone. I will be around all summer.

I hope to hear from you soon, and we would be very pleased to have your course as part of this major track.

Sincerely,

Lynn O. Lewis, PhD
Professor and Chair
Department of Biological Sciences
University of Mary Washington
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Fredericksburg, VA 22401
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540/654-1081 (fax)

Lynn Lewis (llewis)

From: Leslie Martin (lmartin)
Sent: Monday, June 10, 2019 11:50 AM
To: Lynn Lewis (llewis)
Subject: RE: Request to add Socg 105, 334 and/or 335 to a Biomedical Sciences Track

Lynn,
Absolutely!

Leslie

From: Lynn Lewis (llewis)
Sent: Monday, June 10, 2019 11:34 AM
To: Leslie Martin (lmartin)
Subject: RE: Request to add Socg 105, 334 and/or 335 to a Biomedical Sciences Track

Hi, Leslie:

Everybody likes that change, so we will add SOCG 155. I assume I have your approval for that?

Lynn

From: Leslie Martin (lmartin) <lmartin@umw.edu>
Sent: Friday, June 7, 2019 10:53 AM
To: Lynn Lewis (llewis) <llewis@umw.edu>
Subject: RE: Request to add Socg 105, 334 and/or 335 to a Biomedical Sciences Track

Lynn –

The sociology program supports your inclusion of the attached sociology courses in the Biomedical Sciences Track in Biology.

My only suggestion – take it or not – is that you may consider adding SOCG 155 as an option. Both SOCG 105 and 155 would provide good introductory exposure to sociological perspectives on diversity and inequality; additionally, 155 often has a unit on public health (especially when I teach it).

This is exciting!

Leslie

Director, Center for Community Engagement
Associate Professor & Chair
Department of Sociology and Anthropology
University of Mary Washington
1301 College Ave.
Fredericksburg, VA 22401
540-654-1498
lmartin@umw.edu

From: Lynn Lewis (llewis)
Sent: Tuesday, June 04, 2019 2:43 PM
To: Leslie Martin (lmartin)
Subject: Request to add Socg 105, 334 and/or 335 to a Biomedical Sciences Track

Dear Leslie:

We would like to add Sociology 105, 334 and 335 to the list of courses that can meet the “Societal Perspectives on Health” requirement for the proposed Biomedical Sciences Track in Biology. This track is specifically designed for students who are interested in careers in the health sciences, which may include pre-medical, pre-dental, nursing, pre-physical therapy students and more. We intend this track to give students more flexibility to take courses that are specific to their health care field, and allow them to count a greater range of courses in their major.

Students would need to take one course in the “Societal Perspectives” category, which also includes Philosophy, Psychology and English. This category is designed to expose students to a variety of health care concerns and provide a framework for the students to understand and have empathy for their patients. We do not anticipate any increase in students who will be taking these courses, as many students interested in pre-health majors already take these courses to fulfill admission requirements for their chosen graduate programs. I have attached a copy of our proposal for your convenience.

The Curriculum Committee requires evidence that you support our proposal and have no concerns regarding your departmental resources. If you agree that your course would be a good fit for the major track and have no objections or concerns, please respnd to this email noting your support. We will attach the email exchange with the curriculum application. Should you have any questions, or wish to discuss the proposal further, please contact me through email or by phone. I will be around all summer.

I hope to hear from you soon, and we would be very pleased to have your course as part of this major track.

Sincerely,

Lynn O. Lewis, PhD
Professor and Chair
Department of Biological Sciences
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Fredericksburg, VA 22401
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540/654-1081 (fax)

Lynn Lewis (llewis)

From: Charlie Sharpless (csharples)
Sent: Wednesday, June 12, 2019 2:46 PM
To: Lynn Lewis (llewis)
Subject: RE: Request to add Phys 101/2 or 105/6 to a Biomedical Sciences Track

Hi Lynn,

Chemistry is OK with the proposal, though, as a whole, not particularly enthused about never being consulted on its construction.

Cheers – Charlie

Charles Sharpless
Professor & Chair, Departments of Chemistry and Physics
University of Mary Washington
Fredericksburg, VA 22401
email: csharples@umw.edu
phone: (540) 654-1405
fax: (540) 654-1081

From: Lynn Lewis (llewis) <llewis@umw.edu>
Sent: Tuesday, June 4, 2019 9:21 PM
To: Charlie Sharpless (csharples) <csharples@umw.edu>
Subject: Re: Request to add Phys 101/2 or 105/6 to a Biomedical Sciences Track

Works for me!

Sent from my iPhone

On Jun 4, 2019, at 9:20 PM, Charlie Sharpless (csharples) <csharples@umw.edu> wrote:

Hi Lynn,

I am fine with this from the physics side. I expect things will also be OK with chemistry, but I am running it by my faculty for comment before I let you know.

Cheers - Charlie

=====
Charles Sharpless
Professor & Chair, Departments of Chemistry and Physics
University of Mary Washington
Fredericksburg, VA 22401
email: csharples@umw.edu
phone: (540) 654-1405
fax: (540) 654-1081

From: Lynn Lewis (llewis)
Sent: Tuesday, June 4, 2019 3:35 PM
To: Charlie Sharpless (csharples)
Subject: Request to add Phys 101/2 or 105/6 to a Biomedical Sciences Track

Dear Charlie:

We would like to add Physics 101 and 102 or 105 and 106 to the list of courses that may be taken by students in the proposed Biomedical Sciences Track in Biology. This track is specifically designed for students who are interested in careers in the health sciences, which may include pre-medical, pre-dental, nursing, pre-physical therapy students and more. We intend this track to give students more flexibility to take courses that are specific to their health care field, and allow them to count a greater range of courses in their major.

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The Curriculum Committee requires evidence that you support our proposal and have no concerns regarding your departmental resources. If you agree that your course would be a good fit for the major track and have no objections or concerns, please respond to this email noting your support. We will attach the email exchange with the curriculum application. Should you have any questions, or wish to discuss the proposal further, please contact me through email or by phone. I will be around all summer.

I hope to hear from you soon, and we would be very pleased to have your course as part of this major track.

Sincerely,

Lynn O. Lewis, PhD
Professor and Chair
Department of Biological Sciences
University of Mary Washington
1301 College Ave.
Fredericksburg, VA 22401
540/654-1415
540/654-1081 (fax)

Re: Biomedical Sciences Concentration and ENGL 202D

Gary Richards (grichard)

Tue 11/19/2019 2:00 PM

To: Zach Whalen (zwhalen) <zwhalen@umw.edu>; Marie McAllister (mmcallis) <mmcallis@umw.edu>

Cc: Gary Richards (grichard) <grichard@umw.edu>

Dear Zach and Marie,

I support the inclusion of ENGL 202D: Writing about Medicine in the Biomedical Sciences Concentration. Marie and I consulted about several ENGL courses, including this one, and, even with other demands made upon these courses, I think them being *options* is fine.

Regards,
Gary

Gary Richards
Professor of English and Chair
Department of English, Linguistics, and Communication
University of Mary Washington

From: Zach Whalen (zwhalen) <zwhalen@umw.edu>
Sent: Tuesday, November 19, 2019 1:28 PM
To: Gary Richards (grichard); Marie McAllister (mmcallis)
Subject: Biomedical Sciences Concentration and ENGL 202D

Hi Gary and Marie,

I'm working through all of the currently proposed curricular changes and trying to preemptively iron out as many wrinkles as I can with all of these.

One current proposal, to create a new Biomedical Sciences Concentration for the Biology Major includes ENGL 202D as an option to fulfill one of the requirements. The proposal does not include an email from Gary affirming 202D's inclusion, so I thought it would be more efficient just to ask you all: did you know about this, and do you agree that ENGL 202D can fulfill this requirement?

I've attached the Biomedical proposal so you can see where 202D fits in. Let me know what you think.

Thanks,
Zach

Zach Whalen
Associate Professor, Dept. of English, Linguistics and Communication
University of Mary Washington
www.zachwhalen.net