

# Pittsburg State University Faculty Senate Meeting

Date:

Monday, October 31st, 2022

Time:

3:00 p.m.

Location:

Sunflower Room, Overman Student Center

#### Agenda

- I. Call to order
- II. Approval of September 26, 2022 minutes
- III. Announcements
  - A. Provost and Vice President of Academic Affairs- Dr. Howard Smith
  - B. PSU/KNEA Remarks- Khamis Siam
  - C. Student Senate Remarks- Tarryn Brenner
  - D. Unclassified Professional Senate Remarks- Tammy Higgins
  - E. University Support Staff Remarks- Diane Letner
  - F. Faculty Senate Report- Karen Johnson

### IV. Committee Reports

- A. Academic Affairs Committee Chair: Mike Carper
  - Undergraduate Curriculum Subcommittee Chair: Janet Zepernick
  - Library Services/Learning Resources Subcommittee Chair: Chase Dearinger
  - Online and Distance Learning Committee Chair: Laurent Pretot
  - Academic Honors Subcommittee Chair: Kris Lawson
  - Honors College Subcommittee Chair: Rion Huffman

- Writing Across the Curriculum Subcommittee Chair: Jason Clemensen
- Diversity and Multicultural Affairs Subcommittee Chair: Laura Washburn
- B. Student-Faculty Committee Chair: Cole Shewmake
- C. All-University Committee Chair: John Daley
- D. Faculty Affairs Committee Chair: Amy Hite
- E. Constitution Committee Chair: Casie Hermansson
- F. Pitt State Pathway Committee Chair: Bob Kehle
- G. Budget Committee Chair: Kent Runyan
- H. Academic Honesty Committee Chair: Rebeca Book
- V. Unfinished Business:
- VI. New Business:
- VII. Open Forum:
- VIII. Adjournment

Next Faculty Senate Meeting: November 28th, 2022 in the Sunflower Room, OSC

Academic Affairs - Chair: Mike Carper

No report

Undergraduate Curriculum - Chair: Janet Zepernick (Rebeca Book reporting)

Library Services - Chair: Chase Dearinger

No report

#### Online and Distance Learning - Chair: Laurent Pretot

The online and distance learning committee met on Thursday, 10/20/22 and discussed updating the distance education plan as a major goal for this year. We reviewed the current online programs landing page, our current distance education plan, and discussed how to align the distance education plan with HLC accreditation standards.

#### Academic Honors - Chair: Kris Lawson

The Academic Honors committee met with the Registrar on October 10 to discuss the process of inviting and approving AH applications and challenges the Registrar's Office faces within that process. A particular challenge that students and the Registrar's Office face is the deadline for Academic Honors applications.

The deadline is currently spelled out in the "Policies and Regulations" section of the catalog under the subheading "Academic Honors." The current policy reads:

Students must formally elect to take a course for honors by completing the Enrollment For Academics Honors form and have applications returned to the Registrar's Office, Room 103 Russ Hall, by the Monday of the 3rd full week of classes.

The Academic Honors committee suggests this policy be reworded to read (revisions are highlighted):

Students must formally elect to take a course for honors during the Spring or Fall semesters by completing the Enrollment For Academic Honors form and having applications returned to the Registrar's Office, Room 103 Russ Hall, by the fifteenth class day of that semester; students applying to take a course for honors during the Summer semester must complete and submit the application to the Registrar's Office by the first class day of the 13<sup>th</sup> week of the Spring semester.

The changes will

- 1. clear up confusion caused by Monday holidays early in each semester, and
- 2. allow for an orderly application process for students who want to complete an Academic Honors project during the summer. Setting the summer due date as the first class day of the 13<sup>th</sup> week of Spring will account for any Monday holidays, allow for enrollment in the class in question (as enrollment typically happens in week 11), and allow the appropriate Academic Honors committees to meet and discuss the applications while committee members are still on contract.

The committee requests a first reading at the October Faculty Senate Meeting with an anticipated vote on the new policy at the November meeting.

#### Honors College - Chair: Rion Huffman

The chair of Honors College Committee along with the Faculty Senate President and Parliamentarian met with the Provost, Dr. Smith on October 5<sup>th</sup> to discuss the possibility of naming a faculty member to assist Heather Eckstein in carrying out the duties of the Interim Director position. The plans to make this appointment were confirmed by the Provost. This position has not been filled yet, with more information to follow. The committee met on Monday, October 24<sup>th</sup> to create a timeline of action items to work on the reimagining of the Honors College.

#### Writing Across the Curriculum - Chair: Jason Clemensen

The Writing Across the Curriculum Committee met on Wednesday October 12th at 8:30am. The committee discussed the plans to review the Fall 2022 Writing to Learn best practices submissions. The committee reviewed how to access the documents within Canvas. There are 41 submissions. Each committee member has been assigned 6 submissions to score against the rubric provided. Submissions are to be scored no later than October 27<sup>th</sup>.

### Diversity and Multicultural Affairs - Chair: Laura Washburn

Diversity and Multicultural committee shares information as they can on campus events. If you have events, surveys, or curriculum around diversity, equity, inclusion, or multicultural programs, please send to any member of the committee or to the chair Laura Washburn.

Student-Faculty - Chair: Cole Shewmake

A question was raised regarding the start date of dead week. Upon follow-up with the Registrar, dead week is defined as "Monday - Friday".

All-University - Chair: John DaleyNo report

Faculty Affairs - Chair: Amy Hite

Faculty Affairs: Khamis Siam will serve as Recorder. Sabbatical requests have been reviewed, ranked, and forwarded to the Provost. Continue to review travel requests, balance \$83,589.07. Meeting Oct 31 to review travel requests/expenses and current request form. Will provide update at November meeting.

Constitution - Chair: Casie Hermansson

No report

#### Pitt State Pathway - Chair: Bob Kehle

The Pitt Pathway Committee has passed the following English courses for inclusion in the Pathway courses:

117

118

121

122

123

124

124

125

We still have 1 course pending. The survey had only 10 respondents.

Budget Committee – Chair: Kent Runyan

No Report

Academic Honesty - Chair: Rebeca Book

No Report

	Voting Change	Members A	oproval of P	roposed	Ex-
	Goede	Hutchen	Pross	Zepernick	Offici Book
	ke	S			Not
Dept: Tech & Workforce Learning		71			preser
Request for Revision to Curriculum					
Change name of "Associate of Applied Science with a Major in AMMT" to "Associate of Applied Science with a major in Wood Product Manufacturing"	X	X	X	X	
Change name of "Bachelor of Applied Science with a Major in AMMT" to "Bachelor of Applied Science with a major in Wood Product Manufacturing"	Х	х	х	X	
Change name of "Bachelor of Science with a Major in AMMT" to "Bachelor of Science with a major in Wood Product Manufacturing"	х	Х	X	х	
equest for Revision to Course			1		
AMMT-182 prefix and name change to WPM - 182	X	X	X	X	
AMMT-185 to WPM - 185	X	X	X	X	
AMMT-226 to WPM -226	X	X	X	X	
AMMT 282 to WPM - 282	X	X	X	X	_
AMMT 286 to WPM - 286	X	X	X	X	
AMMT 300 to WPM 300	X	X	X	X	
AMMT 301 to WPM 301	X	X	X	X	
AMMT 326 to WPM 326	X	X	X	X	
AMMT 333 to WPM 333	X	X	X	X	
AMMT 383 to WPM 383	X	X	X	X	
AMMT 399 to WPM 399	X	X	X	X	
AMMT 400 to WPM 400	X	X	X	X	
AMMT 412 to WPM 412	X	X	·X	X	
AMMT 426 to WPM 426	X	X	X	X	
AMMT 454 to WPM 454	X	X	X	X	
AMMT 511 to WPM 511	X	X	X	X	
AMMT 523 to WPM 523	X	X	X	X	
AMMT 525 to WPM 525	X	X	X	X	
AMMT 585 to WPM 585	X	X	X	X	
AMMT 602 to WPM 602	X	X	X	X	
AMMT 691 to WPM 691	X	X	X	X	
AMMT 692 to WPM 692	X	X	X	X	
AMMT 699 to WPM 699	X	X	X	X	
WT 795 to WPM 795	X	X	X	X	

Request for Deletion of Curriculum					1
Deletion of Wood Product Manufacturing emphasis	X	X	X	X	
Deletion of Wood Teacher Training emphasis	X	X	X	X	
		+			-
Dept: BIO		-			
Request for Revision to Curriculum		_			
Add courses to Criminal Justice Major*	X	X	X	X	_
Request Revision to Course				A	
BIOL-303 - lowering prerequisite requirment to make course more accessible for non-bio majors	X	X	X	X	
BIOL 535 - adding BIO 330 as a prereq.	X	X	X	X	
BIOL 576 - change the prerequisites from BIOL 111, 211/212 to BIOL 330 to make it easier for SSRM students who choose to enrol	X	X	X	X	
Request for new course					
BIOL 400 - Introduction to Undergraduate Research	х	X	X	x	
Dept: EML					
Request for Revision to Curriculum	-				
ENGL 113 General Literature to ENGL 113 Literature and	X	X	X		
Culture Request for new course		^	A	X	
7					
ENGL 117 Introduction to Fiction - recommend removing the phrase "by men and women"	X	X	X	X	
ENGL 118 Introduction to Poetry - recommend removing the phrase "by men and women"	х	X	х	X	
ENGL 121 Intro to Anti-Racist Literature	X	x	X	X	
ENGL 122 Intro to Women's Literature	x	x	X	X	
ENGL 123 The Citizen in Literature	X	X	х	X	
ENGL 124 Health and Literature	X	X	X	X	
ENGL 125 Introduction to Horror in Ltierature	X	X	x	x	
			_		
Dept: History, Philosophy, and Social Sciences					
equest for Revision to Curriculum		-			
Multicultural Studies Minor description and allowed courses	X	x	X	X	
equest Revision to Course			-		_
Name and description change: HIST 660 Industrial America to HIST 660 American Gilded Age	X	X	X	x	
ept: Engineering Technology					
equest for Revision to Curriculum		-			

Substitute MECET 121 for MFGET 160 in Manufacturing Management minor	X	X	X	х	
equest Revision to Course					
Description change of: MECET 121 to reflect the recommended sequences within the program	Х	х	x	X	
Name and description change of: MECET 226 "Computer Aided Design" to MECET 226 "Engineering Graphics II"	x	X	х	x	
Name and description change of: MECET 323 "Advanced Engineering Graphics" to MECET 323 "Industrial Graphics"	x	х	X	x	
Name and description change of: MECET 528 "Computer Aided Modeling" to MECET 528 "Engineering Graphics III"	х	x	х	x	
ept: Interdisciplinary Studies (Women's Studies)					
equest for Revision to Curriculum					
Offer more classes for those seeking a minor in Women's and Gender Studies	х	х	х	X	
Offer more classes for those seeking a minor in Women's Health	Х	Х	х	х	
*Approved subject to correction of hours required in Major cu summary.					
"Required Core" should state (21-22) rather than (22-23) in b sections.	oth curren	and prop	osed major		

	Voting N	lembers Appr	oval of Prop	Voting Members Approval of Proposed Changes Ex-Officio	Ex-Officio
	Goedeke	Hutchens	Pross	Zepernick	Book
Dept: Communication Request for Revision to Course COMM 544 to accept COMM 436 as an additional prerequisite	×	×	×	×	
Dept: History, Philosophy, and Social Sciences Request for Revision to Course HIST 430 name change to : Historical Methods	×	×	×	×	
Dept: Physics         Request for new course         PHYS 302 - Scientific Programming with Python         Request for Revision to Curriculum	×	×	×	×	
Adding PHYS 302 to replace CIS 230, keeping 230 as optional sub, remove CIS 240 as sub	×	×	×	×	

<sup>\*</sup>Approved subject to correction of hours required in Major curriculum summary. "Required Core" should state (21-22) rather than (22-23) in both current and proposed major sections.

# Request for Revision to Course

(Undergraduate Course Numbers through Course Number 699)

Department: Communication College: Arts and Sciences Submission Date: 03/28/22 Faculty member Chair Contact Person: Megan Westhoff Revision Effective: Fall 2022 (Semester/Year) Offered: (check all that apply) **⊠** Fall Spring Summer Is this revision related to, and/or affect, any other departments/college/unit curricula or programs at Pittsburg State University? Yes No Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred. This revision only affects students majoring in Communication with a theatre or communication education emphasis, who are required to enroll in COMM 544 Stage Direction to meet the requirements of their degree. Purpose/Justification for Revision to Course: Prior to the recent revision of our Department of Communication curriculum, students in the theatre emphasis were required to take COMM 363 Stagecraft. After the curriculum revision, students in the theatre emphasis have the option to take one of two technical theatre courses, either COMM 363 Stagecraft or COMM 463 Technical Production. This proposed revision to the course prerequiste will reflect the current curriculum. **Existing Course:** Course Number: COMM 544 Title of Course: Stage Direction Credit Hours: 3 Prerequisite: COMM 254 Acting Studies and COMM 363 Stagecraft or permission of instructor Course Description (as it appears in the current catalog): The fundamentals of stage direction. Emphasis on script analysis, proper blocking, preparation of the script for the actors, technicians and managers. Provides experience in directing a one-act play. Prerequisites: COMM 254 Acting Studies and COMM 363 Stagecraft or permission of instructor. **Proposed Course:** 

Course Number: COMM 544

Title of Course: Stage Direction

Credit Hours: 3

Prerequisite: COMM 254 Acting Studies and either COMM 363 Stagecraft or COMM 463 Technical Production or permission of instructor

Course Description (<u>as it will appear in the next catalog</u>): The fundamentals of stage direction. Emphasis on script analysis, proper blocking, preparation of the script for the actors, technicians and managers. Provides experience in directing a one-act play. Prerequisites: COMM 254 Acting Studies and either COMM 363 Stagecraft or COMM 463 Technical Production, or permission of instructor.

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Adc	lition	ลเ ()แ	estions

1.	Is this course to be considered for PittState Pathway?  Yes No  If "yes," please complete the Pitt State Pathway Course Approval Form found on the Faculty Senate webpage.
	Please realize that this requirement will need to gain approval of the Pitt State Pathway Committee after the revisions have been approved by Faculty Senate.
2.	Will this course be required of any education majors? X Yes No If "yes," please realize that this requirement will need to have the approval of the Council for Teacher Education.
3.	What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?  None

# PITTSBURG STATE UNIVERSITY LEGISLATIVE PROCESS AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

	Approved: Department Chairperson  Date Signature, Department Chairperson Celia Patterson
	Celia Paπerson
	Approved: College Curriculum Committee  Date 5/2/22 Signature, College Curriculum Committee Chair Mary Carol Pomatto
	Approved: Dean of College Date 5/2/22 Signature, Dean Mary Carol Pomatto
	Approved: Council for Teacher Education (if applicable)  Date Signature, Council for Teacher Education Chair
	Approved: Faculty Senate University Undergraduate Curriculum Committee  Date 10/10/22 Signature, Undergraduate Curriculum Committee Chair
	Approved: Faculty Senate  Date Signature, Presidant, Faculty Senate
	Approved: Pitt State Pathway Committee (if applicable)  Date Signature, Pitt State Pathway Committee Chair
	Approved: Faculty Senate  Date Signature, President, Faculty Senate
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Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process.

Originating Department: Please complete this form and upload to the SharePoint, "Undergraduate Curriculum Legislation" (within the appropriate College folder, "Preliminary Legislation"), to allow for review and questions. Any modifications should be saved as "original file name.version2.docx" (e.g. MATH 343.version 2.docx) and uploaded as well.

Please print the final version of this form, apply the appropriate signatures, and forward to the Office of the Registrar.

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# Request for Revision to Course

(Undergraduate Course Numbers through Course Number 699)

Department: <u>History, Philosophy, and Social Sciences</u> Submission Date: <u>March 2022</u> College: <u>Arts &amp; Sciences</u>
Contact Person: Kris Lawson
Revision Effective: Fall 2022 (Semester/Year)
Offered: (check all that apply)    Fall   Spring   Summer
Is this revision related to, and/or affect, any other departments/college/unit curricula or programs at Pittsburg State University?  Yes No
Whether a "yes" or "no" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of e-mails, memos, etc.) that have occurred.  Update of course title does not affect any other PSU program.
Purpose/Justification for Revision to Course: Revising title to reflect longstanding trends in the Historical profession.
Existing Course: Course Number: HIST 430
Title of Course: History: Theory and Practice
Credit Hours: 3
Prerequisite: 9 hours of history and sophomore standing or permission of instructor
Course Description (as it appears in the current catalog): Introduction to basic historical research methods and writing, library usage, and bibliographical aids.
Proposed Course:
Course Number: HIST 430
Title of Course: <u>Historical Methods</u>
Credit Hours: 3
Prerequisite: 9 hours of history and sophomore standing or permission of instructor
Course Description (as it will appear in the next catalog): Introduction to basic historical research methods and writing

library usage, and bibliographical aids.

Additional (	<b>Duestions</b>
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1.	Is this course to be considered for PittState Pathway?  Yes  No  If "yes," please complete the Pitt State Pathway Course Approval Form found on the Faculty Senate webpage.
	Please realize that this requirement will need to gain approval of the Pitt State Pathway Committee after the revisions have been approved by Faculty Senate.
2.	Will this course be required of any education majors? X Yes No  If "yes," please realize that this requirement will need to have the approval of the Council for Teacher Education.
3.	What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?  None

# PITTSBURG STATE UNIVERSITY LEGISLATIVE PROCESS

**AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET** 

NA.	Approved: Department Chairperson Date 3/28/23 ignature, Department Chairperson
	Approved: College Curriculum Committee  Date 5/2/22 Signature, College Curriculum Committee Chair Carol Pomatto
	Approved: Dean of College Date 5/2/22 Signature, Dean
	Approved: Council for Teacher Education (if applicable)  Date Signature, Council for Teacher Education Chair
	Approved: Faculty Senate University Undergraduate Curriculum Committee  Date 10/10/22 Signature, Undergraduate Curriculum Committee Chair
	Approved: Faculty Senate  Date Signature, Presidant, Faculty Senate
	Approved: Pitt State Pathway Committee (if applicable)  Date Signature, Pitt State Pathway Committee Chair
	Approved: Faculty Senate  Date Signature, President, Faculty Senate

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# **Request for New Course**

(Undergraduate Course Numbers through Course Number 699)

Department: <u>Physics</u>	College: Arts & Science	<u>es</u>	Submission Date: <u>06/14</u>
Contact Person: David W	7. Pearson		☐ Faculty member ☐ Chair
Is this new course propos Pittsburg State University		ect, any other department's/college's	/unit's curricula or programs at
Yes No			<b>;</b> ,
Whether a "yes" or "no" r of e-mails, memos, etc.) ti		an explanation. Provide documentat	ion of any discussions (e.g. copies
		CIS 230 - Introduction to Programmi	
		pare the students for PHYS 502 - Com gramming language, Python, as well a	
		ion for science students who may onl	
Proposed Course:			
Course Number: PHYS 30	2		
Title of Course: Scientific	Programming with Pyth	<u>on</u>	
Credit Hours: 3			i w
Date first offered: <u>SP 202:</u> (Semester	_	Spring Summer eck all that apply)	•
Prerequisite: <u>MATH 019 In</u> or MATH 150 Calculus (	ntermediate Algebra or I	MATH 110 College Algebra with Revie	w or MATH 113 College Algebra
<u>oriented programming usi</u>	ing the Python program	atalog): An introduction to the basic of ming language. Python programming take graphs, fit functions to data, and	libraries that are useful for
Programming. This course first learning programming standard language in man courses, especially PHYS 5	uses either Visual Basic g, it is difficult for stude y areas, Physics included 02 - Computational Physics	nts majoring in physics are required to or C++ as the language to introduce that to separate the concepts from the d, and can be far more beneficial to or sics, and their future careers. Additional their degree requirements.	the programming concepts. When language. Python is the defacto ur students in their future
Objectives/Student Learni See attached syllabus. The	-	• •	
Assessment Strategies (e.g See attached syllabus. The		ersity rubric, etc. (as it will appear in a	the syllabus)] .

If you wish to attach a syllabus, you may attach it to the end of this document as part of the packet.

# **Additional Questions**

1.	Additional resources required (e.g. library or multimedia resources, technology, space, major expense, etc.): None
2.	Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)?  Yes No If "yes," please realize that it will need to gain approval of the President's Council.
	Please give the rationale for additional student fees:
3.	Is this course to be considered for Pitt State Pathway?  Yes No
	If "yes," please indicate the University's Pitt State Pathway Goals met by this course AND the assessment data that will be collected to measure these goals:
	Please realize that this requirement will need to gain approval of the Pitt State Pathway Committee after it has been approved by Faculty Senate as a new course.
4.	Will this course be required of any education majors?   Yes No  If "yes," please realize that this requirement will need to have the approval of the Council for Teacher Education.
5.	What additional costs will be required for this course (e.g. staffing, equipment, etc.)?  None

# PITTSBURG STATE UNIVERSITY LEGISLATIVE PROCESS AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

X	Approved: Department Chairperson  Date 6/14/22 Signature, Department Chairperson
	Approved: College Curriculum Committee  Date 9/2/22 Signature, College Curriculum Committee Chair
	Approved: Dean of College Date 9/2/22 Signature, Dean
	Approved: Council for Teacher Education (if applicable)  Date Signature, Council for Teacher Education Chair
	Approved: Faculty Senate University Undergraduate Curriculum Committee  Janet Zepernick  Date 10/10/22 Signature, Undergraduate Curriculum Committee Chair
	Approved: Faculty Senate  Date Signature, Recording Secretary, Faculty Senate
	Approved: PittState Pathway Committee (if applicable)  Date Signature, Pitt State Pathway Committee Chair

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process.

Originating Department: Please complete this form and upload to the SharePoint, "Undergraduate Curriculum Legislation" (within the appropriate College folder, "Preliminary Legislation"), to allow for review and questions. Any modifications should be saved as "original file name.version2.docx" (e.g. MATH 343.version 2.docx) and uploaded as well.

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# PHYS302 | Scientific Programming with Python

Syllabus - Spring 2023

Instructor Info  Dr. David W. Pearson when dwpe	earson@pittstate.edu	
To be determined (TBD)		Or by apt
Course Info		
♥ TBD 📛	TBD	<b>②</b> ТВD
Introduction to Scientific Programming with Pytho	on, David W. Pearson,	ISBN: Course Pack
Grading		
Breakdown	Scale	
Programming Projects50%		
Concept Quizzes30%	B *	
Final20%	<u>C</u>	
	D	
	F	< 60%

#### **Overview**

This course will introduce you to the basic elements and concepts of object-oriented programming using the Python programming language. Later in the course, Python libraries that are useful for scientific programming are explored in order to make graphs, fit functions to data, and perform some elementary data analysis.

## **Objectives & Student Learning Outcomes**

After completing this course, you should be able to:

- · Write basic computer programs in Python.
- Write Python code that follows the PEP8 style guide.
- Apply problem solving strategies to create a computer program.
- Understand core programming concepts such as libraries, variables, arrays, loops, control logic, functions, and classes.
- Use Python in the interactive, command line mode for quick number crunching.
- · Fit functions to, and make graphs of data in Python.
- Perform basic data analysis in Python, such as finding means, standard deviations, and creating histograms.
- · Know where to find online resources to help you further your programming ability.

### **Programming Projects**

The primary mode of assessment in this course will be the completion of programming projects. These projects will require you to use your knowledge of the programming concepts being taught to create a simple computer program. Along with the program source code, you will also prepare a brief written description of how you approached the problem and the programming concepts you applied to achieve the solution. Projects will be graded on the following criteria.

- The program, as submitted, functions as intended and solves the problem. This means the program executes completely, produces the desired output, and doesn't issue any warnings or errors.
- The program, as submitted, uses the appropriate programming concepts to efficiently solve the problem.
   There are often a multitude of ways to solve the same problem with programming. For example you could copy and paste a line of code one hundred times to solve an iterative calculation, however, a program loop will accomplish the same task in two lines of code, and would be easily extensible to larger numbers of iterations.
- The program, as submitted, follows the PEP8 style guide for Python programs. These guidelines are
  meant to ensure program readability, and will save you time in the future should you need to revisit an old
  program.
- The written description clearly conveys an understanding of the problem to be solved by the program.
   You cannot hope to solve a problem that you do not comprehend.
- The written description clearly conveys an understanding of the programming concepts used in the solution to the problem.
- The written description clearly conveys the approach to solving the problem such that another person
  familiar with programming would be able to write their own program to solve the problem in the same way,
  without consulting the source code.

## **Concept Quizzes**

There will be frequent, short quizzes, i.e. approximately weekly, 10-15 minutes quizzes. These quizzes will take place in class and will be completed in an "unplugged" manner, meaning the traditional pen and paper method. Each quiz will test your knowledge of a particular programming element or concept that we have recently reviewed in class.

#### **Final Exam**

The final exam in this course will consist of two parts. The first part will be similar to the concept quizzes, but longer and comprehensive. You will be given questions to to test your knowledge of all the concepts that we have explored throughout the semester. The second part of the final will be a programming challenge. You will be asked to solve an elementary problem, similar to one you solved in a programming project. In this part you must write the program, and get it to function as intended. During the programming challenge, you will be permitted to consult online documentation for Python libraries as needed, but not websites like Stack Overflow.

# Request for Revision to Curriculum

Revision for:	Major	Minor	Emphasis	Certificate	
Department: Physics	College: Art	ts & Sciences			
Submission Date: 06/14	4/2022			Revision Effective	
Contact Person: <u>David</u>	W. Pearson			⊠ Facult	(Year) cy member 🔲 Chair
Name of Existing Major	r or Minor/Emp	hasis/Certificate	: <u>Physics</u>		
If proposing a name	e change to ma	jor or minor/em	ohasis/certificate,	indicate Proposed Name (	Change:
	0 Introduction	to Programming	, while keeping CIS	Programming with Pythor 3-230 as an allowed substi 30 as a prerequisite.	
the needs of physics stu in a 300 level physics co	udents, and bet ourse for majors dents to continu	ter prepare then s, helping them t	n for PHYS-502 Co o fulfill their degre	w course, PHYS-302, will be mputational Physics. Adding requirements. Keeping in the event that they can	tionally, this will build CIS-230 as an allowed
Is this revision related t university? Yes No	o, and/or may a	affect, any degre	e program or mind	or/emphasis/certificate at	any other Regent
Whether a "yes" or "no This is a minor change o		•	•	rg State.	
ls this revision related to Pittsburg State Universi ☐ Yes ☑ No		affect, any other	department's/coll	ege's/unit's curricula or p	programs at
Whether a "yes" or "no of e-mails, memos, etc.) This is purely a change t	) that have occu	ırred.	planation. Provide	documentation of any di	scussions (e.g. copies
Existing Major or I Copy and paste the exis Core Requirements (39	ting curriculum	_		ne catalog:	
Physics PHYS-500 Mathemat PHYS-510 Analytical   PHYS-512 Electricity   PHYS-516 Modern Ph PHYS-530 Intermedia	Mechanics I (3 I and Magnetism hysics I (3 hours	hours) n I (3 hours) s)	hours)		
PHYS-699 Senior Rev	iew and Assess	ment (1 hour)			

Request for Revision to Curriculum- Major or Minor/Emphasis/Certificate- Revised Summer

Other
CHEM-215 General Chemistry I (3 hours)
and CHEM-216 General Chemistry I Laboratory (2 hours)
CHEM-225 General Chemistry II (3 hours)
and CHEM-226 General Chemistry II Laboratory (2 hours)
MATH-150 Calculus I (5 hours)
MATH-155 Calculus II (5 hours)
CIS-230 Introduction to Programming (3 hours)
or CIS-240 Intermediate Programming (3 hours)

# **Proposed Major or Minor/Emphasis/Certificate:**

List below, the proposed curriculum as you wish it to appear in the online catalog: Core Requirements (39 hours)

Physic

Physics
PHYS-302 Scientific Programming with Python (3 hours)
or CIS-230 Introduction to Programming (3 hours)
PHYS-500 Mathematical Physics (3 hours)
PHYS-510 Analytical Mechanics I (3 hours)
PHYS-512 Electricity and Magnetism I (3 hours)
PHYS-516 Modern Physics I (3 hours)
PHYS-530 Intermediate Physics Laboratory () (3 hours)
PHYS-699 Senior Review and Assessment (1 hour)
Other
CHEM-215 General Chemistry I (3 hours)
and CHEM-216 General Chemistry I Laboratory (2 hours)
CHEM-225 General Chemistry II (3 hours)
and CHEM-226 General Chemistry II Laboratory (2 hours)

\_\_ MATH-150 Calculus I (5 hours) \_\_ MATH-155 Calculus II (5 hours)

# **Additional Questions**

1.	Additional resources required (e.g. library or multimedia resources, technology, space, major expense, etc.): None
2.	Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)?  Yes No If "yes," please realize that it will need to gain approval of the President's Council.
	Please give the rationale for additional student fees: ———
3.	Will this revision have specific PittState Pathway courses required?  Yes  No  Please realize that this requirement will need to gain approval of the PittState Pathway Committee.
4.	Will this revision affect any education majors?
5.	What additional costs will be required for this modification (e.g. staffing, equipment, etc.)? None
Addit	ional Questions for certificate only:
1.	Are students pursuing only this certificate eligible for federal financial assistance based on federal guidelines? (minimum of 24 hours)   Yes  No
2.	Does the course content contained within this certificate provide relevance to employment opportunities or meet professional objectives for the student?   Yes No
	If "yes," to both questions, it is the department's responsibility to send a copy of this legislation form to the Director of Financial Assistance to initiate Department of Education approval.

# PITTSBURG STATE UNIVERSITY LEGISLATIVE PROCESS AUTHORIZATION/NOTIFICATION SIGN-OFF SHEET

$\boxtimes$	Approved: Department Chairperson  Date 6/14/22 Signature, Department Chairperson
	Approved: College Curriculum Committee  Date 9/6/22 Signature, College Curriculum Committee Chair Mary Carol Pomatto
	Approved: Dean of College Date 9/6/22 Signature, Dean Mary Carol Pomatto
	Approved: PittState Pathway Committee (if applicable)  Date Signature, PittState Pathway Committee Chair
	Approved: Council for Teacher Education (if applicable)  Date Signature, Council for Teacher Education Chair
	Approved: Faculty Senate University Undergraduate Curriculum Committee  Janet Zepernick  Date 10/10/22 Signature, Undergraduate Curriculum Committee Chair
	Approved: Faculty Senate  Date Signature, Recording Secretary, Faculty Senate
	Final approved packet forwarded to Provost's office.  Date Signature, Recording Secretary, Faculty Senate
Notifica	ation to COCAO/Kansas Board of Regents (if required):  Date:

Each college curriculum representative will notify their respective college and department(s) of the completion of the approval process. If COCAO/KBOR approval is required, questions should be directed to the Provost's administrative officer at x4113.

Originating Department(s): After completing this form, in its entirety, please upload it to the SharePoint, "Undergraduate Curriculum Legislation" (within the appropriate College folder, "Preliminary Legislation"), to allow for review and questions. Any modifications should be saved as "original file name.version2.docx" and uploaded as well.

Following final College Curriculum Committee approval, please print the final version of this form, apply the appropriate signatures, and forward to the Office of the Registrar.

Following Faculty Senate Approval, SUBMIT (if required) SIGN-OFF SHEET AND FINAL COMPLETE PACKAGE, in electronic format, TO THE OFFICE OF THE PROVOST (220 RUSS HALL). Please check with the Provost's administrative officer at x4113 if unsure.

Please Note: This is at least a 2-3 month process from the time of first submission and is designed to eliminate concerns and questions at the beginning of the process. Any questions/concerns not addressed prior to the review by the College Curriculum Committee and the Faculty Senate University Undergraduate Curriculum Committee, may result in an additional month added to the process, before it is sent (if required) to the Kansas Board of Regents, which may result in a delay in implementation.