



# **Pittsburg State University**

## **Faculty Senate Meeting**

**Date:** Monday, January 29, 2024  
**Time:** 3:00 p.m.  
**Location:** Sunflower Room, Overman Student Center

### **Agenda**

**I. Call to order**

**II. Speakers:**

**A. Dr. Dan Shipp – PSU Updates**

**B. Jaime Dalton – GorillaPlan (strategic plan) software**

**III. Approval of December 11, 2023 Minutes**

**IV. Announcements**

- A. Provost and Vice President of Academic Affairs- Dr. Howard Smith**
- B. PSU/KNEA Remarks- Amy Hite**
- C. Student Senate Remarks- Jaben Parnell**
- D. Unclassified Professional Senate Remarks – Greg Belcher**
- E. University Support Staff Remarks - Cindy VanBecelaere**
- F. Faculty Senate Report- Rebeca Book**

**IV. Committee Reports**

- A. Academic Affairs Committee - Chair: Norm Philipp**
- B. Undergraduate Curriculum Subcommittee - Chair: MaryJo Goedeke**
- C. Library Services/Learning Resources Subcommittee - Chair: Chris Labuda**
- D. Online and Distance Learning Committee - Chair: Kelly Woestman**
- E. Academic Honors Subcommittee - Chair: Jamie Wood**
- F. Honors College Subcommittee - Chair: Michelle Hudiburg**
- G. Writing Across the Curriculum Subcommittee - Chair: Lydia Bechtel**
- H. Diversity and Multicultural Affairs Subcommittee - Chair: Laura Washburn**
- I. Student-Faculty Committee - Chair: David Weaver**
- J. All-University Committee - Chair: Anna Beth Gilmore**
- K. Faculty Affairs Committee - Chair: Jonathan Dresner**
- L. Constitution Committee - Chair: Mark Johnson**
- M. General Education Committee - Chair: Mark Johnson**
- N. Budget Committee - Chair: MaryJo Goedeke**
- O. Academic Honesty Committee - Chair: Norm Philipp**

V. **Unfinished Business:**

A. **Course syllabi**

B. **General Education**

VI. **New Business:**

VII. **Open Forum:**

Next meeting IRB will be invited and specific questions are needed beforehand.

VIII. **Adjournment**

**Academic Affairs –**

Chair: Norm Philipp  
 Recorder: David Weaver  
 No report.

**Undergraduate Curriculum –**

Chair: MaryJo Goedeke  
 Recorder: Shelby Hutchens

UGCC Meeting 1/19/2024		Voting Members Approval of Proposed Changes			
		Goedeke	Hutchens	McCay	Lawson
	Present:	x	x	x	x
Dept: HHPS					
Revision to Major Form	Accelerated Master's Degree - History - <b>Needs Council for Teachers Ed to sign off on it</b>	x	x	x	x
Dept: Biology					
Revision to Major Form	Biology Education	x	x	x	x
Depts: Construction					
Course Revision Form	CMCET 332	x	x	x	x
	CMCET 333	x	x	x	x
	CMCET 338	x	x	x	x
	CMCET 340	x	x	x	x
	CMCET 537	x	x	x	x
	CMCET 639	x	x	x	x
	CMCET 651	x	x	x	x
	CMCET 691	x	x	x	x
	EST 400	x	x	x	x
	EST 614	x	x	x	x
Deletion of Course	CMCET 435	x	x	x	x
	CMCET 652	x	x	x	x
New Course	CMCET 606	x	x	x	x
	EST 645	x	x	x	x
Revision to Major Form	Construction Engineering Tech - there was a duplicate submitted	x	x	x	x
	Construction Management	x	x	x	x
	Interior Design	x	x	x	x
Deletion of Emphasis	Environmental & Safety Management	x	x	x	x
	Environmental & Safety Management x2	x	x	x	x
Revision to Minor	Revision of Safety Management Minor	x	x	x	x
	Revision of interior design minor	x	x	x	x
Dept: Communication					
Revision to Course Form	Comm 207 - <b>Needs Council for Teachers Ed to sign off on it</b>	x	x	x	x
	Comm 474	x	x	x	x
Dept: Math					
Revision to Major Form	Computer Science	x	x	x	x
Revision to Course Form	MATH 413 - <b>Needs Council for Teachers Ed to sign off on it</b>	x	x	x	x
	MATH 513 - <b>Needs Council for Teachers Ed to sign off on it</b>	x	x	x	x
	MATH 557	x	x	x	x
	MATH 626	x	x	x	x

**Library Services –**

Chair: Chris Labuda

Recorder: Beth Hendrickson

No report.

**Online and Distance Learning –**

Chair: Kelly Woestman

Recorder: Paige Boydston

No report.

**Academic Honors –**

Chair: Jamie Wood

Recorder: Jessica Jorgenson Borchert

No report.

**Honors College –**

Chair: Michelle Hudiburg

Recorder: Anuradha Ghosh

No report.

**Writing Across the Curriculum –**

Chair: Lydia Bechtel

Recorder: Carol Meza-Bakke

No report.

**Diversity and Multicultural Affairs –**

Chair: Laura Washburn

Recorder: Kristen Maceli

No report.

**Student-Faculty –**

Chair: David Weaver

Recorder: Jessica Jorgenson Borchert

No report.

**All-University –**

Chair: Anna Beth Gilmore

Recorder: Jason Reid

No report.

**Faculty Affairs –**

Chair: Jonathan Dresner

Recorder: Kevin Elliott

No report.

**Constitution –**

Chair: Mark Johnson

Recorder: Beth Hendrickson

No report.

**General Education –**

Chair: Mark Johnson

Recorder: Lora Winters

No report.

**Budget Committee –**

Chair: MaryJo Goedeke

Recorder: Karen Johnson

No report.

**Academic Honesty –**

Chair: Norm Philipp

No report.

## Faculty Senate Curriculum Change Form

Effective Date: FALL 2024

Submission Date:

Department: Biology

College: Arts & Sciences

Contact Person: Christine Brodsky

Faculty

### Revision Major

If Emphasis, enter name of the Major: Biology Education

***If selection is "Deletion" complete questions 2, 3, 4, & 5, then complete signatures.***

Originating Department(s): After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation", to allow for review and questions. Any modifications should be saved as "original file name.v2.docx" and uploaded as well.

Following final College Curriculum Committee approval, Please apply the appropriate signatures, and send to your College Admin.

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.

1. Description of Change:

Updating curriculum to move two preferred PSU Pathway courses (EDUC 261, PSYCH 155) into the major requirements. Requested an exception for CHEM 215/216 (5 hours) to be taken with KBOR General Education.

2. Rationale for change, including changes to curriculum objectives:

Comply with KBOR requirement to not require specific Gen Ed courses within curriculum.

3. Will this change affect any education majors? Yes

***If "yes," this request will need to have the approval of the Council for Teacher Education.***

4. Is this **Revision** related to, and/or may affect, any other department/college/unit curricula or programs at PSU? ***Whether a "yes" or "no" response, please provide an explanation or documentation of any discussions (e.g. copies of emails, memos, etc.) that have occurred.***

No. This revision only impacts the Biology Education curriculum and how these two courses are counted (i.e., Gen Ed vs. Major Coursework).

5. Is this **Revision** related to, and/or affect, any degree program or minor/emphasis/certificate at any other Regent university? ***Whether a "yes" or "no" response, please provide an explanation.***

No. This revision is only to change how these courses are these two courses are counted (i.e., Gen Ed vs. Major Coursework).

6. Does the revision meet University catalog definitions for majors, minors, emphases and certificates as appropriate? **Yes**
7. Are additional resources required (e.g. library/multimedia resources, technology, space, major expense, etc.)?  
No
8. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)? **No**  
*If "yes," complete the course fee form on the Provost's website, it will need to gain approval of the President's Council.*
9. What additional costs will be required for revising this curriculum (e.g. staffing, equipment, etc.)?  
No
10. Describe the program assessment plan (for new programs only):
  - a. Enrollment targets =
  - b. Outcome expected and process to evaluate =
  
  - c. Plan to abandon if enrollment targets not met =

**Questions for certificate only: If you have questions concerning these questions, contact the Financial Aid Office, 4240. If "yes," to both questions, it is the department's responsibility to send a copy of this legislation form to the Director of Admission and Financial Assistance to initiate Department of Education approval.**

1. Are students pursuing only this certificate eligible for federal financial assistance based on federal guidelines? **Select One**
2. Does the course content contained within this certificate provide relevance to employment opportunities or meet professional objectives for the student? **Select One**

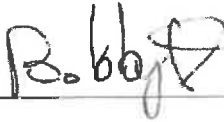
## CURRICULUM REVISIONS

	Existing	Proposed
<b>Title:</b>	<b>Biology (Biology Education)</b>	<b>Biology (Biology Education)</b>
<b>Curriculum: (Do not include GenEd)</b>	<p>Biology Core Requirements (45 hours)            BIOL-211 Principles of Biology I (4 hours)            BIOL-212 Principles of Biology II (4 hours)            BIOL-257 Anatomy and Physiology (3 hours)            and BIOL-258 Anatomy and Physiology Laboratory (2 hours)            BIOL-300 Assisting in the Biology Laboratory (1 hour)            BIOL-322 Genetics (3 hours)            and BIOL-323 Genetics Laboratory (2 hours)            BIOL-330 Principles of Ecology (3 hours)            BIOL-371 General Microbiology (3 hours)            and BIOL-372 General Microbiology Laboratory (2 hours)            BIOL-529 Evolution (3 hours)</p> <p>Select one Field course from:            BIOL-303 Regional Natural History (3 hours)            BIOL-405 Taxonomy of Vascular Plants (3 hours)            BIOL-533 Ichthyology (4 hours)            BIOL-534 Herpetology (4 hours)            BIOL-535 Ornithology (4 hours)            BIOL-536 Mammalogy (3 hours)            BIOL-561 General Entomology (3 hours)</p> <p>Select one Social Perspectives course from:            BIOL-313 Principles of Conservation (3 hours)            BIOL-605 Bioethics (3 hours)            BIOL-617 Environmental Health (3 hours)</p> <p>Biology Electives (9 hours)</p> <p>Professional Education Requirements (20 hours)            See notes *1            EDUC-261 Explorations in Education (3 hours)            EDUC-370 Organization and Management of the Middle and Secondary Classroom (2 hours)            BIOL-479 Techniques for Teaching Biology (3 hours)            or EDUC-479 Effective Teaching Strategies for Middle and Secondary (3 hours)            EDUC-520 Methods and Materials for Academic Literacy (3 hours)            PSYCH-263 Developmental Psychology (3 hours)            PSYCH-357 Educational Psychology (3 hours)            SPED-510 Overview of Special Education (3 hours)            Notes *1: See Admission to Professional Semester for professional education grade point requirements.</p> <p>Professional Semester (16 hours)            BIOL-579 Supervised Student Teaching and Follow-Up of Teachers (2 hours)            EDUC-458 Methods and Curriculum (3 hours)            EDUC-464 Measurement and Evaluation (2 hours)            EDUC-475 Supervised Clinical Experience (9 hours)</p> <p>Requirements from other Departments (13 hours)            CHEM-215 General Chemistry I (3 hours)            and CHEM-216 General Chemistry I Laboratory (2 hours)            CHEM-320 Introductory Organic Chemistry (3 hours)            and CHEM-326 Organic Chemistry I Laboratory (2 hours)            PSYCH-155 General Psychology (3 hours)</p>	<p>Biology Core Requirements (42 - 43 hours)            BIOL-211 Principles of Biology I (4 hours)            BIOL-212 Principles of Biology II (4 hours)            BIOL-257 Anatomy and Physiology (3 hours)            and BIOL-258 Anatomy and Physiology Laboratory (2 hours)            BIOL-300 Assisting in the Biology Laboratory (1 hour)            BIOL-322 Genetics (3 hours)            and BIOL-323 Genetics Laboratory (2 hours)            BIOL-330 Principles of Ecology (3 hours)            BIOL-371 General Microbiology (3 hours)            and BIOL-372 General Microbiology Laboratory (2 hours)            BIOL-529 Evolution (3 hours)</p> <p>Select one Field course from:            BIOL-303 Regional Natural History (3 hours)            BIOL-405 Taxonomy of Vascular Plants (3 hours)            BIOL-533 Ichthyology (4 hours)            BIOL-534 Herpetology (4 hours)            BIOL-535 Ornithology (4 hours)            BIOL-536 Mammalogy (3 hours)            BIOL-561 General Entomology (3 hours)</p> <p>Select one Social Perspectives course from:            BIOL-313 Principles of Conservation (3 hours)            BIOL-605 Bioethics (3 hours)            BIOL-617 Environmental Health (3 hours)</p> <p>Biology Electives (6 hours)</p> <p>Professional Education Requirements (20 hours)            See notes *1            EDUC-261 Explorations in Education (3 hours)            EDUC-370 Organization and Management of the Middle and Secondary Classroom (2 hours)            BIOL-479 Techniques for Teaching Biology (3 hours)            or EDUC-479 Effective Teaching Strategies for Middle and Secondary (3 hours)            EDUC-520 Methods and Materials for Academic Literacy (3 hours)            PSYCH-263 Developmental Psychology (3 hours)            PSYCH-357 Educational Psychology (3 hours)            SPED-510 Overview of Special Education (3 hours)            Notes *1: See Admission to Professional Semester for professional education grade point requirements.</p> <p>Professional Semester (16 hours)            BIOL-579 Supervised Student Teaching and Follow-Up of Teachers (2 hours)            EDUC-458 Methods and Curriculum (3 hours)            EDUC-464 Measurement and Evaluation (2 hours)            EDUC-475 Supervised Clinical Experience (9 hours)</p> <p>Requirements from other Departments (13 hours)            CHEM-215 General Chemistry I (3 hours)            and CHEM-216 General Chemistry I Laboratory (2 hours)            CHEM-320 Introductory Organic Chemistry (3 hours)            and CHEM-326 Organic Chemistry I Laboratory (2 hours)            PSYCH-155 General Psychology (3 hours)</p>



## Authorization/Notification Sign-Off Sheet


-Approved: Department Chairperson

Date: 9/14/2023 Signature, Chairperson: 

-Approved: College Curriculum Committee

Date: 11/27/23 Signature, Committee Chair: 

-Approved: Dean of College

Date: 11/27/23 Signature, Dean: 

-Approved: Council for Teacher Education (if applicable)

Date: 12/6/23 Signature, Council Chair: 

-Approved: University Undergraduate Curriculum Committee

Date: 01-19-2024 Signature, Committee Chair: 

-Approved: Faculty Senate

Date: \_\_\_\_\_ Signature, Recorder Faculty Senate: \_\_\_\_\_

Originating Departments(s): After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation", to allow for review and questions. Any modifications should be saved as "original file name.v2.docx" and uploaded as well.

## Faculty Senate Course Form

Effective Date: Fall

2024

Submission Date: 10/20/23

Department: Math and Physics

College of: Arts & Sciences

Contact Person: Tim Flood

Chair

### Course: **Revision**

**Originating Department(s):** After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation," to allow for review and questions. Any modifications should be saved as "original file name. v2.docx" and uploaded as well.

Following final College Curriculum Committee approval, please print the final version of this form, apply the appropriate signatures, and send to your College Admin.

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1. Purpose/Justification for a **Revision** to Course:  
We are realigning courses shared by Math and Computer Science students to better meet each group's needs. Changes to 413 and 513 necessitate changes to the pre-reg for Math 557.
  
2. Is this related to, and/or affect, any other department/college/unit curricula or programs at Pittsburg State University? *Whether "Yes" or "No" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of emails, memos, etc.) that have occurred.*  
No, this course only effects Math majors.
  
3. Will this course be required of any education majors? **No**  
*If "yes," this requirement will need to have the approval of the Council for Teacher Education before upload to "Approved College Curriculum Legislation" in SharePoint.*
  
4. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?  
None
  
5. Are additional resources required (e.g. library or multimedia resources, technology, space, major expense etc.)? **Explain:**  
No

7. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)? <sup>No</sup>  
*If "yes," complete the Course Fee Form on the Provost's website, it will need to gain approval of the President's Council.*
8. Objectives/Student Learning Outcomes for NEW courses only, as it will appear in the syllabus:  
**Attach with upload.**
9. Assessment Strategies (e.g. exams, projects, university rubric, etc.), as it will appear in the syllabus:  
**Attach with upload.**

**Course Numbers cannot be changed, only created.**

	Existing	New/Proposed
Title:	Introduction to Analysis	Same
Course Number:	MATH 557	Same
Credits:	3	Same
Grading System:	A-F, IN <input checked="" type="checkbox"/> IP <input type="checkbox"/> P/F <input type="checkbox"/>	A-F, IN <input checked="" type="checkbox"/> IP <input type="checkbox"/> P/F <input type="checkbox"/>
Pre/Co-Requisite(s):	MATH 253 Calculus III and MATH 413 Introduction to Mathematical Thought	MATH 253 Calculus III and MATH 513 Discrete Structures
Course Description	A proof-oriented treatment of topics in analysis including the real number system, sequences, the topology of real numbers, continuous functions, differentiation, and integration.	Same

# Authorization/Notification Sign-Off Sheet

-Approved: Department Chairperson

Date: 10/13/23 Signature, Chairperson: Tim Flood Digitally signed by Tim Flood  
Date: 2023.10.24 13:26:28 -05'00'

-Approved: College Curriculum Committee

Date: 11/27/23 Signature, Committee Chair: Mary Carol Pomatto

-Approved: Dean of College

Date: 11/27/23 Signature, Dean: Mary Carol Pomatto

-Approved: Council for Teacher Education (if applicable)

Date: \_\_\_\_\_ Signature, Council Chair: \_\_\_\_\_

-Approved: University Undergraduate Curriculum Committee

Date: 01-19-2024 Signature, Committee Chair: 

-Approved: Faculty Senate

Date: \_\_\_\_\_ Signature, Recorder Faculty Senate: \_\_\_\_\_

## Faculty Senate Course Form

Effective Date: Fall 2024 Submission Date: 10/20/23  
Department: Math and Physics College of: Arts & Sciences  
Contact Person: Tim Flood Chair

### Course: Revision

**Originating Department(s):** After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation," to allow for review and questions. Any modifications should be saved as "original file name. v2.docx" and uploaded as well.

Following final College Curriculum Committee approval, please print the final version of this form, apply the appropriate signatures, and send to your College Admin.

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1. Purpose/Justification for a **Revision** to Course:  
We are realigning courses shared by Math and Computer Science students to better meet each group's needs. Changes to 413 and 513 allow for a change in the pre-reg for Math 626.
2. Is this related to, and/or affect, any other department/college/unit curricula or programs at Pittsburg State University? *Whether "Yes" or "No" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of emails, memos, etc.) that have occurred.*  
No, this course only effects Math and Computer Science majors.
3. Will this course be required of any education majors? **No**  
*If "yes," this requirement will need to have the approval of the Council for Teacher Education before upload to "Approved College Curriculum Legislation" in SharePoint.*
4. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?  
None
5. Are additional resources required (e.g. library or multimedia resources, technology, space, major expense etc.)? **Explain:**  
No

7. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)? <sup>No</sup>  
*If "yes," complete the Course Fee Form on the Provost's website, it will need to gain approval of the President's Council.*
8. Objectives/Student Learning Outcomes for NEW courses only, as it will appear in the syllabus:  
**Attach with upload.**
9. Assessment Strategies (e.g. exams, projects, university rubric, etc.), as it will appear in the syllabus:  
**Attach with upload.**

**Course Numbers cannot be changed, only created.**

	Existing	New/Proposed
Title:	Data Structures and Algorithms	Same
Course Number:	MATH 626	Same
Credits:	3	Same
Grading System:	A-F, IN <input checked="" type="checkbox"/> IP <input type="checkbox"/> P/F <input type="checkbox"/>	A-F, IN <input checked="" type="checkbox"/> IP <input type="checkbox"/> P/F <input type="checkbox"/>
Pre/Co-Requisite(s):	MATH 513 Discrete Structures	MATH 413 Introduction to Mathematical Thought
Course Description	A survey of common algorithms used in computer science and the data structures that are used to implement them.	Same

## Authorization/Notification Sign-Off Sheet

-Approved: Department Chairperson

Date: 10/13/23 Signature, Chairperson: Tim Flood Digitally signed by Tim Flood  
Date: 2023.10.24 13:26:28 -05'00'

-Approved: College Curriculum Committee

Date: 11/27/23 Signature, Committee Chair: Mary Carol Pomatto

-Approved: Dean of College

Date: 11/27/23 Signature, Dean: Mary Carol Pomatto

-Approved: Council for Teacher Education (if applicable)

Date: \_\_\_\_\_ Signature, Council Chair: \_\_\_\_\_

-Approved: University Undergraduate Curriculum Committee

Date: 01-19-2024 Signature, Committee Chair: 

-Approved: Faculty Senate

Date: \_\_\_\_\_ Signature, Recorder Faculty Senate: \_\_\_\_\_

## Faculty Senate Curriculum Change Form

Effective Date: FALL 2024

Submission Date: 10/20/23

Department: Math and Physics

College: Arts & Sciences

Contact Person: Tim Flood

Chair

**Revision Major**

If Emphasis, enter name of the Major:

***If selection is "Deletion" complete questions 2, 3, 4, & 5, then complete signatures.***

Originating Department(s): After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation", to allow for review and questions. Any modifications should be saved as "original file name.v2.docx" and uploaded as well.

Following final College Curriculum Committee approval, Please apply the appropriate signatures, and send to your College Admin.

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.

1. Description of Change:

Were are removing the requirement of Math 513 Discrete Structures adding it as an elective. In addition, we are adding PHYS302 Scientific Programming with Python as an elective.

2. Rationale for change, including changes to curriculum objectives:

We are realigning Math 413 and 513. Math 513 Discrete Structures is no longer required for the Computer Science major and will be moved to an elective. PHYS302 Scientific Programming with Python did not exist when the Computer Science major was legislated.

3. Will this change affect any education majors? No

***If "yes," this request will need to have the approval of the Council for Teacher Education.***

4. Is this **Revision** related to, and/or may affect, any other department/college/unit curricula or programs at PSU? ***Whether a "yes" or "no" response, please provide an explanation or documentation of any discussions (e.g. copies of emails, memos, etc.) that have occurred.***

No, this only impacts courses and degrees within the department.

5. Is this **Revision** related to, and/or affect, any degree program or minor/emphasis/certificate at any other Regent university? ***Whether a "yes" or "no" response, please provide an explanation.***

No, this degree is independent of other Regent universities.



6. Does the revision meet University catalog definitions for majors, minors, emphases and certificates as appropriate? **Yes**
7. Are additional resources required (e.g. library/multimedia resources, technology, space, major expense, etc.)?  
**No**
8. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)? **No**  
*If "yes," complete the course fee form on the Provost's website, it will need to gain approval of the President's Council.*
9. What additional costs will be required for revising this curriculum (e.g. staffing, equipment, etc.)?  
**None**
10. Describe the program assessment plan (for new programs only):
  - a. Enrollment targets =
  - b. Outcome expected and process to evaluate =
  
  - c. Plan to abandon if enrollment targets not met =

**Questions for certificate only: If you have questions concerning these questions, contact the Financial Aid Office, 4240. If "yes," to both questions, it is the department's responsibility to send a copy of this legislation form to the Director of Admission and Financial Assistance to initiate Department of Education approval.**

1. Are students pursuing only this certificate eligible for federal financial assistance based on federal guidelines? **Select One**
2. Does the course content contained within this certificate provide relevance to employment opportunities or meet professional objectives for the student? **Select One**

### CURRICULUM REVISIONS

	Existing	Proposed
Title:	Computer Science	Same
Curriculum: (Do not include GenEd)	<p>Core Requirements (35 hours)</p> <p>CIS-230 Introduction to Programming            CIS-240 Intermediate Programming            CIS-380 Systems Analysis and Design            CIS-615 Database Management            CS-405 Prin of Software Architecture            EET-244 Logic Circuits            MATH-122 Plane Trigonometry            MATH-212 Matrix Algebra            MATH-326 Math for Programming            MATH-413 Intro to Math Thought            MATH-513 Discrete Structures            MATH-626 Data Structures and Alg</p> <p>Select 15 hours from:</p> <p>CS-300 Web Application Development I            CS-305 Web Application Development II            CS-400 Mobile Application Development            CS-410 Intro to Front End Frameworks            CS-500 Advanced Programming            EET-344 Microcomputer Systems            EET-449 Programmable Logic Devices            EET-549 Advanced Microcontrollers            EET-647 Digital Signal Processing</p>	<p>Core Requirements (32 hours)</p> <p>CIS-230 Introduction to Programming            CIS-240 Intermediate Programming            CIS-380 Systems Analysis and Design            CIS-615 Database Management            CS-405 Prin of Software Architecture            EET-244 Logic Circuits            MATH-122 Plane Trigonometry            MATH-212 Matrix Algebra            MATH-326 Math for Programming            MATH-413 Intro to Math Thought            MATH-626 Data Structures and Alg</p> <p>Select 18 hours from:</p> <p>CS-300 Web Application Development I            CS-305 Web Application Development II            CS-400 Mobile Application Development            CS-410 Intro to Front End Frameworks            CS-500 Advanced Programming            EET-344 Microcomputer Systems            EET-449 Programmable Logic Devices            EET-549 Advanced Microcontrollers            EET-647 Digital Signal Processing            MATH-513 Discrete Structures            PHYS-302 Scientific Programming with Python</p>

# Authorization/Notification Sign-Off Sheet

-Approved: Department Chairperson

Date: 10/13/23 Signature, Chairperson: Tim Flood

Digitally signed by Tim Flood  
Date: 2023.10.24 13:25:23 -05'00'

-Approved: College Curriculum Committee

Date: 11/27/23 Signature, Committee Chair: Mary Carol Pomatto

-Approved: Dean of College

Date: 11/27/23 Signature, Dean: Mary Carol Pomatto

-Approved: Council for Teacher Education (if applicable)

Date: \_\_\_\_\_ Signature, Council Chair: \_\_\_\_\_

-Approved: University Undergraduate Curriculum Committee

Date: 01-19-2024 Signature, Committee Chair: [Signature]

-Approved: Faculty Senate

Date: \_\_\_\_\_ Signature, Recorder Faculty Senate: \_\_\_\_\_

Originating Department(s): After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation", to allow for review and questions. Any modifications should be saved as "original file name.v2.docx" and uploaded as well.

## Faculty Senate Course Form

Effective Date: Fall 2024 Submission Date:  
Department: Communication College of: Arts & Sciences  
Contact Person: Barth Cox Faculty

Course: **Revision**

**Originating Department(s):** After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation," to allow for review and questions. Any modifications should be saved as "original file name. v2.docx" and uploaded as well.

Following final College Curriculum Committee approval, please print the final version of this form, apply the appropriate signatures, and send to your College Admin.

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1. Purpose/Justification for a **Revision** to Course:  
The Department of Communication wants to change the course description of this course to reflect the learning outcomes for the course.
2. Is this related to, and/or affect, any other department/college/unit curricula or programs at Pittsburg State University? *Whether "Yes" or "No" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of emails, memos, etc.) that have occurred.*  
No
3. Will this course be required of any education majors? **No**  
*If "yes," this requirement will need to have the approval of the Council for Teacher Education before upload to "Approved College Curriculum Legislation" in SharePoint.*
4. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?  
None
5. Are additional resources required (e.g. library or multimedia resources, technology, space, major expense etc.)? **Explain:**  
No

7. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)? **No**  
*If "yes," complete the Course Fee Form on the Provost's website, it will need to gain approval of the President's Council.*
8. Objectives/Student Learning Outcomes for NEW courses only, as it will appear in the syllabus:  
**Attach with upload.**
9. Assessment Strategies (e.g. exams, projects, university rubric, etc.), as it will appear in the syllabus:  
**Attach with upload.**

(e.g. library or multimedia)

**Course Numbers cannot be changed, only created.**

	Existing	New/Proposed
Title:	Promotional and Corporate Video Produ	Promotional and Corporate Video Production
Course Number:	COMM 474	COMM 474
Credits:	3	3
Grading System:	A-F, IN <input checked="" type="checkbox"/> IP <input type="checkbox"/> P/F <input type="checkbox"/>	A-F, IN <input checked="" type="checkbox"/> IP <input type="checkbox"/> P/F <input type="checkbox"/>
Pre/Co-Requisite(s):	Prerequisites: COMM 274 Introduction to Audio and Video Production, or permission of instructor.	Prerequisites: COMM 274 Introduction to Audio and Video Production, or permission of instructor.
Course Description	Principles and practices of producing audio and video for training, informational or persuasive use. Covers studio and field production, working with clients, scriptwriting, and advanced computer editing.	Principles and practices of producing video content for corporate and promotional purposes. Emphasizes field production, close collaboration with clients, scriptwriting, and advanced computer editing techniques.

(e.g. library or multimedia)  
 persuasive use. Covers  
 production with

## Authorization/Notification Sign-Off Sheet

-Approved: Department Chairperson

Date: 11/1/23 Signature, Chairperson: Troy D. Cornum

-Approved: College Curriculum Committee

Date: 11/27/23 Signature, Committee Chair: Mary Carol Pomatto

-Approved: Dean of College

Date: 11/27/23 Signature, Dean: Mary Carol Pomatto

-Approved: Council for Teacher Education (if applicable)

Date: \_\_\_\_\_ Signature, Council Chair: \_\_\_\_\_

-Approved: University Undergraduate Curriculum Committee

Date: 01-19-2024 Signature, Committee Chair: \_\_\_\_\_

-Approved: Faculty Senate

Date: \_\_\_\_\_ Signature, Recorder Faculty Senate: \_\_\_\_\_

(if applicable)

## Faculty Senate Course Form

Effective Date: Fall 2024 Submission Date: 11/10/23  
Department: School of Construction College of: Technology  
Contact Person: Shannon Nicklaus Faculty

Course: **Revision**

**Originating Department(s):** After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation," to allow for review and questions. Any modifications should be saved as "original file name. v2.docx" and uploaded as well.

Following final College Curriculum Committee approval, please print the final version of this form, apply the appropriate signatures, and send to your College Admin.

---

1. Purpose/Justification for a **Revision** to Course: **CMCET 332**  
To consolidate courses within the emphasis areas and increase enrollment course numbers.
2. Is this related to, and/or affect, any other department/college/unit curricula or programs at Pittsburg State University? *Whether "Yes" or "No" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of emails, memos, etc.) that have occurred.*  
No, it is an emphasis course within construction just affecting School of Construction majors.
3. Will this course be required of any education majors? No  
*If "yes," this requirement will need to have the approval of the Council for Teacher Education before upload to "Approved College Curriculum Legislation" in SharePoint.*
4. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?  
None
5. Are additional resources required (e.g. library or multimedia resources, technology, space, major expense etc.)? **Explain:**  
No additional resources are required.

7. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)? <sup>No</sup>  
*If "yes," complete the Course Fee Form on the Provost's website, it will need to gain approval of the President's Council.*
8. Objectives/Student Learning Outcomes for NEW courses only, as it will appear in the syllabus:  
**Attach with upload.**
9. Assessment Strategies (e.g. exams, projects, university rubric, etc.), as it will appear in the syllabus:  
**Attach with upload.**

**Course Numbers cannot be changed, only created.**

	Existing	New/Proposed
Title:	Residential Design	Residential Design and Management
Course Number:	332	332
Credits:	3	3
Grading System:	A-F, IN <input checked="" type="checkbox"/> IP <input type="checkbox"/> P/F <input type="checkbox"/>	A-F, IN <input checked="" type="checkbox"/> IP <input type="checkbox"/> P/F <input type="checkbox"/>
Pre/Co-Requisite(s):	CMCET 133 Construction Graphics	CMCET 133 Construction Graphics, CMCET 330 Mechanical Systems, CMCET 331 Electrical Systems
Course Description	(1 hour lecture, 4 hours laboratory). Space utilization, circulation, structural design, energy efficient design, building costs, architect-owner-contractor relationship, exterior design, electrical/mechanical considerations and techniques for preparing architectural residential drawings using CAD. Includes NAHB Certified Green Professional Designation. Prerequisite: CMCET 133 Construction Graphics.	COURSE DESCRIPTION: CMCET 332 Residential Design. 3 hours (2 hours lecture; 2 hours laboratory). Space utilization, structural design, energy efficient design, exterior design, building costs, planning, scheduling, budget management, project management, architect-owner/contractor/home owner relationships, electrical/mechanical considerations and techniques for preparing architectural residential drawings using industry software and drawing reviews. Prerequisite: CMCET 133 Construction Graphics, CMCET 330 Mechanical Systems, CMCET 331 Electrical Systems

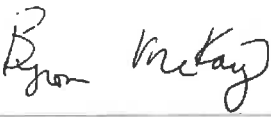


## Authorization/Notification Sign-Off Sheet

-Approved: Department Chairperson

Date: 11/19/23 Signature, Chairperson: 

-Approved: College Curriculum Committee

Date: 12/01/2023 Signature, Committee Chair: 

-Approved: Dean of College

Date: 12/05/23 Signature, Dean: 

-Approved: Council for Teacher Education (if applicable)

Date: \_\_\_\_\_ Signature, Council Chair: \_\_\_\_\_

-Approved: University Undergraduate Curriculum Committee

Date: 01-19-2024 Signature, Committee Chair: 

-Approved: Faculty Senate

Date: \_\_\_\_\_ Signature, Recorder Faculty Senate: \_\_\_\_\_

Originating Department(s): After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation", to allow for review and questions. Any modifications should be saved as "original file name.v2.docx" and uploaded as well.

**Pittsburg State University**  
**School of Construction**  
Prepared by: Faculty TBD,

**COURSE TITLE:** CMCET 332-01. Residential Design and Management

**COURSE SCHEDULE:** Tuesday/Thursday / 7:45 am – 9:50 am  
KTC - Room S105 (Lecture/Lab)

**INSTRUCTOR:** Faculty TBD

**OFFICE HOURS:** Faculty TBD

**COURSE DELIVERY METHOD:** This course will be a face-to-face course with on-line homework and assignments assigned.

**COURSE DESCRIPTION: CMCET 332 Residential Design.** 3 hours (2 hours lecture; 2 hours laboratory). Space utilization, structural design, energy efficient design, exterior design, building costs, planning, scheduling, budget management, project management, architect-owner / contractor/homeowner relationships, , electrical/mechanical considerations and techniques for preparing architectural residential drawings using industry software and drawing reviews.

Prerequisite: CMCET 133 Construction Graphics, CMCET 330 Mechanical Systems, CMCET 331 Electrical Systems

**TEXTBOOK/MATERIALS REQUIRED:**

- Goodheart-Willcox Company, Architecture: Residential Drafting and Design, 12th Edition, ISBN: 978-1-63-126315-6
- Jump drives/flash drives for storage of electronic information
- Architectural Scale
- Hardhat and Safety Glasses

**COURSE OBJECTIVES:**

- Objective 1 – To develop a fundamental understanding of the basic concepts of efficient residential design. (1,2,4,5)
- Objective 2 – To develop a fundamental understanding of city ordinances, building codes, and subdivision regulations as they pertain to residential plan design. (1)
- Objective 4 – To develop quality, professional residential drawings utilizing industry methods. (1,4,5)
- Objective 5. To develop a basic knowledge of General Project Management, estimating, planning and scheduling Residential construction. (3,5)
- Objective 6. To develop a basic knowledge of the Estimating Residential construction. (2)
- Objective 7. To develop a basic understanding of Budget management and Cost Control (5)

**COURSE TOPICS:**

- |                   |                                      |                                 |
|-------------------|--------------------------------------|---------------------------------|
| 1. Site Analysis  | 3. Subdivision Regulations           | 5. Floor/Foundation Plan Design |
| 2. Building Codes | (City Ordinances, Subdivision CCR's) | 6. Roof / Wall Design           |
|                   | 4. Methods and Materials             | 7. Wall Sections/Details        |

- 8. Site Plan Configuration                      11.General Project
- 9. Construction Cost Estimating Management/Scheduling                      13. Budget Management/Cost Control
- 10. Basic principles of business management                      12.Estimating

**GRADING SYSTEM:**

Grades will be based on the following scale:

A	B	C	D	F
90% - 100%	80% - 89%	70% - 79%	60% - 69%	0% - 59%

**Other Class Work:** Class and lab time must be used for CMCET 332 only. Any work for a different class being worked on during class time **will** be picked-up and **will not** be returned to the student.

## Faculty Senate Course Form

Effective Date: Fall 2024 Submission Date: 11/10/23  
Department: School of Construction College of: Technology  
Contact Person: Christopher Pross Faculty

Course: **Revision**

**Originating Department(s):** After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation," to allow for review and questions. Any modifications should be saved as "original file name. v2.docx" and uploaded as well.

Following final College Curriculum Committee approval, please print the final version of this form, apply the appropriate signatures, and send to your College Admin.

---

- Purpose/Justification for a **Revision** to Course:  
Updating name to better fit the class.

This revision will also allow Construction Engineering Technology Majors to take this class in lieu of Statics. This is being done based on industry and student feedback and allows us to have more control over the material and topics being delivered.
- Is this related to, and/or affect, any other department/college/unit curricula or programs at Pittsburg State University? *Whether "Yes" or "No" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of emails, memos, etc.) that have occurred.*

NO
- Will this course be required of any education majors? No  
*If "yes," this requirement will need to have the approval of the Council for Teacher Education before upload to "Approved College Curriculum Legislation" in SharePoint.*
- What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?

None
- Are additional resources required (e.g. library or multimedia resources, technology, space, major expense etc.)? **Explain:**

No new Resources required.

7. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)? <sup>No</sup>  
If "yes," complete the Course Fee Form on the Provost's website, it will need to gain approval of the President's Council.
8. Objectives/Student Learning Outcomes for NEW courses only, as it will appear in the syllabus:  
**Attach with upload.**
9. Assessment Strategies (e.g. exams, projects, university rubric, etc.), as it will appear in the syllabus:  
**Attach with upload.**

**Course Numbers cannot be changed, only created.**

	Existing	New/Proposed
Title:	Theory of Structures	Construction Statics and Structures
Course Number:	333	333
Credits:	3	3
Grading System:	A-F, IN <input checked="" type="checkbox"/> IP <input type="checkbox"/> P/F <input type="checkbox"/>	A-F, IN <input checked="" type="checkbox"/> IP <input type="checkbox"/> P/F <input type="checkbox"/>
Pre/Co-Requisite(s):	Prerequisites: MATH 122 Plane Trigonometry, MATH 126 Pre-Calculus, or MATH 150 Calculus I.	Prerequisites: MATH 122 Plane Trigonometry or MATH 126 Pre-Calculus, or MATH 150 Calculus I.
Course Description	(2 hours lecture, 2 hours laboratory). Fundamentals of static design, forces acting on structural systems and components, stresses in members. Not open to Engineering Technology majors.	(2 hours lecture, 2 hours laboratory). Fundamentals of static design, forces acting on structural systems and components, stresses in members.

## Authorization/Notification Sign-Off Sheet

-Approved: Department Chairperson

Date: 11/19/23 Signature, Chairperson: 

-Approved: College Curriculum Committee

Date: 12/01/2023 Signature, Committee Chair: 

-Approved: Dean of College

Date: 12/05/2023 Signature, Dean: 

-Approved: Council for Teacher Education (if applicable)

Date: \_\_\_\_\_ Signature, Council Chair: \_\_\_\_\_

-Approved: University Undergraduate Curriculum Committee

Date: 01-19-2024 Signature, Committee Chair: 

-Approved: Faculty Senate

Date: \_\_\_\_\_ Signature, Recorder Faculty Senate: \_\_\_\_\_

Originating Departments(s): After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation", to allow for review and questions. Any modifications should be saved as "original file name.v2.docx" and uploaded as well.

**Pittsburg State University  
School of Construction  
Construction Management**

**COURSE TITLE:** CMCET 333 – Construction Statics and Structures

**COURSE DELIVERY/SCHEDULE:** F2F /Lecture – TBD  
Lab – Varies - incorporated with lecture schedule

**INSTRUCTOR:** TBD

**COURSE DESCRIPTION:** CMCET 333 Theory of Structures. 3 hours. (2 hours lecture, 2 hours laboratory). Fundamentals of static design, forces acting on structural systems and components, stresses in members. Not open to Engineering Technology majors. Prerequisites: 'C' or better in MATH 122 Plane Trigonometry, MATH 126 Pre-Calculus, or MATH 150 Calculus I.

**TEXTBOOK/MATERIALS REQUIRED:**

- Textbook *Recommended* – Barry Onouye, Statics and Strength of Materials for Architecture and Building Construction, 4<sup>th</sup> Edition, 2012 by Pearson Education, Inc., Pearson Prentice Hall; ISBN 978-0-13-507925-6
- Scientific Calculator (trig function capability required); straight edge
- Engineering Computation Paper- [Click Here to Find](#)

**COURSE OBJECTIVES:** (Referenced to CMCET Educational Outcomes)

- Objective #1: To become conversant with architectural and engineering terminology and principles applicable to structures common in the construction industry (Outcome 1,7)
- Objective #2: To develop a basic understanding of statics and analysis of selected determinate structural systems (Outcome 1, 2)
- Objective #3: To develop a basic understanding of load tracing (Outcome 1, 2)
- Objective #4: To develop a basic understanding of stress, strain, and deformation in structural elements subject to external forces (Outcome 1, 2)
- Objective #5: To develop a working knowledge of the design of selected structural building elements (Outcome 1, 4, 5)
- Objective #6: To develop a basic understanding of the use of selection tables and pre-engineered design materials (Outcome 1, 2, 4)

**COURSE TOPICS:**

- Fundamentals of statics
- Equilibrium of two-dimensional systems
- Analysis of selected determinate structural systems
- Load tracing
- Stress, strain, deformation, and thermal effects
- Centroids and cross-sectional properties of structural members
- Shear forces and bending moments in beams
- Bending and shear stresses in beams
- Column analysis and design
- Design of selected structural building elements
- Use of selection tables and pre-engineered design materials
- Design and construction of a model bridge in conformance to specifications

## COURSE GRADING

Final grades will be based on the following scale:

90% - 100%	A
80% - 90%	B
70% - 80%	C
60% - 70%	D
0% - 60%	F

Course grades will be assigned using the following approximate proportions for class activities:

Homework Assignments	30%
Quizzes	10%
Bridge Project	10%
Hour Exams	35%
Final Exam	<u>15%</u>
	100%

Note: Grades accumulated during the semester will be entered in CANVAS for the course. Students are encouraged to check such grades for accuracy and notify the instructor immediately if a grade is incorrectly recorded as compared to the returned work.



## Faculty Senate Course Form

Effective Date: Fall 2024 Submission Date: 11/10/23  
Department: School of Construction College of: Technology  
Contact Person: Shannon Nicklaus Faculty

Course: **Revision**

**Originating Department(s):** After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation," to allow for review and questions. Any modifications should be saved as "original file name. v2.docx" and uploaded as well.

Following final College Curriculum Committee approval, please print the final version of this form, apply the appropriate signatures, and send to your College Admin.

---

1. Purpose/Justification for a **Revision** to Course: **CMCET 338**  
Industry is wanting all students, not just residential contractors to have more codes and inspections knowledge. This will allow more students to have the opportunity understanding construction codes.
2. Is this related to, and/or affect, any other department/college/unit curricula or programs at Pittsburg State University? *Whether "Yes" or "No" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of emails, memos, etc.) that have occurred.*  
No, it is an emphasis course within construction just affecting School of Construction majors.
3. Will this course be required of any education majors? **No**  
*If "yes," this requirement will need to have the approval of the Council for Teacher Education before upload to "Approved College Curriculum Legislation" in SharePoint.*
4. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?  
None
5. Are additional resources required (e.g. library or multimedia resources, technology, space, major expense etc.)? **Explain:**  
No additional resources are required.

7. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)? <sup>No</sup>  
If "yes," complete the Course Fee Form on the Provost's website, it will need to gain approval of the President's Council.
8. Objectives/Student Learning Outcomes for NEW courses only, as it will appear in the syllabus:  
**Attach with upload.**
9. Assessment Strategies (e.g. exams, projects, university rubric, etc.), as it will appear in the syllabus:  
**Attach with upload.**

**Course Numbers cannot be changed, only created.**

	Existing	New/Proposed
Title:	Residential Codes/Inspections	Construction Codes and Inspections
Course Number:	338	338
Credits:	3	3
Grading System:	A-F, IN <input checked="" type="checkbox"/> IP <input type="checkbox"/> P/F <input type="checkbox"/>	A-F, IN <input checked="" type="checkbox"/> IP <input type="checkbox"/> P/F <input type="checkbox"/>
Pre/Co-Requisite(s):	CMCET 133 Construction Graphics	CMCET 133 Construction Graphics
Course Description	(3 hours lecture). Code requirements for residential construction using International Residential Code relative to roofing, structural, electrical, heating, air conditioning & heat pumps, plumbing, exterior, interior, and insulation. Includes Home Inspector Certification Exam. Pre-requisite:CMCET 133 Construction Graphics	(3 hours lecture) Code requirements for construction using the International Codes Council references relative structural, electrical, heating, air conditioning & heat pumps, plumbing, exterior, interior, and insulation. Pre-requisite:CMCET 133 Construction Graphics

## Authorization/Notification Sign-Off Sheet

-Approved: Department Chairperson

Date: 11/19/23 Signature, Chairperson: 

-Approved: College Curriculum Committee

Date: 12/01/2023 Signature, Committee Chair: 

-Approved: Dean of College

Date: 12/05/2023 Signature, Dean: 

-Approved: Council for Teacher Education (if applicable)

Date: \_\_\_\_\_ Signature, Council Chair: \_\_\_\_\_

-Approved: University Undergraduate Curriculum Committee

Date: 01-19-2024 Signature, Committee Chair: 

-Approved: Faculty Senate

Date: \_\_\_\_\_ Signature, Recorder Faculty Senate: \_\_\_\_\_

Originating Departments(s): After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation", to allow for review and questions. Any modifications should be saved as "original file name.v2.docx" and uploaded as well.

**Pittsburg State University  
School of Construction**

**COURSE TITLE:** CMCET 338-01 Codes and Inspections

**COURSE SCHEDULE:** **WF 2022 S110**  
Tuesday/Thursday  
*Section 01:* 09:30 am – 10:45 am  
KTC, Room S110 (Lecture)

**INSTRUCTOR:** TBD

**OFFICE HOURS:**

**COURSE DELIVERY METHOD:** This course will be a face-to-face course with on-line homework, labs and quizzes/exams assigned.

**COURSE DESCRIPTION: CMCET 338-01 Residential Codes / Inspections (3 hours lecture)**

Code requirements for construction using the International Codes Council references relative structural, electrical, heating, air conditioning & heat pumps, plumbing, exterior, interior, and insulation.

**TEXTBOOK/MATERIALS REQUIRED:**

- Residential Building Codes Illustrated / A Guide to Understanding the 2009 International Residential Code
- ICC safe: ICC on-line codes 2015-2021
- ISBN: 978-0-470-17359-6
- Scientific/ Construction Calculator
- Jump drives/flash drives for storage of electronic information

**COURSE OBJECTIVES:** (Referenced to CMCET Educational Outcomes)

1. Objective #1: To develop a fundamental understanding of how the International Codes are structured, organized, and developed.
2. Objective #2: To become familiar with how the International Building Codes can influence building construction.
3. Objective #4: To gain the knowledge necessary for identification of hazards in structures.
4. Objective #5: To expose the students to the variety and diversity of the International Code Council's International codes examples include IRC (International Residential Code), IBC (International Building Code), IFC (International Fire Code), and IMC (International Mechanical Code).
5. Objective #6: To develop an understanding of methods to properly Communicate with industry code inspectors.

**COURSE TOPICS:**

1. Chapter 1 Building Codes
2. Chapter 2 Navigating the Code, Administrative Procedures, Definitions
3. Chapter 3 Building Planning
4. Chapter 4 Foundations
5. Chapter 5 Floors
6. Chapter 6 Wall Construction
7. Chapter 7 Wall Coverings
8. Chapter 8 Roof-Ceiling Construction
9. Chapter 9 Roof Assemblies
10. Chapter 10 Chimneys and Fireplaces
11. Communication between contractor/inspector.

**GRADING SYSTEM:** Grades will be based on the following scale:

90% - 100%	A
80% - 89%	B
70% - 79%	C
60% - 69%	D
59% - Below	F

Final Grades will be assigned using the following approximate proportions:

Blackboard grade names are listed to the right of the item.

Projects/ In-Class ex./Events	15%
Homework (Homework)	25 %
Quizzes (Quiz)	10 %
Exams (Exam)	40 %
Final Exam (Final Exam)	10 %

## Faculty Senate Course Form

Effective Date: Fall 2024 Submission Date: 11/10/23  
Department: School of Construction College of: Technology  
Contact Person: Shannon Nicklaus Faculty

Course: **Revision**

**Originating Department(s):** After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation," to allow for review and questions. Any modifications should be saved as "original file name. v2.docx" and uploaded as well.

Following final College Curriculum Committee approval, please print the final version of this form, apply the appropriate signatures, and send to your College Admin.

---

1. Purpose/Justification for a **Revision** to Course: **CMCET 340**  
Changing the name of the course as a better reflection of industry terms and new civil content. Changing from Building Information Modeling (BIM) to BIM/VDC. To consolidate courses within the emphasis areas and increase enrollment course numbers.
2. Is this related to, and/or affect, any other department/college/unit curricula or programs at Pittsburg State University? *Whether "Yes" or "No" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of emails, memos, etc.) that have occurred.*  
NO
3. Will this course be required of any education majors? No  
*If "yes," this requirement will need to have the approval of the Council for Teacher Education before upload to "Approved College Curriculum Legislation" in SharePoint.*
4. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?  
None
5. Are additional resources required (e.g. library or multimedia resources, technology, space, major expense etc.)? **Explain:**  
No new Resources required.

- 7. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)? <sup>No</sup>  
If "yes," complete the Course Fee Form on the Provost's website, it will need to gain approval of the President's Council.
- 8. Objectives/Student Learning Outcomes for NEW courses only, as it will appear in the syllabus:  
**Attach with upload.**
- 9. Assessment Strategies (e.g. exams, projects, university rubric, etc.), as it will appear in the syllabus:  
**Attach with upload.**

**Course Numbers cannot be changed, only created.**

	Existing	New/Proposed
Title:	Building Information Modeling (BIM)	BIM/VDC
Course Number:	340	340
Credits:	3	3
Grading System:	A-F, IN <input checked="" type="checkbox"/> IP <input type="checkbox"/> P/F <input type="checkbox"/>	A-F, IN <input checked="" type="checkbox"/> IP <input type="checkbox"/> P/F <input type="checkbox"/>
Pre/Co-Requisite(s):	Prerequisite: CMCET 133 Construction Graphics	Prerequisite: CMCET 133 Construction Graphics
Course Description	(2 hours lecture, 2 hours laboratory). Functional knowledge of BIM software applications in architecture, mechanical/electrical/plumbing, structural and civil. Collaborative utilization of BIM process in built environment. Prerequisite: CMCET 133 Construction Graphics	(2 hours lecture, 2 hours laboratory). Functional knowledge of BIM/VDC software applications in architecture, mechanical/electrical/plumbing, structural and civil. Collaborative utilization of BIM process in built environment. Prerequisite: CMCET 133 Construction Graphics

# Authorization/Notification Sign-Off Sheet

-Approved: Department Chairperson

Date: 11/19/23 Signature, Chairperson: 

-Approved: College Curriculum Committee

Date: 12/01/2023 Signature, Committee Chair: 

-Approved: Dean of College

Date: 12/05/2023 Signature, Dean: 

-Approved: Council for Teacher Education (if applicable)

Date: \_\_\_\_\_ Signature, Council Chair: \_\_\_\_\_

-Approved: University Undergraduate Curriculum Committee

Date: 01-19-2024 Signature, Committee Chair: 

-Approved: Faculty Senate

Date: \_\_\_\_\_ Signature, Recorder Faculty Senate: \_\_\_\_\_

Originating Department(s): After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation", to allow for review and questions. Any modifications should be saved as "original file name.v2.docx" and uploaded as well.



**Pittsburg State University  
School of Construction**

Prepared by: Norman Philipp, October 26<sup>th</sup>, 2023

**COURSE TITLE:** CMCET 340 - BIM/VDC

**COURSE SCHEDULE:** Monday/Wednesday  
4:10 pm – 5:50 pm  
KTC, Room S105

**INSTRUCTOR:** Norman Philipp, P.E., CM-BIM, DBIA  
Office: W226 KTC  
Phone: (620) 235-4347 Cell: (913) 221-3422  
E-mail: nphilipp@pittstate.edu Fax: (620) 235-6558

**OFFICE HOURS:** Monday – Thursday  
11:00 am – 1:00 pm & By Appointment (ZOOM or In-Person)

**COURSE DELIVERY METHOD:** This course will be a face-to-face course with in-class lab work (online accommodation options available), online homework software tutorials and project assignments.

**COURSE DESCRIPTION: CMCET\*340\*01 BIM/VDC**  
(2 hours lecture, 2 hours laboratory). Functional knowledge of BIM/VDC software applications in architecture, mechanical/electrical/plumbing, structural and civil. Collaborative utilization of BIM process in built environment.  
Prerequisite: CMCET 133 Construction Graphics

**TEXTBOOK/MATERIALS REQUIRED:**

Autodesk University	<a href="https://www.autodesk.com/autodesk-university/">https://www.autodesk.com/autodesk-university/</a>
Autodesk Learning Community	<a href="https://www.autodesk.com/learning">https://www.autodesk.com/learning</a>
BIMForum	<a href="https://bimforum.org/">https://bimforum.org/</a>

**COURSE OBJECTIVES:** (Referenced to CMCET Educational Outcomes)

- Objective 1: Develop a fundamental understanding of the BIM/VDC Process. (1, 3, 6)
- Objective 2: Develop a fundamental understanding on using the BIM/VDC Process in the design/construction industry. (1, 3, 4, 6)
- Objective 3: Develop a fundamental understanding of BIM/VDC software in the design/construction industry. (1, 3, 6)

**COURSE TOPICS:**

1. BIM/VDC and the BIM process
2. Sketch-Up Fundamentals
3. Revit (Arch, Struct, MEP) Fundamentals
4. Civil 3D Fundamentals
5. Infracore 360 Fundamentals
6. Bluebeam Revu Fundamentals
7. Laser Scanning / Photogrammetry
8. Visualization Technologies
9. The Future of BIM/VDC

**GRADING SYSTEM:**

Grades will be based on the following scale:

A	B	C	D	F
90% - 100%	80% - 89%	70% - 79%	60% - 69%	0% - 59%

Grades will be based on the following:

- Participation
- Homework
- Quizzes
- Exams

## Faculty Senate Course Form

Effective Date: Fall 2024 Submission Date: 11/10/23  
Department: School of Construction College of: Technology  
Contact Person: Shannon Nicklaus Faculty

Course: **Deletion**

**Originating Department(s):** After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation," to allow for review and questions. Any modifications should be saved as "original file name. v2.docx" and uploaded as well.

Following final College Curriculum Committee approval, please print the final version of this form, apply the appropriate signatures, and send to your College Admin.

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1. Purpose/Justification for a **Deletion** to Course: **CMCET 435**  
The course is no longer going to be used within the curriculum.
2. Is this related to, and/or affect, any other department/college/unit curricula or programs at Pittsburg State University? *Whether "Yes" or "No" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of emails, memos, etc.) that have occurred.*  
No, it is an emphasis course within construction just affecting School of Construction majors.
3. Will this course be required of any education majors? No  
*If "yes," this requirement will need to have the approval of the Council for Teacher Education before upload to "Approved College Curriculum Legislation" in SharePoint.*
4. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?  
None
5. Are additional resources required (e.g. library or multimedia resources, technology, space, major expense etc.)? **Explain:**  
No additional resources are required.

7. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)? <sup>No</sup>  
*If "yes," complete the Course Fee Form on the Provost's website, it will need to gain approval of the President's Council.*
8. Objectives/Student Learning Outcomes for NEW courses only, as it will appear in the syllabus:  
**Attach with upload.**
9. Assessment Strategies (e.g. exams, projects, university rubric, etc.), as it will appear in the syllabus:  
**Attach with upload.**

**Course Numbers cannot be changed, only created.**

	Existing	New/Proposed
Title:	Residential Construction Methods and Management	
Course Number:	435	
Credits:	3	
Grading System:	A-F, IN <input checked="" type="checkbox"/> IP <input type="checkbox"/> P/F <input type="checkbox"/>	A-F, IN <input type="checkbox"/> IP <input type="checkbox"/> P/F <input type="checkbox"/>
Pre/Co-Requisite(s):	Prerequisite: CMCET 338 Residential Codes/Inspection.	
Course Description	(1 hour lecture, 4 hours laboratory). Residential construction lifecycle including planning, execution, monitoring, controlling, closing and service. Methods of residential construction including energy efficiency, wood and light-gauge steel frame construction, insulated concrete forms, systems-built and panelized construction, engineered materials. Includes NAHB Residential Construction Superintendent Designation. Prerequisite: CMCET 338 Residential Codes/Inspection..	

# Authorization/Notification Sign-Off Sheet

-Approved: Department Chairperson

Date: 11/19/23 Signature, Chairperson: 

-Approved: College Curriculum Committee

Date: 12/01/2023 Signature, Committee Chair: 

-Approved: Dean of College

Date: 12/05/2023 Signature, Dean: 

-Approved: Council for Teacher Education (if applicable)

Date: \_\_\_\_\_ Signature, Council Chair: \_\_\_\_\_

-Approved: University Undergraduate Curriculum Committee

Date: 01-19-2024 Signature, Committee Chair: 

-Approved: Faculty Senate

Date: \_\_\_\_\_ Signature, Recorder Faculty Senate: \_\_\_\_\_

Originating Departments(s): After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation", to allow for review and questions. Any modifications should be saved as "original file name.v2.docx" and uploaded as well.

## Faculty Senate Course Form

Effective Date: Fall 2024 Submission Date: 11/10/23  
Department: School of Construction College of: Technology  
Contact Person: Christopher Pross Faculty

Course: **Revision**

**Originating Department(s):** After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation," to allow for review and questions. Any modifications should be saved as "original file name. v2.docx" and uploaded as well.

Following final College Curriculum Committee approval, please print the final version of this form, apply the appropriate signatures, and send to your College Admin.

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1. Purpose/Justification for a **Revision** to Course:  
Updating prerequisites to better facilitate enrollment into the class, removes the need for a pre-requisite override for Construction Engineering Technology Majors.
2. Is this related to, and/or affect, any other department/college/unit curricula or programs at Pittsburg State University? *Whether "Yes" or "No" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of emails, memos, etc.) that have occurred.*  
NO
3. Will this course be required of any education majors? No  
*If "yes," this requirement will need to have the approval of the Council for Teacher Education before upload to "Approved College Curriculum Legislation" in SharePoint.*
4. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?  
None
5. Are additional resources required (e.g. library or multimedia resources, technology, space, major expense etc.)? **Explain:**  
No new Resources required.

- 7. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)? <sup>No</sup>  
If "yes," complete the Course Fee Form on the Provost's website, it will need to gain approval of the President's Council.
- 8. Objectives/Student Learning Outcomes for NEW courses only, as it will appear in the syllabus:  
**Attach with upload.**
- 9. Assessment Strategies (e.g. exams, projects, university rubric, etc.), as it will appear in the syllabus:  
**Attach with upload.**

**Course Numbers cannot be changed, only created.**

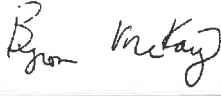
	Existing	New/Proposed
Title:	Construction Surveying 1	Construction Surveying 1
Course Number:	537	537
Credits:	3	3
Grading System:	A-F, IN <input checked="" type="checkbox"/> IP <input type="checkbox"/> P/F <input type="checkbox"/>	A-F, IN <input checked="" type="checkbox"/> IP <input type="checkbox"/> P/F <input type="checkbox"/>
Pre/Co-Requisite(s):	Prerequisite: CM CET 133 Construction Graphics and "C" or better in MATH 122 Plane Trigonometry.	Prerequisite: CM CET 133 Construction Graphics and "C" or better in MATH 122 Plane Trigonometry or Math 126 Pre-Calculus, or Math 150 Calculus 1
Course Description	(2 hours lecture, 2 hours laboratory). Theory, principles, practices of construction surveying applied to instrumentation, computations, and site layout. Use of modern equipment and computer applications.	(2 hours lecture, 2 hours laboratory). Theory, principles, practices of construction surveying applied to instrumentation, computations, and site layout. Use of modern equipment and computer applications.

# Authorization/Notification Sign-Off Sheet

-Approved: Department Chairperson

Date: 11/19/23 Signature, Chairperson: 

-Approved: College Curriculum Committee

Date: 12/01/2023 Signature, Committee Chair: 

-Approved: Dean of College

Date: 12/05/2023 Signature, Dean: 

-Approved: Council for Teacher Education (if applicable)

Date: \_\_\_\_\_ Signature, Council Chair: \_\_\_\_\_

-Approved: University Undergraduate Curriculum Committee

Date: 01-19-2024 Signature, Committee Chair: 

-Approved: Faculty Senate

Date: \_\_\_\_\_ Signature, Recorder Faculty Senate: \_\_\_\_\_

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**Pittsburg State University**  
**Pittsburg State University School of Construction**

**COURSE TITLE:** CM CET 537 Construction Surveying I

**COURSE SCHEDULE:**   **Lecture F2F**  
                              **Lab**

**INSTRUCTOR:**

**COURSE DESCRIPTION:** CM CET 537 CONSTRUCTION SURVEYING I. 3 hours. (2 hour lecture, 2 hours laboratory). Theory, principles and practices of surveying applied to construction and engineering, instrumentation, computations and site layout. Prerequisite: Math 122 - Plane Trigonometry, Math 126 Pre-Calculus, or Math 150 Calculus 1 with a grade of "C" or better.

**TEXTBOOK/MATERIALS REQUIRED:**

- Crawford, Wesley G., Construction Surveying and Layout, Current Edition, Creative Construction Publishing. Mandatory.
- Surveying field book (provided).
- Calculator.(Capable of polar-rectangular coordinate changes and degree,minute,second conversions)
- Storage Media (flash drive)

**COURSE OBJECTIVES:** (Reference to Program Outcomes)

- To obtain basic working knowledge in the fundamental principles and techniques of construction surveying and its applications. (Outcome 1,7)
- To develop skills in performing surveying calculations and in solving surveying related problems. (Outcome 1, 2, 3)
- To develop skills in the operation of modern surveying equipment. (Outcome 1)
- To develop skills in documentation, presentation, and communication of construction surveying projects and information. (Outcome 1, 5 )
- To develop the ability to plan, organize and perform proper construction surveying operations in a timely and professional manner. (Outcome 1, 6, 7)
- To develop the ability to work in a productive surveying team. (Outcome 5)

**COURSE TOPICS:**

- |  |  |
|--|--|
| 1. Surveying trigonometry and geometry   | 8. Vertical / horizontal curves (elective) |
| 2. Measurement and error theory          | 9. Topographic surveying                   |
| 3. Differential & trigonometric leveling | 10. Boundary surveying                     |
| 4. Surveying instrumentation             | 11. Construction surveying                 |
| 5. Angle and distance measurements       | 12. Field notes                            |
| 6. Traversing methods                    | 13. Survey drawings                        |
| 7. Area/volume calculations              | 14. Intro to GPS/Data Collection           |

## **GRADING SYSTEM**

All scores of tests, fieldbooks and laboratories will be included in your final score. Each student's final grade will be determined by dividing their individual total points by the total possible points for the class. Grades will be assigned based on the following percentages:

90 - 100	A
80 - 89	B
70 - 79	C
60 - 69	D
0 - 59	F

## Faculty Senate Course Form

Effective Date: Fall 2024 Submission Date: 11/10/23  
Department: School of Construction College of: Technology  
Contact Person: Shannon Nicklaus Faculty

Course: New

**Originating Department(s):** After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation," to allow for review and questions. Any modifications should be saved as "original file name. v2.docx" and uploaded as well.

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- Purpose/Justification for a **New** to Course: **CMCET 606**  
There are 3 sections of TM 606 Industrial Supervision. Sections 01 and 02 are general service courses open for all majors. Section 03 is reserved for students in the CMCET program and course materials, textbooks, objectives, and outcomes are specifically designed for CMCET majors. This 03 section is annotated on the program guide to inform students of this condition. However, the course needs to be renamed with the CMCET prefix to facilitate ending non-CMCET majors from enrolling in this section and then having to be dropped.
- Is this related to, and/or affect, any other department/college/unit curricula or programs at Pittsburg State University? *Whether "Yes" or "No" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of emails, memos, etc.) that have occurred.*  
  
The renaming of this course would shift credit hour generation attribution from the TWL department as a Tech. Management course to the School of Construction. All students in TM606-03 are already CMCET majors as a prerequisite so the credit hour generation attribution belongs in the SOC
- Will this course be required of any education majors? **No**  
*If "yes," this requirement will need to have the approval of the Council for Teacher Education before upload to "Approved College Curriculum Legislation" in SharePoint.*
- What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?  
**None**
- Are additional resources required (e.g. library or multimedia resources, technology, space, major expense etc.)? **Explain:**  
**No**

7. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)? <sup>No</sup>  
*If "yes," complete the Course Fee Form on the Provost's website, it will need to gain approval of the President's Council.*
8. Objectives/Student Learning Outcomes for NEW courses only, as it will appear in the syllabus:  
**Attach with upload.**
9. Assessment Strategies (e.g. exams, projects, university rubric, etc.), as it will appear in the syllabus:  
**Attach with upload.**

**Course Numbers cannot be changed, only created.**

	Existing	New/Proposed
Title:		Construction Supervision and Leadership
Course Number:		CMCET 606
Credits:		3
Grading System:	A-F, IN <input type="checkbox"/> IP <input type="checkbox"/> P/F <input type="checkbox"/>	A-F, IN <input checked="" type="checkbox"/> IP <input type="checkbox"/> P/F <input type="checkbox"/>
Pre/Co-Requisite(s):		
Course Description		(3 hrs lecture) Learning and applying leadership principles and techniques in construction of understanding and developing interpersonal relationships between the general contractor, subcontractor, and craft workers to facilitate meeting deadlines, ensuring quality work, and keeping people safe during the completion of construction projects. Topics such as effective communication, leadership traits, improving work methods, and jobsite safety for construction superintendents, field engineers, supervisors, and foremen are covered.

# Authorization/Notification Sign-Off Sheet

-Approved: Department Chairperson

Date: 11/19/23 Signature, Chairperson: 

-Approved: College Curriculum Committee

Date: 12/01/2023 Signature, Committee Chair: 

-Approved: Dean of College

Date: 12/05/2023 Signature, Dean: 

-Approved: Council for Teacher Education (if applicable)

Date: \_\_\_\_\_ Signature, Council Chair: \_\_\_\_\_

-Approved: University Undergraduate Curriculum Committee

Date: 01-19-2024 Signature, Committee Chair: 

-Approved: Faculty Senate

Date: \_\_\_\_\_ Signature, Recorder Faculty Senate: \_\_\_\_\_

Originating Departments(s): After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation", to allow for review and questions. Any modifications should be saved as "original file name.v2.docx" and uploaded as well.

Pittsburg State University  
Pittsburg State University School of Construction  
(Prepared by Brian Sandford, 10/18/2023)

**COURSE TITLE:** CMCET 606 – Construction Supervision and Leadership

**COURSE SCHEDULE:** Lecture - T/Th 8:00 – 9:15 S204

**INSTRUCTOR:** Brian Sandford, Office: S211 KTC, email: [bsandford@pittstate.edu](mailto:bsandford@pittstate.edu)  
Phone: 620-235-4972 Fax: 620-235-6558  
Office Hours: Monday 2:00-4:00; Tuesday 9:30-12:00; Wednesday 2:00-3:30; Thursday 9:30-12:00; Friday 10:00-12:00, 1:00-4:00.

**COURSE DESCRIPTION:** CMCET 606 – Construction Supervision and Leadership (3 hours) lecture. General Contractor, Subcontractor, and Craft Relations. Learning and applying leadership principles and techniques of understanding and developing interpersonal relationships between the general contractor, subcontractor, and craft workers to facilitate meeting deadlines, ensuring quality work, and keeping people safe during the completion of construction projects. Topics such as effective communication, leadership traits, improving work methods, and jobsite safety for construction superintendents, field engineers, supervisors, and foremen are covered.

**COURSE DELIVERY:** This is a face-to-face course that meets from 8:00-9:15 on Tuesdays and Thursdays. The content for this course will be delivered through short lectures, class activities, regular writing assignments, and discussion of outside readings.

**TEXTBOOK/MATERIALS REQUIRED:**

- Adamchik, W., MBA, CMC (2011). *Construction Leadership from A to Z*. Austin, TX: Live Oak Book Company. ISBN: 978-1-936909-16-2
- Breslin, M. (2013). *Alpha Dog: Leading, Managing & Motivating in the Construction Industry*. Dublin, CA: McAlly International Press. ISBN: 978-0-9741662-0-9
- Schroeder, J. (2020). *Elevating Construction Superintendents*. Coppell, TX: Jason Schroeder. ASIN: B08VJJZN8B
- Breslin, M. (2013). *The Five Minute Foreman. Mastering the People Side of Construction*. Alamo, CA: McAlly International Press. ISBN: 978-0-9741662-9-2

**COURSE OUTCOMES:** (Reference to SOC Program Outcomes achieved by specific classroom assessment techniques). Upon completion of this course, students will be exposed to the knowledge to be able to:

- Understand and appreciate the value of the supervisor's position in the construction industry (Outcome 7; attendance, supervisor interview, professional development plan);
- Know the differences and similarities between supervisors and managers and how their roles either converge or differ within the construction industry (Outcome 5, 6; attendance, supervisor interview, Alpha Dog reflections);
- Identify the basic skills necessary for the supervision of a departmental unit in the construction industry and decide if you have or need to develop these skills (Outcome 1; attendance, supervisory interview, mid-term and final exam, Alpha Dog and A to Z reflections);

- Determine the supervisory methods and techniques required for effective motivation, communication, training and instruction, and performance appraisal of employees (Outcome 5; attendance, professional development plan, Alpha Dog and A to Z reflections);
- Determine and choose the supervisory skills needed to best coordinate the activities of the employees in achieving the established goals of the employee and the organization (Outcome 1, 5; attendance, Alpha Dog and A to Z reflections);
- Identify the latest professional concepts of supervisory practice and organizational behavior that produces success in the construction industries (Outcome 6, 7; attendance, mid-term and final exam);
- Understand workplace and workforce dynamics and the labor market including how to hire, train, and evaluate worker behaviors, output, and performance (Outcome 1, 6, 7; attendance, professional development plan);
- How to approach professional and workplace goals and apply a variety of problem solving and decision making techniques and approaches to become a trustworthy and dependable workforce leader and advocate (Outcome 5, attendance, Alpha Dog and A to Z reflections);
- Become acquainted with supervisory issues such as conflict management, corporate culture, legal requirements, safety, alcohol and drug abuse, and inter and intrapersonal skills, related to the management of people, time and money (Outcome 1, 5, 6, 7; attendance, supervisor interview, professional development plan, Alpha Dog and A to Z reflections);
- Reflect on past roles as employees, supervisors, volunteers, or other managerial roles to determine if behaviors follows good practice and sound supervisory principles (Outcome 6, attendance, professional development plan, mid-term and final exams);
- Make and defend decisions which implement management direction, company policies, and employee work assignments using the best information possible while providing for worker safety, possible union contract provisions, the legal and ethical rights of other workers and yourself, while promoting organizational success (Outcome 1, 5, 6; attendance, professional development plan).

#### **COURSE TOPICS:**

- |   |  |
|---|--|
| 1. The Big Picture                              | 2. The Dynamics of Supervision and Supervising |
| 3. Risk Management                              | 4. Problem Solving and Decision Making         |
| 5. Oral Communication                           | 6. Written Communication                       |
| 7. Leading vs. Managing                         | 8. Understanding and Motivating People         |
| 9. Employee Training and Performance Appraisals | 10. Intervention for Troubled Employees        |
| 11. Diversity in the Workplace                  |  |

#### **Student Self-Evaluation Objectives:**

By the end of the course, students should be willing to ask themselves and be able to honestly answer the following questions based on the information discussed in this course as well as relying on the character they have developed throughout the semester:

- Am I capable and comfortable of setting a personal and professional goal of becoming a successful supervisor in the construction industry?

- Am I willing to seek out supervisory positions and take responsibility for guiding the work efforts of others by meeting their needs before my own?
- Am I bold enough to supervise even if it means that I have to make tough decisions and then I may not be liked by other people that I work with?
- Am I bold enough to ensure that those who supervise me do it in a fair manner by speaking out when needed and engaging my superiors to do the best job possible?
- Will I resolve to be a good employee that makes supervising me easier or allows those who supervise me to know that I appreciate when they do a good job?
- Do I believe that the rewards which come with supervision far outweigh the challenges?
- Could I be a supervisor that motivates, teaches new skills, communicates well with employees and management, evaluates fairly, designs effective professional development opportunities, treats others with respect to get respect, and inspires others to do their best work even in the worst circumstances?
- Do I understand, or am I willing to spend the time to find out, how the organization I work for functions and how I fit within a leadership role and how does it contribute to organizational success?
- Do I believe I have what it takes to become a leader on the construction jobsite, within the company or corporation where I work, and even within the construction industry?
- Am I willing to take the time to motivate others by finding out what I can do to provide what they need and want and minimize or eliminate what dissatisfies them?
- Am I capable of making defensible decisions in stressful situations in the office and in the field using the best information available and the advice of others?
- Can I value the differences in people to the extent that their work becomes the most important factor which I see and appreciate?
- Can I tolerate the personalities and viewpoints of others even though I don't agree with them and can I discuss the differences without offending them or being offended by them?
- Am I ready to assert myself at the supervisory level in the construction industry or as I learn to become qualified to become a supervisor in ways that I know I am not comfortable doing?
- Am I willing to help the people I supervise deal with both work and outside of work issues so that they will become as productive in their personal lives as they are in their jobs?
- Am I willing to look myself in the mirror and become self-aware of what I should be seeing in myself AND/OR am I willing to consider how other people see me rather than how I think they see me and then change if needed?

#### **TENTATIVE SCHEDULE OF ACTIVITIES**

<b>WEEK</b>	<b>CLASS CONTENT</b>	<b>HOMEWORK/ASSIGNMENTS/EXAMS</b>
1	Lesson 1 – The Big Picture	In-class discussions & homework Leadership A to Z (Attitude) Elevating Superintendents Part 1 5 Minute Foreman: Introduction
2	Lesson 2 – The Dynamics of Supervision and Supervising	In-class discussions & homework Leadership A to Z (Balance and Communicate) Alpha Dog (Chapter 1)
3	Lesson 3 – Risk Management and Problem Solving	In-class discussions & homework Leadership A to Z (Decisive and Endurance) 5 Minute Foreman: Chapter 1
4	Lesson 4 Decision Making	In-class discussions & homework



		Leadership A to Z (Fair and Genuine) Alpha Dog (Chapter 2)
5	Lesson 5 – Oral Communication	In-class discussions & homework Leadership A to Z (Humble and Integrity) 5 Minute Foreman: Chapter 2
6	Lesson 6 – Written Communication	In-class discussions & homework Leadership A to Z (Judgment and Knowledgeable) Alpha Dog (Chapter 3)
7	Lesson 7 – Leadership	In-class discussions & homework Leadership A to Z (Loyal and Model) Elevating Superintendents Part 2
8	Lesson 8 – Understanding and Motivating People at Work	In-class discussions & homework Leadership A to Z (Nobel) Alpha Dog (Chapter 4) <b>Mid-Term Exam</b>
9	Lesson 9 – Employee Training and Performance Appraisal	In-class discussions & homework Leadership A to Z (Open-minded and Power) 5 Minute Foreman: Chapter 3
10	Lesson 9 cont.	In-class discussions & homework Leadership A to Z (Quality) <b>*SUPERVISOR INTERVIEW DUE*</b>
11	Lesson 10 – Intervention for Troubled Employees	In-class discussions & homework Leadership A to Z (Results and Self-_____) Alpha Dog (Chapter 5) 5 Minute Foreman: Chapter 4-5
12	Lesson 10 cont.	In-class discussions & homework Leadership A to Z (Timely and Urgent)
<b>November 20-24 THANKSGIVING BREAK</b>		
13	Lesson 11 – Diversity in the Workplace	In-class discussions & homework Leadership A to Z (Vision and Willing) 5 Minute Foreman: Chapter 6 <b>*Draft PDP DUE*</b>
14	Lesson 11 cont.	Leadership A to Z (Generation X) Alpha Dog (Chapter 6) Elevating Superintendents Part 3
15	Dead Week	In-class discussions & homework Leadership A to Z (Yield and Zeal) 5 Minute Foreman: Chapter 7-8 <b>*Final Professional Development Plan (PDP) DUE</b>
16		<b>Final Exam Week</b>

### Reading/Written Response Assignments

The ability to communicate is probably one of the most important and vital skills in construction, both verbally and in writing. If a person cannot send or receive accurate messages within the construction industry, it is difficult for a person or project to succeed. Students are required to demonstrate their acquisition and application of course topics using written assignments based on assigned reading from the course textbooks. Effectively expressing yourself in writing is a clear demonstration of your ability to read, learn, reflect, respond, and subsequently impart valuable ideas and concepts to others. In terms of construction supervision, the goal of the writing activities from the student perspective is to develop a purpose or a self-improvement outcome in the context of focused reading and reflection following by writing about what was learned or considered valuable. It is guided practice on how to express yourself in writing to others with honesty and integrity focused on both content and context. Communicating effectively with yourself and others is essential to becoming an inspiring role model and leader within the construction industry. Students will write on a regular basis directly related to course content in the form of chapter reflections for *Construction Leadership from A to Z*; *Alpha Dog: Leading, Managing & Motivating in the Construction Industry*; *Elevating Construction Superintendents*; *The Five Minute Foreman. Mastering the People Side of Construction*, exams, and formal papers (supervisor interview and the professional development plan).

When possible, students should refer to the insights provided by the authors of the textbooks by incorporating their ideas into their writing but all such references must be given proper attribution using APA style for documenting source material.

### **STUDENT EVALUATION AND GRADING**

#### Preparation/Attendance/Participation/Contribution (PACP)

100 points are available and will be awarded for your demonstrated attendance, active participation, and observable preparation to engage or be attentive to the topic being discussed. The participation grade is based upon: (a) contributions to classroom discussions; (b) reactions to assigned readings and presentations, c) attentiveness in face to face meetings. Some obvious negative or disruptive behaviors that will be observed and recorded by the instructor which may affect the PACP score include: **absent, late, asking for additional copies of homework or handouts previously provided, unprepared to take notes, inappropriate use of electronic devices (especially texting or internet use on a cell phone or other device), sleeping, excessive talking while the instructor is speaking, unethical behavior, annoyance or harassment of other students or the instructor, not removing a hat or hoodie during class time, and any other actions deemed "unprofessional" as a student or as an adult.** *Please remember these 100 points are not just for coming to class. It includes your willingness to respond to questions or comments by the instructor or other students, paying attention, showing up on-time or before class is scheduled to begin, taking notes or demonstrating that you are trying to learn and apply the information, turning in assignments on time, not talking when the instructor is talking, etc.* **100 Points possible**

**Bonus:** Those students with perfect attendance (no unexcused absences and never being late for the start of class) up to finals week will earn an extra 10% (10 points) added to their PACP grade.

## Course Assignments:

- I. **Worksheets and Homework** – There are worksheets and homework assignments which correspond to the content and context of reading the course textbooks that will help students to put the information into a usable and relatable context within their own work and life experiences. The specific assignments and due dates will be provided by the instructor in class. The source of most of the homework assignments will be the weekly discussion topics or the textbook reading assignments. **50 pts. possible**
  
- II. **Weekly Chapter Read and Reflections** – Each week students will be given reading assignments of sections/chapters of the course textbooks by the instructor. Then, during each class meeting students are required to turn in their responses to the reflection questions provided on Canvas for the specific textbook in which reading was assigned. Students should also be ready to discuss their written responses to the questions with each other and the instructor. **230 pts. possible**

The responses will be graded with the following rubric:

<b>4-5 points</b>	Provided responses that were thoughtful, showed concentrated self-reflection and honest self-assessment, realistic, and included past experiences as the gauge and reference point for measuring needed change. What was written was believable, meaningful, and provoking. The dialogue directly referenced or was notably related to the required reading. The writing was aligned with the 6 performance categories found in the PSU Writing Rubric at the exceeding expectation level.
<b>2-3 points</b>	Response was generally realistic based on the student's expression of self-awareness and mostly concentrated on their personality attributes which need development. The student response showed average or baseline thought and development of the topic. There was some lack of focus and attention to detail. It was obvious that the student read the book as their response showed some connection to the assigned reading but lacked an energetic effort to reflect and respond using personal or professional life-based experiences. The writing only conformed to minimally meeting the expectations of the 6 categories found in the PSU Writing Rubric.
<b>0-1 points</b>	Student response only answered the basic question – sometimes with only a yes/no, showed some interest in self-improvement but performed only what was required or less. The veiled effort to 'BS' the instructor and in reality themselves was obvious. It was difficult to discern if the student had even read the required reading as the response was disjointed and unconnected to the concepts covered in the assigned reading. The writing fell below expectations as outlined by the PSU writing rubric for the 6 performance categories.

**Note: NO LATE OR MAKE-UP ASSIGNMENTS WILL BE ACCEPTED. If you do not have an assignment on the due date, you will be given zero points for that particular assignment. This is not an online course, if you don't come to class to discuss and turn in the chapter discussions or any other assignment then don't bother, I will not take them after the class meeting or emailed to me or shoved under my door.**

**GRADING:**

<b>Possible Points</b>	
PAPC	100
Worksheets/Homework	50
Chapter Responses	230
Interview Questions	25
Supervisor Interview	100
PDP	100
Midterm Test	50
Final Test	<u>60</u>
<b>Total points possible</b>	<b>715</b>

<b>Grade Scale</b>	
A	643 - 715
B	572 - 642
C	500 - 571
D	429 - 501
F	428 and below

## Faculty Senate Course Form

Effective Date: Fall 2024 Submission Date: 11/10/23  
Department: School of Construction College of: Technology  
Contact Person: Shannon Nicklaus Faculty

Course: **Revision**

**Originating Department(s):** After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation," to allow for review and questions. Any modifications should be saved as "original file name. v2.docx" and uploaded as well.

Following final College Curriculum Committee approval, please print the final version of this form, apply the appropriate signatures, and send to your College Admin.

---

1. Purpose/Justification for a **Revision** to Course: **CMCET 639**  
For years this course has been offered as a (2) hour course while utilizing a (3) hour time slot. With the change in General Education the School of Construction gained credit hours and we chose to bring this course up to match the in class hours.
2. Is this related to, and/or affect, any other department/college/unit curricula or programs at Pittsburg State University? *Whether "Yes" or "No" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of emails, memos, etc.) that have occurred.*  
No
3. Will this course be required of any education majors? No  
*If "yes," this requirement will need to have the approval of the Council for Teacher Education before upload to "Approved College Curriculum Legislation" in SharePoint.*
4. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?  
None
5. Are additional resources required (e.g. library or multimedia resources, technology, space, major expense etc.)? **Explain:**  
No

7. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)? *Select One*  
If "yes," complete the Course Fee Form on the Provost's website, it will need to gain approval of the President's Council.
8. Objectives/Student Learning Outcomes for NEW courses only, as it will appear in the syllabus:  
**Attach with upload.**
9. Assessment Strategies (e.g. exams, projects, university rubric, etc.), as it will appear in the syllabus:  
**Attach with upload.**

**Course Numbers cannot be changed, only created.**

	Existing	New/Proposed
Title:	Construction Estimating II	Construction Estimating II
Course Number:	CMCET 639	CMCET 639
Credits:	2	3
Grading System:	A-F, IN <input checked="" type="checkbox"/> IP <input type="checkbox"/> P/F <input type="checkbox"/>	A-F, IN <input checked="" type="checkbox"/> IP <input type="checkbox"/> P/F <input type="checkbox"/>
Pre/Co-Requisite(s):	CMCET 631 Construction Estimating I.	CMCET 631 Construction Estimating I.
Course Description	(2 hours lecture). Advanced study of estimating and bidding procedures for building, civil, and industrial construction. Includes unit price estimating, conceptual estimating, detailed estimating, overhead allocation, profit determination, bidding strategies, and bid formulation. Project oriented. Use of computer software. Prerequisite: CMCET 631 Construction Estimating I.	(3 hours lecture). Advanced study of estimating and bidding procedures for building, civil, and industrial construction. Includes unit price estimating, conceptual estimating, detailed estimating, overhead allocation, profit determination, bidding strategies, and bid formulation. Project oriented. Use of computer software. Prerequisite: CMCET 631 Construction Estimating I.

## Authorization/Notification Sign-Off Sheet

-Approved: Department Chairperson

Date: 11/19/23 Signature, Chairperson: 

-Approved: College Curriculum Committee

Date: 12/01/2023 Signature, Committee Chair: 

-Approved: Dean of College

Date: 12/05/2023 Signature, Dean: 

-Approved: Council for Teacher Education (if applicable)

Date: \_\_\_\_\_ Signature, Council Chair: \_\_\_\_\_

-Approved: University Undergraduate Curriculum Committee

Date: 01-19-2024 Signature, Committee Chair: 

-Approved: Faculty Senate

Date: \_\_\_\_\_ Signature, Recorder Faculty Senate: \_\_\_\_\_

Originating Departments(s): After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation", to allow for review and questions. Any modifications should be saved as "original file name.v2.docx" and uploaded as well.

**Pittsburg State University**  
**School of Construction**  
(Prepared by: Dennis Audo)

**COURSE TITLE:** CMCET 639-01 & 02 CONSTRUCTION ESTIMATING II

**COURSE SCHEDULE:** **01 Section** (Tuesday 2:15-5:00pm) KTC Room W206  
**02 Section** (Wednesday 3:20-5:50pm) KTC Room W206

**INSTRUCTOR:** Dennis Audo

Phone: (620) 235-4360

E-mail: daudo@pittstate.edu

Office: Room #W105g

Fax: (620) 235-4004

Cell: (620) 719-9605

**COURSE DESCRIPTION:** CMCET 639. (3 hours lecture). Advanced study of estimating and bidding procedures for building, civil, and industrial construction. Includes unit price estimating, conceptual estimating, detailed estimating, overhead allocation, profit determination, bidding strategies, and bid formulation. Project oriented. Use of computer software. Prerequisite: CMCET 631 Construction Estimating I.

**TEXTBOOK/MATERIALS REQUIRED:**

- Internet
- Handouts
- Blueprints
- Colored Pencils
- Calculator
- Engineer scale
- Architect scale
- External storage device (thumb drive)

**COURSE GOALS & OBJECTIVES:**

- Understanding the bidding process(a,i,j,1,7)
- Develop the skill required to setup and update electronic estimating databases(a,1)
- Estimate types and their purpose(a,1)
- Compiling and analyzing construction bids(a,1)
- Conceptual estimating(a,1)



**COURSE TOPICS:**

1. Introduction and discussion of the characteristics of the various types of construction bidding
2. Introduction to Timberline Estimating & MC2 software, database structures. Creation of database; group phases, phases, items and formulas
3. Introduction to compiling and analyzing construction bids
4. Introduction and discussion of the characteristics of conceptual estimating

**TENTATIVE SCHEDULE OF ACTIVITIES**

<b><u>WEEK</u></b>	<b><u>CLASS CONTENT</u></b>	<b><u>LAB ACTIVITY</u></b>
<b>1</b>	Introduction to class	Bidding laws & regulations
<b>2</b>	Budget estimating	Development equipment costs
<b>3</b>	Pre-estimate activities	Developing crew costs, I
<b>4</b>	Quantity take-off & pricing	Developing crew costs II
<b>5</b>	Test # 1	Crew production
<b>6</b>	Estimating subcontractor work & general conditions	Model estimating
<b>7</b>	Completing the estimate & unit price estimating	Equipment production
<b>8</b>	Bid day & bid day activities	Post bid day activities
<b>9</b>	Test #2	MC2 Estimate
<b>10</b>	Guaranteed maximum price estimates	Timberline Estimate
<b>11</b>	Guaranteed maximum price estimates case study	Timberline database development
<b>12</b>	Automated estimating & other types of estimates	Timberline database development
<b>13</b>	Conceptual estimating	Timberline data base development
<b>14</b>	Guest speaker (MANDATORY ATTENDANCE)	Guest speaker (MANDATORY ATTENDANCE)
<b>15</b>	Project management issues	Current issues related to estimating
<b>16</b>	<b>Final Review</b>	

**Grading:**

All scores of homework and quizzes will be included in the student's final score. The grading scale will be as follows:

90 – 100 = A

89 – 80 = B

79 – 70 = C

69 – 60 = D

59 – 0 = F

## Faculty Senate Course Form

Effective Date: Fall 2024 Submission Date: 11/10/23  
Department: School of Construction College of: Technology  
Contact Person: Shannon Nicklaus Faculty

Course: **Revision**

**Originating Department(s):** After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation," to allow for review and questions. Any modifications should be saved as "original file name. v2.docx" and uploaded as well.

Following final College Curriculum Committee approval, please print the final version of this form, apply the appropriate signatures, and send to your College Admin.

---

1. Purpose/Justification for a **Revision** to Course: **CMCET 651**  
To consolidate courses within the emphasis areas and increase enrollment course numbers.
2. Is this related to, and/or affect, any other department/college/unit curricula or programs at Pittsburg State University? *Whether "Yes" or "No" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of emails, memos, etc.) that have occurred.*  
NO
3. Will this course be required of any education majors? No  
*If "yes," this requirement will need to have the approval of the Council for Teacher Education before upload to "Approved College Curriculum Legislation" in SharePoint.*
4. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?  
None
5. Are additional resources required (e.g. library or multimedia resources, technology, space, major expense etc.)? **Explain:**  
No new Resources required.

7. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)? <sup>No</sup>  
*If "yes," complete the Course Fee Form on the Provost's website, it will need to gain approval of the President's Council.*
8. Objectives/Student Learning Outcomes for NEW courses only, as it will appear in the syllabus:  
**Attach with upload.**
9. Assessment Strategies (e.g. exams, projects, university rubric, etc.), as it will appear in the syllabus:  
**Attach with upload.**

**Course Numbers cannot be changed, only created.**

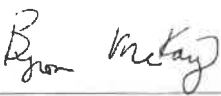
	Existing	New/Proposed
Title:	Heavy/Highway/Bridge Construction	Civil Construction II (Highway/Bridge/Utility)
Course Number:	651	651
Credits:	3	3
Grading System:	A-F, IN <input checked="" type="checkbox"/> IP <input type="checkbox"/> P/F <input type="checkbox"/>	A-F, IN <input checked="" type="checkbox"/> IP <input type="checkbox"/> P/F <input type="checkbox"/>
Pre/Co-Requisite(s):	Prerequisite: CMCET 434 Civil Construction	Prerequisite: CMCET 434 Civil Construction
Course Description	(2 hours lecture, 2 hours laboratory). Functional knowledge of materials, methods, scheduling, estimating and management associated with highway, street, bridge, dam and other heavy construction. Prerequisite: CMCET 434 Civil Construction.	(2 hours lecture, 2 hours laboratory). Functional knowledge of materials, methods, scheduling, estimating and management associated with highway, street, bridge, dam and other heavy construction. Prerequisite: CMCET 434 Civil Construction.

## Authorization/Notification Sign-Off Sheet

-Approved: Department Chairperson

Date: 11/19/23 Signature, Chairperson:  \_\_\_\_\_

-Approved: College Curriculum Committee

Date: 12/01/2023 Signature, Committee Chair:  \_\_\_\_\_

-Approved: Dean of College

Date: 12/05/2023 Signature, Dean:  \_\_\_\_\_

-Approved: Council for Teacher Education (if applicable)

Date: \_\_\_\_\_ Signature, Council Chair: \_\_\_\_\_

-Approved: University Undergraduate Curriculum Committee

Date: 01-19-2024 Signature, Committee Chair:  \_\_\_\_\_

-Approved: Faculty Senate

Date: \_\_\_\_\_ Signature, Recorder Faculty Senate: \_\_\_\_\_

Originating Departments(s): After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation", to allow for review and questions. Any modifications should be saved as "original file name.v2.docx" and uploaded as well.

**Pittsburg State University**  
**School of Construction – Construction Engineering Technology**  
**Fall 20##**

**COURSE TITLE:** CMCET 651 – Civil Construction II

**COURSE DELIVERY/SCHEDULE:** F2F – TBD

**INSTRUCTOR:** TBD

**COURSE DESCRIPTION:** CMCET 651 Civil Construction II. 3 hours. (2 hours lecture, 2 Hours Lab). Functional knowledge of materials, methods, scheduling, estimating and management associated with highway, street, bridge, utility, dam and other heavy construction. Prerequisite: CMCET 434 Civil Construction.

**TEXTBOOK/MATERIALS REQUIRED:**

- Handouts
- Bluebeam (for home use no Apple)
- AGC Smart Brief Subscription
- IECA SmartBrief Subscription
- Construction Dive Newsletter
- Autodesk Student Account
- Trimble Student Account
- Additional software will be provided as needed

**COURSE OBJECTIVES:** (Reference to Program Outcomes)

- To provide an advanced experience in interpreting Highway/Road/Bridge/Utility construction plans and specifications influenced by regional City, State, and Federal. (1,3,4)
- To provide an understanding of Highway/Road/Bridge/Utility construction methodology, estimating, bidding, scheduling, and project management. (1,3,4)
- To provide and understanding of appropriate terminology associated with Highway/Road/Bridge/Utility construction. (2,4)
- To provide an understanding of methods, materials and QA/QC for various types of Highway/Road/Bridge/Utility construction (1,3,4)
- To provide an understanding of safety practices and requirements associated with Highway/Road/Bridge/Utility construction.
- To provide an understanding of software used in Highway/Road/Bridge/Utility construction estimating, scheduling, and design.

**COURSE TOPICS:**

1. Highway Construction, Materials & Methods
2. Bridge Construction, Materials & Methods
3. Plans & Specifications: Estimating, Bidding, Scheduling and Management for Highways & Bridges
4. Traffic Control for Highways & Bridges, Methods & Management
5. Safety for Highway & Bridges, Methods & Management
6. Water/ Wastewater Construction Material & Methods
7. Underground Utility Construction Material & Methods
8. Safety for Utility Construction, Methods & Management
9. Use of Technology in Utility Construction

## **COURSE GRADING**

Final grades will be based on the following scale:

90% - 100%	A
80% - 90%	B
70% - 80%	C
60% - 70%	D
0% - 60%	F

Course grades will be assigned using the following approximate proportions for class activities:

Homework/Quizzes	55%
Projects	30%
Final Project	<u>15%</u>
	100%

Note: Grades accumulated during the semester will be entered in CANVAS for the course. Students are encouraged to check such grades for accuracy and notify the instructor immediately if a grade is incorrectly recorded as compared to the returned work.

## Faculty Senate Course Form

Effective Date: Fall 2024 Submission Date: 11/10/23  
Department: School of Construction College of: Technology  
Contact Person: Shannon Nicklaus Faculty

Course: **Deletion**

**Originating Department(s):** After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation," to allow for review and questions. Any modifications should be saved as "original file name. v2.docx" and uploaded as well.

Following final College Curriculum Committee approval, please print the final version of this form, apply the appropriate signatures, and send to your College Admin.

---

1. Purpose/Justification for a **Deletion** to Course: **CMCET 652**  
Combining CMCET 651 and CMCET 652 student learning outcomes and objectives to condense information within the course under the CMCET 651 Course. To consolidate courses within the emphasis areas and increase enrollment course numbers.
2. Is this related to, and/or affect, any other department/college/unit curricula or programs at Pittsburg State University? *Whether "Yes" or "No" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of emails, memos, etc.) that have occurred.*  
NO
3. Will this course be required of any education majors? No  
*If "yes," this requirement will need to have the approval of the Council for Teacher Education before upload to "Approved College Curriculum Legislation" in SharePoint.*
4. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?  
None
5. Are additional resources required (e.g. library or multimedia resources, technology, space, major expense etc.)? **Explain:**  
No new Resources required.



7. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)? <sup>No</sup>  
*If "yes," complete the Course Fee Form on the Provost's website, it will need to gain approval of the President's Council.*
8. Objectives/Student Learning Outcomes for NEW courses only, as it will appear in the syllabus:  
**Attach with upload.**
9. Assessment Strategies (e.g. exams, projects, university rubric, etc.), as it will appear in the syllabus:  
**Attach with upload.**

**Course Numbers cannot be changed, only created.**

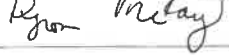
	Existing	New/Proposed
Title:	Utility Construction	
Course Number:	652	
Credits:	3	
Grading System:	A-F, IN <input checked="" type="checkbox"/> IP <input type="checkbox"/> P/F <input type="checkbox"/>	A-F, IN <input type="checkbox"/> IP <input type="checkbox"/> P/F <input type="checkbox"/>
Pre/Co-Requisite(s):	Prerequisite: CMCET 434 Civil Construction	n
Course Description	(2 hours lecture, 2 hours laboratory). Functional knowledge of materials, methods, scheduling, estimating and management associated with utility based construction. Prerequisite: CMCET 434 Civil Construction.	

## Authorization/Notification Sign-Off Sheet

-Approved: Department Chairperson

Date: 11/19/23 Signature, Chairperson: 

-Approved: College Curriculum Committee

Date: 12/01/23 Signature, Committee Chair: 

-Approved: Dean of College

Date: 12/05/23 Signature, Dean: 

-Approved: Council for Teacher Education (if applicable)

Date: \_\_\_\_\_ Signature, Council Chair: \_\_\_\_\_

-Approved: University Undergraduate Curriculum Committee

Date: 01-19-2024 Signature, Committee Chair: 

-Approved: Faculty Senate

Date: \_\_\_\_\_ Signature, Recorder Faculty Senate: \_\_\_\_\_

Originating Departments(s): After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation", to allow for review and questions. Any modifications should be saved as "original file name.v2.docx" and uploaded as well.

## Faculty Senate Course Form

Effective Date: Fall 2024 Submission Date: 11/10/23

Department: School of Construction College of: Technology

Contact Person: Christopher Pross Faculty

Course: **Revision**

**Originating Department(s):** After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation," to allow for review and questions. Any modifications should be saved as "original file name. v2.docx" and uploaded as well.

Following final College Curriculum Committee approval, please print the final version of this form, apply the appropriate signatures, and send to your College Admin.

---

1. Purpose/Justification for a **Revision** to Course: **CMCET 691**  
For years this course has been offered as a (3) hour course while utilizing a (4) hour time slot. With the change in General Education the School of Construction gained credit hours and we chose to bring this course up to match the in class hours.
2. Is this related to, and/or affect, any other department/college/unit curricula or programs at Pittsburg State University? *Whether "Yes" or "No" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of emails, memos, etc.) that have occurred.*  
No
3. Will this course be required of any education majors? No  
*If "yes," this requirement will need to have the approval of the Council for Teacher Education before upload to "Approved College Curriculum Legislation" in SharePoint.*
4. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?  
No
5. Are additional resources required (e.g. library or multimedia resources, technology, space, major expense etc.)? **Explain:**  
None

7. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)? **Select One**  
If "yes," complete the Course Fee Form on the Provost's website, it will need to gain approval of the President's Council.
8. Objectives/Student Learning Outcomes for NEW courses only, as it will appear in the syllabus:  
**Attach with upload.**
9. Assessment Strategies (e.g. exams, projects, university rubric, etc.), as it will appear in the syllabus:  
**Attach with upload.**

**Course Numbers cannot be changed, only created.**

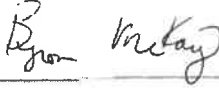
	Existing	New/Proposed
Title:	Senior Projects	Senior Projects
Course Number:	CMCET 691	CMCET 691
Credits:	3	4
Grading System:	A-F, IN <input checked="" type="checkbox"/> IP <input type="checkbox"/> P/F <input type="checkbox"/>	A-F, IN <input checked="" type="checkbox"/> IP <input type="checkbox"/> P/F <input type="checkbox"/>
Pre/Co-Requisite(s):	Prerequisites: senior standing and permission of instructor.	Prerequisites: senior standing and permission of instructor
Course Description	3 hours. (6 hours laboratory). Capstone experience utilizing construction design, methods, cost analysis, specifications, contracts and organization in a construction project. The course employs computer applications for design, drafting, and control. Prerequisites: senior standing and permission of instructor.	4 hours. (Hybrid) (1 hour lecture,6 hours laboratory). Capstone experience utilizing construction design, methods, cost analysis, specifications, contracts and organization in a construction project. The course employs computer applications for design, drafting, and control. Prerequisites: senior standing and permission of instructor.

# Authorization/Notification Sign-Off Sheet

-Approved: Department Chairperson


Date: 11/19/23 Signature, Chairperson: 

-Approved: College Curriculum Committee

Date: 12/01/23 Signature, Committee Chair: 

-Approved: Dean of College

12/05/2023

Date: \_\_\_\_\_ Signature, Dean: 

-Approved: Council for Teacher Education (if applicable)

Date: \_\_\_\_\_ Signature, Council Chair: \_\_\_\_\_

-Approved: University Undergraduate Curriculum Committee

Date: 01-19-2024 Signature, Committee Chair: 

-Approved: Faculty Senate

Date: \_\_\_\_\_ Signature, Recorder Faculty Senate: \_\_\_\_\_

Originating Departments(s): After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation", to allow for review and questions. Any modifications should be saved as "original file name.v2.docx" and uploaded as well.

**Pittsburg State University  
School of Construction  
Spring 2023**

(Prepared by: Chris Pross, P.E. and Chad Crain, January 2023)

**COURSE TITLE:** CMCET 691 – Senior Projects

**COURSE DELIVERY/SCHEDULE:** FTF; **Lecture** – T/TH 10:00 – 11:40 AM, W212/W206 KTC

**INSTRUCTORS:** Chris Pross – (620) 235-4358 [cpross@pittstate.edu](mailto:cpross@pittstate.edu) (Office W105f KTC)  
(712) 249-6758 (cell)  
Chad Crain – (620) 235-4268, [ccrain@pittstate.edu](mailto:ccrain@pittstate.edu) (Office W105d KTC)  
(620) 674-1416 (cell)  
James Otter – (620) 235-4349, [jlotter@pittstate.edu](mailto:jlotter@pittstate.edu) (Office W223 KTC)  
Todd Melton - (620) 235-4269 (Office W226)  
(620) 249-1645 (cell)  
Faculty Office Hours posted All faculty use fax (620) 235-6558

**COURSE DESCRIPTION:** **CMCET 691 Senior Project.** 3 hours. (6 hours laboratory). Capstone experience utilizing construction design, methods, cost analysis, specifications, contracts and organization in a construction project. The course employs computer applications for design, drafting, and control. Prerequisites: senior standing and permission of instructor.

**TEXTBOOK/MATERIALS REQUIRED:**

- Textbook – No Textbook required
- Computer Storage Device
- Safety Personal Protective Equipment (PPE) – OSHA Approved Hardhat & SafetyGlasses

**COURSE OBJECTIVES:** (Referenced to CMCET Educational Outcomes)

- Objective #1: To introduce the students to the working of a construction company. (Outcomes 1, 2, 5, 6, 7)
- Objective #2: To have the student experience a project from design to completion. (Outcome 5, 6, 7)
- Objective #3: To allow the student to schedule and plan a real world project. (Outcomes 1, 6)
- Objective #4: To introduce the student to the organization and management of a labor force. (Outcomes 1, 5)
- Objective #5: To introduce the student to project cost control. (Outcomes 1, 6)
- Objective #6: To introduce the student to project document control. (Outcomes 1, 6)

**COURSE TOPICS:**

1. Construction company structure
2. Construction professional job descriptions
3. Construction project design document development
4. Construction project budget development and control
5. Construction project scheduling
6. Construction contracts

## TENTATIVE SCHEDULE OF ACTIVITIES

<u>DAY</u>	<u>CLASS CONTENT</u>	<u>ASSIGNMENTS</u>
1 –	Introduction/ PSU Construction Current Projects/ PSU Construction Positions	Resume update, Letter of proposal,
2 –	Project Assignments; Documentation Tools /Presentations	Signed Safety Form, Team Roles
3 –	ProCore Introduction, Estimating Workshop	ProCore Training Modules
4 –	Communication/Documentation, Leadership	
5 –	Construction Documentation: Procure –Emily Brown, McCownGordon Construction	One page Summary of Presentation
6 –	Leadership Workshop – Larry Weis, Note: Starts at 9:30 am	One page Summary of Presentation
7 –	Scheduling Workshop; Contract Writing Workshop	
8 –	Permits and Utilities Workshop – Matt Bacon, City of Pittsburg	One page Summary of Presentation
9 –	Design and Specifications Workshop	
10 –	Poster Board Presentation Workshop	
11 –	Project Related Activities	
12 –	Project Related Activities	
13 –	Project Related Activities	
14 –	Project Related Activities	
15 –	Mid Semester Presentations	All PPT's submitted by 9:00 AM
16 –	Mid Semester Presentations	Midterm Team/Self Evaluations
17 –	Spring Break (No Class)	
18 –	Spring Break (No Class)	
19 –	Project Related Activities	
20 –	Project Related Activities	
<b>(Friday)</b>	Leadership Council Presentations	<b>Presentations start at 9:00 AM Be ready by 8:30 AM</b>
21 –	Project Related Activities	
22 –	Project Related Activities	
23 –	Project Related Activities	
24 –	Project Related Activities	
25 –	Project Related Activities	
26 –	Project Related Activities	
27 –	Project Related Activities	
28 –	Project Related Activities	
29 –	Project Related Activities	
30 –	Project Related Activities	
31 –	Final Presentations	All PPT's submitted by 9:00 AM
32 –	Final Presentations	
33 –	Final Week	Team/Self Evaluations, Project Documentation, Lessons Learned Due by 5:00 AM

Schedule for activities above is subject to availability of the presenter and will be announced as it becomes available. When presenter is a guest speaker from industry business casual attire is required for all employees.

**GRADING SYSTEM:**

Grades will be based on the following scale:

90% - 100%	A
80% - 89%	B
70% - 79%	C
60% - 69%	D
0% - 59%	F

Final grades will be assigned using the following approximate proportions for each class activity:

**STUDENT EVALUATION:**

**Individual**

*Individual Performance* – Weekly Performance Evaluation; Peer review; 20%

- Individual Documents; Individual Presentation/Meeting Performance,
- Implementation and support of safety policies/rules

*Individual Leadership* – Company-level; Project-level; or Task-level 15%

*Individual Professional Development* – Seminars; Self-improvement, etc. 15%

(Scheduled Workshops/Activities)

**Team**

*Team Project Management* – Project Documents; Meetings; Communication; 15%

- Quality & Timely Documentation; Distribution of Resources

*Team Performance* – Product Delivered 15%

- Timely Project Completion, Quality, Safety, Customer Satisfaction;

*Presentations/Meetings* – Team Performance 20%

- Scheduling; Timeliness; Presentation Quality; Professional Appearance;
- Preparation; Efficiency

---

100%



## Faculty Senate Course Form

Effective Date: Fall 2024 Submission Date: 11/1/23  
Department: School of Construction College of: Technology  
Contact Person: Brian Welch Faculty

### Course: Revision

**Originating Department(s):** After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation," to allow for review and questions. Any modifications should be saved as "original file name. v2.docx" and uploaded as well.

Following final College Curriculum Committee approval, please print the final version of this form, apply the appropriate signatures, and send to your College Admin.

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1. Purpose/Justification for a **Revision** to Course:  
Changing the credit hour requirement of EST 400 - Cooperative Education/Internship from (3 to 6) to (1 to 3). This change aligns credit hour requirements with other School of Construction internship credit hour requirements.
2. Is this related to, and/or affect, any other department/college/unit curricula or programs at Pittsburg State University? *Whether "Yes" or "No" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of emails, memos, etc.) that have occurred.*  
No, EST 400 is only offered to students seeking the ESM degree.
3. Will this course be required of any education majors? **No**  
*If "yes," this requirement will need to have the approval of the Council for Teacher Education before upload to "Approved College Curriculum Legislation" in SharePoint.*
4. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?  
**NO**
5. Are additional resources required (e.g. library or multimedia resources, technology, space, major expense etc.)? **Explain:**  
**NO**

7. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)? <sup>No</sup>  
*If "yes," complete the Course Fee Form on the Provost's website, it will need to gain approval of the President's Council.*
8. Objectives/Student Learning Outcomes for NEW courses only, as it will appear in the syllabus:  
**Attach with upload.**
9. Assessment Strategies (e.g. exams, projects, university rubric, etc.), as it will appear in the syllabus:  
**Attach with upload.**

**Course Numbers cannot be changed, only created.**

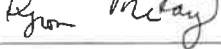
	Existing	New/Proposed
Title:	Cooperative Education/Internship	Cooperative Education/Internship
Course Number:	EST 400	EST 400
Credits:	3 to 6	1 to 3
Grading System:	A-F, IN <input type="checkbox"/> IP <input type="checkbox"/> P/F <input checked="" type="checkbox"/>	A-F, IN <input type="checkbox"/> IP <input type="checkbox"/> P/F <input checked="" type="checkbox"/>
Pre/Co-Requisite(s):		
Course Description	An internship or cooperative education experience in industry, business or government. Student is interviewed and employed by an industrial business or governmental organization with a defined work program. Supervision of the work experience is conducted by the employer and a program coordinator. May be repeated if subject matter is different. Written permission of the department is required. Offered on a pass-fail basis only.	An internship or cooperative education experience in industry, business or government. Student is interviewed and employed by an industrial business or governmental organization with a defined work program. Supervision of the work experience is conducted by the employer and a program coordinator. May be repeated if subject matter is different. Written permission of the department is required. Offered on a pass-fail basis only.

## Authorization/Notification Sign-Off Sheet

-Approved: Department Chairperson

Date: 4/10/23 Signature, Chairperson: 

-Approved: College Curriculum Committee

Date: 12/01/23 Signature, Committee Chair: 

-Approved: Dean of College

Date: 12/05/23 Signature, Dean: 

-Approved: Council for Teacher Education (if applicable)

Date: \_\_\_\_\_ Signature, Council Chair: \_\_\_\_\_

-Approved: University Undergraduate Curriculum Committee

Date: 01-19-2024 Signature, Committee Chair: 

-Approved: Faculty Senate

Date: \_\_\_\_\_ Signature, Recorder Faculty Senate: \_\_\_\_\_

## Faculty Senate Course Form

Effective Date: Fall 2024 Submission Date: 11/1/23  
Department: School of Construction College of: Technology  
Contact Person: Brian Welch Faculty

Course: **Revision**

**Originating Department(s):** After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation," to allow for review and questions. Any modifications should be saved as "original file name. v2.docx" and uploaded as well.

Following final College Curriculum Committee approval, please print the final version of this form, apply the appropriate signatures, and send to your College Admin.

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1. Purpose/Justification for a **Revision** to Course:  
Changing the credit hour requirement of EST 614 - Environmental and Safety Program Development from 2 to 3. This change better represents the time students spend in and out of class working on course requirements. Also clean up the course description to reflect current courses listed as pre-requisites.
2. Is this related to, and/or affect, any other department/college/unit curricula or programs at Pittsburg State University? *Whether "Yes" or "No" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of emails, memos, etc.) that have occurred.*  
No, EST 614 is only offered to students seeking the ESM degree.
3. Will this course be required of any education majors? No  
*If "yes," this requirement will need to have the approval of the Council for Teacher Education before upload to "Approved College Curriculum Legislation" in SharePoint.*
4. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)?  
NO
5. Are additional resources required (e.g. library or multimedia resources, technology, space, major expense etc.)? **Explain:**  
NO


7. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)? <sup>No</sup>  
*If "yes," complete the Course Fee Form on the Provost's website, it will need to gain approval of the President's Council.*
8. Objectives/Student Learning Outcomes for NEW courses only, as it will appear in the syllabus:  
**Attach with upload.**
9. Assessment Strategies (e.g. exams, projects, university rubric, etc.), as it will appear in the syllabus:  
**Attach with upload.**

**Course Numbers cannot be changed, only created.**

	Existing	New/Proposed
Title:	Environmental and Safety Program Dev	Environmental and Safety Program Dev
Course Number:	EST 614	EST 614
Credits:	2	3
Grading System:	A-F, IN <input checked="" type="checkbox"/> IP <input type="checkbox"/> P/F <input type="checkbox"/>	A-F, IN <input checked="" type="checkbox"/> IP <input type="checkbox"/> P/F <input type="checkbox"/>
Pre/Co-Requisite(s):	on. Prerequisites: EST 403 Industrial Safety or EST 496 Construction Safety or EST 498 Environmental Safety or EST 603 Industrial Safety or EST 696	EST 403 Industrial Safety or EST 496 Construction Safety.
Course Description	Examine requirements of environmental and safety programs and how to incorporate into an organization's efforts. Students will review developed programs and create their own, which will offer knowledge that can be immediately used upon going into the environmental or safety profession. Prerequisites: EST 403 Industrial Safety or EST 496 Construction Safety or EST 498 Environmental Safety or EST 603 Industrial Safety or EST 696 Construction Safety.	Examine requirements of environmental and safety programs and how to incorporate into an organization's efforts. Students will review developed programs and create their own, which will offer knowledge that can be immediately used upon going into the environmental or safety profession. Prerequisites: EST 403 Industrial Safety or EST 496 Construction Safety.

## Authorization/Notification Sign-Off Sheet

-Approved: Department Chairperson

Date: 11/10/23 Signature, Chairperson:  \_\_\_\_\_

-Approved: College Curriculum Committee

Date: 12/01/2023 Signature, Committee Chair:  \_\_\_\_\_

-Approved: Dean of College

Date: 12/05/23 Signature, Dean:  \_\_\_\_\_

-Approved: Council for Teacher Education (if applicable)

Date: \_\_\_\_\_ Signature, Council Chair: \_\_\_\_\_

-Approved: University Undergraduate Curriculum Committee

Date: 01-19-2024 Signature, Committee Chair:  \_\_\_\_\_

-Approved: Faculty Senate

Date: \_\_\_\_\_ Signature, Recorder Faculty Senate: \_\_\_\_\_

## Faculty Senate Course Form

Effective Date: Fall  2024  Submission Date: 11/1/20  
Department: School of Construction College of: Technology   
Contact Person: Brian Welch Faculty   
Course: New

**Originating Department(s):** After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation," to allow for review and questions. Any modifications should be saved as "original file name. v2.docx" and uploaded as well.

Following final College Curriculum Committee approval, please print the final version of this form, apply the appropriate signatures, and send to your College Admin.

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1. Purpose/Justification for a New  to Course:  
With recent changes to the general deucation requirements from the Kansas Board of Regents, an opening in the 120 credit hour requirement was created. Industry partners (advisory council) have requested students be exposed to technology utilized in the safety management career field.
  2. Is this related to, and/or affect, any other department/college/unit curricula or programs at Pittsburg State University? *Whether "Yes" or "No" response, please provide an explanation. Provide documentation of any discussions (e.g. copies of emails, memos, etc.) that have occurred.* Possibly. This new course may be used by students seeking an elective or persuing a minor in safety management.
  3. Will this course be required of any education majors? No   
*If "yes," this requirement will need to have the approval of the Council for Teacher Education before upload to "Approved College Curriculum Legislation" in SharePoint.*
  4. What additional costs will be required for revising this course (e.g. staffing, equipment, etc.)? Additional costs may include new promotional media to include the new course. Other costs may include equipment used in the career.
  5. Are additional resources required (e.g. library or multimedia resources, technology, space, major expense etc.)? **Explain:**  
Equipment costs associated with the equipment should be covered through School of Construction funding sources and industry partnerships.



7. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)? **No**  
*If "yes," complete the Course Fee Form on the Provost's website, it will need to gain approval of the President's Council.*
8. Objectives/Student Learning Outcomes for NEW courses only, as it will appear in the syllabus:  
**Attach with upload.**
9. Assessment Strategies (e.g. exams, projects, university rubric, etc.), as it will appear in the syllabus:  
**Attach with upload.**

**Course Numbers cannot be changed, only created.**

	Existing	New/Proposed
Title:		Advanced Safety Management Technology
Course Number:		EST 645
Credits:		3
Grading System:	A-F, IN <input type="checkbox"/> IP <input type="checkbox"/> P/F <input type="checkbox"/>	A-F, IN <input checked="" type="checkbox"/> IP <input type="checkbox"/> P/F <input type="checkbox"/>
Pre/Co-Requisite(s):		Junior or Senior Standing
Course Description		This course is designed to provide upper-level college students with an in-depth understanding of how new technologies are revolutionizing safety management in various industries. Through a combination of theoretical concepts, practical applications, case studies, and experiential learning, students will explore the latest tools and techniques being employed to ensure the utmost safety in today's fast-paced work environments.

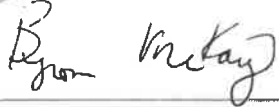


## Authorization/Notification Sign-Off Sheet

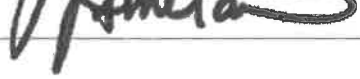
-Approved: Department Chairperson

Date: 11/1/23 Signature, Chairperson:  \_\_\_\_\_

-Approved: College Curriculum Committee

Date: 12/01/2023 Signature, Committee Chair:  \_\_\_\_\_

-Approved: Dean of College

Date: 12/05/2023 Signature, Dean:  \_\_\_\_\_

-Approved: Council for Teacher Education (if applicable)

Date: \_\_\_\_\_ Signature, Council Chair: \_\_\_\_\_

-Approved: University Undergraduate Curriculum Committee

Date: 01-19-2024 Signature, Committee Chair:  \_\_\_\_\_

-Approved: Faculty Senate

Date: \_\_\_\_\_ Signature, Recorder Faculty Senate: \_\_\_\_\_

**PITTSBURG STATE UNIVERSITY**  
**School of Construction**  
(Prepared by: Brian Welch, October 2023)

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**COURSE TITLE:** EST 645-01  
Advanced Safety Management Technology (3 Credit Hours)

**COURSE SCHEDULE:** TBD

**COURSE LOCATION:** TBD

**INSTRUCTOR:** Brian Welch, CSP  
Office: S-204 KTC  
E-Mail: [brianwelch@pittstate.edu](mailto:brianwelch@pittstate.edu)  
Phone: 620-235-4344  
Cell: 620-674-1047

**OFFICE HOURS:** TBD

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**TEXTBOOK/MATERIALS REQUIRED**  
**ZTC / OER**

**COURSE DESCRIPTION**

This cutting-edge course is designed to provide upper-level college students with an in-depth understanding of how new technologies are revolutionizing safety management in various industries. Through a combination of theoretical concepts, practical applications, case studies, and experiential learning, students will explore the latest tools and techniques being employed to ensure the utmost safety in today's fast-paced work environments.

**COURSE DELIVERY**

Face-to-Face lecture. Online instruction may be used as the need arises.

**COURSE OBJECTIVES:**

1. Familiarize students with emerging technologies in safety management and their potential applications in different industries.
2. Develop a comprehensive understanding of how new technologies can enhance hazard identification, risk assessment, incident prevention, and emergency response.
3. Explore the integration of artificial intelligence, machine learning, and Internet of Things (IoT) devices for real-time monitoring and analysis of workplace safety.
4. Analyze the impact of wearable technologies, such as smart personal protective equipment (PPE), on workplace safety and employee performance.
5. Examine the role of data analytics and predictive modeling in identifying trends, patterns, and potential safety risks.
6. Understand the legal, ethical, and privacy implications related to implementing and utilizing advanced safety management technologies.
7. Evaluate case studies and real-world examples to assess the effectiveness and limitations of different safety management technologies.

8. Develop critical thinking and problem-solving skills by identifying practical applications of new technologies in safety management.

9. Collaborate in group projects and presentations to propose innovative technological solutions to address specific safety challenges in industries such as construction, manufacturing, healthcare, or transportation.

### **COURSE TOPICS:**

1. Introduction to Advanced Safety Management Technologies
2. IoT and Sensor Technologies for Safety Monitoring
3. Artificial Intelligence and Machine Learning in Safety Management
4. Wearable Technologies for Personal Safety and Risk Mitigation
5. Predictive Analytics and Data-driven Safety Decision-making
6. Virtual and Augmented Reality for Hazard Simulation and Training
7. Robotics and Automation in Workplace Safety
8. Cybersecurity and Data Privacy in Safety Management Technologies
9. Industry-specific Applications and Case Studies
10. Ethical Considerations and Human Factors in Technology Integration for Safety Management
11. Implementing and Managing Safety Technology Initiatives
12. Future Trends and Challenges in Safety Management Technology

Through this course, students will gain a competitive edge in their careers by understanding how to effectively leverage new technologies to create safer work environments. By evaluating and applying the latest tools and techniques, they will be equipped to proactively address safety risks and challenges in the ever-evolving workplace.

### **GENERAL REQUIREMENTS**

Web-based communication: CANVAS course-management software may be used as a course management tool in this class. The Gorilla User System (GUS) is used by the university and faculty for various communication needs. Links to CANVAS and GUS are provided on the PSU home page ([www.pittstate.edu](http://www.pittstate.edu)). Each student is responsible for maintaining their current e-mail address in both CANVAS and GUS. Failure to receive necessary course information through these sources and e-mail is not an acceptable excuse for failure to complete and submit work in a timely manner.

The Department of CMCET is committed to a policy of educational equity. Accordingly, the Department supports University policies on 1) Equal Opportunity, 2) Racial Harassment, 3) Sexual Harassment, 4) Consenting Relationships, 5) Nondiscrimination, 6) Prevention of Alcohol Abuse & Drug Use on Campus & in the Workplace. Copies of these policies are available in the CMCET Departmental office (W223-KTC) or through Jamie Jones, Director of Equal Opportunity, Room 218 Russ Hall, 235-4189.

### **PSU SYLLABUS SUPPLEMENT (Spring 2023)**

The supplement is updated for each semester and includes information for students about campus resources, notifications, expectations, grades, etc. This supplement in its entirety can be found at: [https://www.pittstate.edu/faculty-staff/\\_files/documents/faculty-senate/documents/syllabus-supplement-spring-2023.pdf](https://www.pittstate.edu/faculty-staff/_files/documents/faculty-senate/documents/syllabus-supplement-spring-2023.pdf)

### **PARTICIPATION**

Classroom participation is very important. A participation rubric can be found on Canvas. You may positively affect your participation grade by:

- Becoming more active and/or making more effective comments that raise overall level of discussion and set examples for others.
- Asking thoughtful questions that will enhance discussion and engage peers.
- Listening carefully to, supporting, and engaging your peers in discussion.

You may negatively affect your participation grade by:

- Not attending class regularly, even though you meet attendance requirements or may have submitted assigned work, your contribution will not have added to class discussion.
- Disrupting others' opportunity to listen and/or participate.
- Making negative, offensive, and/or disrespectful comments during discussions that do not fit within the class context.
- Using electronic devices, such as, and not limited to a cell phone, iPod, or computer for personal or other coursework reasons during class unless instructed to do so. This can result in a non-attendance
- Sleeping in class can result in non-attendance to be determined by the instructor
- Positional reports submitted after the deadline date will receive a fifty percent reduction

## EVALUATION AND GRADING SCALE

### Grading Criteria:

Attendance	25%
Participation	25%
Written Reports	25%
Oral Reports	25%
Total	100%

### Grading Scale:

A = 90 - 100%
B = 80 - 89%
C = 70 - 79%
D = 60 - 69%
F = 59% or below

Academic dishonesty, which includes cheating and plagiarism will not be tolerated and can result in a final grade of F or dismissal from the class. This statement is consistent with university policy.

## ASSIGNMENTS AND EXAMINATIONS

Each report is to be written consistent with writing to learn standards. The report is to be constructed with an executive summary that provides an overview of the entire report. The executive summary is NOT considered as a paragraph it is simply an overview. The three-part report will consist of an introductory paragraph stating the position of the author and is to be written in a persuasive fashion outlining the research conducted. The second part is to include the research and states clearly the rationale for the position of the author. The final or third part is to provide a summation of the author's position from a personal perspective. The entire report is to be written consistent with rules of grammar. Students are encouraged to use the writing center or reviews by members of the same team illustrating an effort to construct a report that states the author's position using the three Cs clear, concise and correct. Evidence of either proofreading by the writing center or a peer review will be rewarded with additional points.

## ATTENDANCE POLICY

If absences are unavoidable, please contact the instructor before class to inform him you will not be attending classes. Attendance represents a major portion of the overall grade. Excessive absences (3 or more) may result in the student being dropped from the class.

## STUDENT ORGANIZATION INFORMATION

Students enrolled in this course are encouraged to join American Society of Safety Professionals (ASSP). Pittsburg State University participates in this national organization and holds regular meetings in room E119 of the Kansas Technology Center.

## **ACADEMIC INTEGRITY**

Education at the university level requires intellectual integrity and trust between faculty and students. Professors are obliged to master their subject and present as fair an account of it as possible. For their part, students are obliged to make an honest effort to fulfill both the letter and the spirit of course requirements. Academic dishonesty violates both integrity and trust. It jeopardizes the effectiveness of the educational process and the reliability of publicly reported records of achievement. Academic dishonesty by a student is defined as unethical activity associated with course work or grades. A complete copy of the academic honesty and integrity policy may be found at: [www.pittstate.edu/audiences/current-students/policies/rights-and-responsibilities/academic-misconduct.dot](http://www.pittstate.edu/audiences/current-students/policies/rights-and-responsibilities/academic-misconduct.dot)

## **PROFESSIONALISM**

The key to success in any class is a commitment to a timely performance on all assignments. The instructor's intent is to reward successful, professional and innovative performance with a letter grade of "A". It is critical to understand that substandard performance is not acceptable on any type of project. Assignments and test dates are listed in this syllabus or will be announced in class. It is the student's responsibility to complete all work within the required timeframe.

**Plagiarism is never acceptable and if it is determined that an assignment was "cut and pasted" or a major portion of an assignment is simply plagiarized, the student will receive an F for the assignment and no alternative assignment will be offered. Unsatisfactory initial performance will not be rewarded; this includes work turned in after the posted timeframe.**

## **LATE WORK**

Students are expected to complete all work within established timeframes and due dates. If students are unable to turn their report in on time it can be used in the debate yet the total grade for the report will receive a fifty percent reduction when graded by the instructor.

## **SPECIAL INSTRUCTIONS:**

- A. Special Concerns: Any student who, because of a disabling condition, may require some special arrangements in order to meet course requirements should contact the instructor soon as possible to make necessary accommodations.
- B. Directions and instructions other than those listed in this course outline will be given as necessary.
- C. Hats and caps are not to be worn in the classroom.
- D. The use of tobacco products is not permitted in the Kansas Technology Center.
- E. The consumption of food and drink should be kept to a minimum. Abuse of this privilege will result in it being taken away. Throw away all trash and clean area before leaving the classroom.
- F. The PSU School of Construction is committed to a policy of educational equity. Accordingly, the School is committed to the support of all University policies on 1) Equal Opportunity Policy; 2) Racial Harassment Policy, 3) Sexual Harassment Policy, 4) Consenting Relationships Policy, 5) Nondiscrimination Policy, 6) Policy on Prevention of Alcohol Abuse & Drug Use on Campus & in the Workplace. Copies of these policies are available in the school of Construction office (KTC-W223) or through the Director of Equal Opportunity, Russ Hall, Room 218 or by calling 620-235-4189.
- G. Each student is expected to do his/her own work on all exams, homework, projects, quizzes, etc. Copying or other forms of cheating will result in a score of zero (0) for that activity. Offenders will be dropped from the class roster. A grade of "F" due to cheating is recorded on a student's transcript as an "XF" and is not removed from the transcript when the course is repeated for a higher grade.

## **GENERAL SAFETY RULES:**

- A. Accept the "zero accident" philosophy.

- B. Approved hardhats and safety glasses are to be worn at all times when working in the construction jobsite work area. Hardhats and safety glasses are available in the Keller lab.
- C. All clothing worn for field work must be in accordance with general work and safety practices. Do not wear clothing that could get caught in machinery or otherwise cause an accident (such as dragging or baggy trousers, torn or loose long sleeves, loose neck jewelry and rings). Shirts with sleeves are to be worn at all times and must cover the shoulders and torso. Tank tops and football type net shirts are not acceptable. Pants must be full length (no cut-offs or shorts). Shoes or boots must be of sturdy leather, thick-soled and cover the ankle. Dress shoes, athletic shoes or sandals are not acceptable.
- D. Use tools, equipment, and personal protective equipment the way they were designed.
- E. Inspect tools and equipment prior to use. Do not use damaged or unsafe tools and equipment. Damaged tools and equipment shall be removed from service until fully repaired or replaced.
- F. Only perform tasks for which you have been trained.
- G. Correct or report all unsafe conditions immediately to a course instructor.
- H. Everyone has the right to refuse to perform work which is believed to be unsafe. Explain your concerns to a course instructor.
- I. Good housekeeping requires the attention and cooperation of all involved. Pick up tools, store materials properly, and pick up trash daily.
- J. Safety is everybody's business. Suggestions are welcomed and shall be directed to the course instructor.

## Faculty Senate Curriculum Change Form

Effective Date: FALL 2024

Submission Date: 11/1/23

Department: School of Construction

College: Technology

Contact Person: Denise Bertoncino

Faculty

### Revision Major

If Emphasis, enter name of the Major: Bachelor of Science Degree with a Major in Interior Design

***If selection is "Deletion" complete questions 2, 3, 4, & 5, then complete signatures.***

Originating Department(s): After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation", to allow for review and questions. Any modifications should be saved as "original file name.v2.docx" and uploaded as well.

Following final College Curriculum Committee approval, Please apply the appropriate signatures, and send to your College Admin.

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.

1. Description of Change:  
Modifying Major requirements to align better with intent of Program. Addition of art electives to facilitate student creativity toward their design projects. Addition of GC141 - Illustration Software and Removal of GC 221 - Web Graphics Design based on industry feedback.
2. Rationale for change, including changes to curriculum objectives:  
We have submitted this to reflect Interior Design Leadership Council and Industry feedback. The program has become so Technology Oriented to meet industry standards that we believe students creativity is disappearing. The addition of GC141 - Illustration Software is being done as it better fits our program and the Removal of GC 221 - Web Graphics Design
3. Will this change affect any education majors? No  
***If "yes," this request will need to have the approval of the Council for Teacher Education.***
4. Is this **Revision** related to, and/or may affect, any other department/college/unit curricula or programs at PSU? ***Whether a "yes" or "no" response, please provide an explanation or documentation of any discussions (e.g. copies of emails, memos, etc.) that have occurred.***  
Yes. It will impact the Graphic Design program by the number of students that enroll in the courses which will alter their numbers for the course. The Graphic Design program currently has no problem accommodating the IND student numbers. It will also impact the Art department attached is documentation of the feasibility.
5. Is this **Revision** related to, and/or affect, any degree program or minor/emphasis/certificate at any other Regent university? ***Whether a "yes" or "no" response, please provide an explanation.***  
No. The changes will have no affect on any other regent University.

6. Does the revision meet University catalog definitions for majors, minors, emphases and certificates as appropriate? **Yes**
7. Are additional resources required (e.g. library/multimedia resources, technology, space, major expense, etc.)?  
No
8. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)? **No**  
*If “yes,” complete the course fee form on the Provost’s website, it will need to gain approval of the President’s Council.*
9. What additional costs will be required for revising this curriculum (e.g. staffing, equipment, etc.)?  
None
10. Describe the program assessment plan (for **new** programs only):
  - a. Enrollment targets =
  - b. Outcome expected and process to evaluate =
  
  - c. Plan to abandon if enrollment targets not met =

**Questions for certificate only: If you have questions concerning these questions, contact the Financial Aid Office, 4240. If “yes,” to both questions, it is the department’s responsibility to send a copy of this legislation form to the Director of Admission and Financial Assistance to initiate Department of Education approval.**

1. Are students pursuing only this certificate eligible for federal financial assistance based on federal guidelines? **Select One**
2. Does the course content contained within this certificate provide relevance to employment opportunities or meet professional objectives for the student? **Select One**



## CURRICULUM REVISIONS

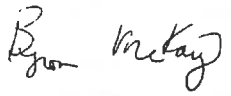
	Existing	Proposed
<b>Title:</b>	BS Degree with a Major in Interior Design	BS Degree with a Major in Interior Design
<b>Curriculum:</b> (Do not include GenEd)	<p>Core Requirements (54 hours)</p> <ul style="list-style-type: none"> <li>__ IND-110 Interior Design Fundamentals (3 hours)</li> <li>__ IND-120 Interior Design Studio Fundamentals (3 hours)</li> <li>__ IND-210 Software Application for Interior Design (3 hours)</li> <li>__ IND-312 History of Design I (3 hours)</li> <li>__ IND-313 History of Design II (3 hours)</li> <li>__ IND-315 Interior Design: Studio I (3 hours)</li> <li>__ IND-316 Space Planning and Programming (3 hours)</li> <li>__ IND-320 Detailing and Working Drawings (3 hours)</li> <li>__ IND-323 Interior Design Materials and Resources (3 hours)</li> <li>__ IND-324 Applied Color and Lighting Design (3 hours)</li> <li>__ IND-325 Interior Design: Studio II (3 hours)</li> <li>__ IND-356 Textiles (3 hours)</li> <li>__ IND-411 Professional Practice for Interior Design (3 hours)</li> <li>__ IND-420 Interior Design: Studio III (3 hours)</li> <li>__ IND-422 Interior Design: Studio IV (3 hours)</li> <li>__ IND-425 Green Building Principles and Practices (2 hours)</li> <li>__ IND-570 Professional Internship Preparation (2 hours)</li> <li>__ IND-571 Professional Internship (1 hour)</li> <li>__ IND-572 Interior Design Portfolio Prep and Senior Exhibit (1 hour)</li> <li>__ EST-621 Ergonomics/Human Factors (3 hours)</li> </ul> <p>Construction Support Courses (17 hours) See notes *1</p> <ul style="list-style-type: none"> <li>__ CMCET-133 Construction Graphics (3 hours)</li> <li>__ CMCET-235 Methods of Construction-Light Frame and Finishes (2 hours)</li> <li>__ CMCET-318 Fundamental MEP Systems (3 hours)</li> <li>__ CMCET-332 Residential Design (3 hours)</li> <li>__ CMCET-340 Building Information Modeling (BIM) (3 hours)</li> <li>__ CMCET-401 Investigations in Technology ( ) (1-4 hours)</li> </ul> <p>Note: Requires 3 hours. Notes *1: A grade of C or better is required in all major requirements and their prerequisites.</p> <p>Graphic Design Support Courses (9 hours) See notes *2</p> <ul style="list-style-type: none"> <li>__ GIT-142 Raster Graphics Software (3 hours)</li> <li>__ GIT-221 Web User Experience (3 hours)</li> <li>__ GIT-240 Page Layout Software (3 hours)</li> </ul> <p>Notes *2: A grade of C or better is required in all major requirements and their prerequisites.</p>	<p>Core Requirements (54 hours)</p> <ul style="list-style-type: none"> <li>__ IND-110 Interior Design Fundamentals (3 hours)</li> <li>__ IND-120 Interior Design Studio Fundamentals (3 hours)</li> <li>__ IND-210 Software Application for Interior Design (3 hours)</li> <li>__ IND-312 History of Design I (3 hours)</li> <li>__ IND-313 History of Design II (3 hours)</li> <li>__ IND-315 Interior Design: Studio I (3 hours)</li> <li>__ IND-316 Space Planning and Programming (3 hours)</li> <li>__ IND-320 Detailing and Working Drawings (3 hours)</li> <li>__ IND-323 Interior Design Materials and Resources (3 hours)</li> <li>__ IND-324 Applied Color and Lighting Design (3 hours)</li> <li>__ IND-325 Interior Design: Studio II (3 hours)</li> <li>__ IND-356 Textiles (3 hours)</li> <li>__ IND-411 Professional Practice for Interior Design (3 hours)</li> <li>__ IND-420 Interior Design: Studio III (3 hours)</li> <li>__ IND-422 Interior Design: Studio IV (3 hours)</li> <li>__ IND-425 Green Building Principles and Practices (2 hours)</li> <li>__ IND-570 Professional Internship Preparation (2 hours)</li> <li>__ IND-571 Professional Internship (1 hour)</li> <li>__ IND-572 Interior Design Portfolio Prep and Senior Exhibit (1 hour)</li> <li>__ EST-621 Ergonomics/Human Factors (3 hours)</li> </ul> <p>Construction Support Courses (17 hours) See notes *1</p> <ul style="list-style-type: none"> <li>__ CMCET-133 Construction Graphics (3 hours)</li> <li>__ CMCET-235 Methods of Construction-Light Frame and Finishes (2 hours)</li> <li>__ CMCET-318 Fundamental MEP Systems (3 hours)</li> <li>__ CMCET-332 Residential Design (3 hours)</li> <li>__ CMCET-340 Building Information Modeling (BIM) (3 hours)</li> <li>__ CMCET-401 Investigations in Technology ( ) (1-4 hours)</li> </ul> <p>Note: Requires 3 hours. Notes *1: A grade of C or better is required in all major requirements and their prerequisites.</p> <p>Graphic Design Support Courses (9 hours) See notes *2</p> <ul style="list-style-type: none"> <li>__ GC-141 Illustration Software (3 hours)</li> <li>__ GC-142 Raster Graphics Software (3 hours)</li> <li>__ GC-240 Page Layout Software (3 hours)</li> </ul> <p>Notes *2: A grade of C or better is required in all major requirements and their prerequisites.</p> <p>Art Support Courses (6 hours) Select 2 of the following courses:</p> <ul style="list-style-type: none"> <li>ART-100 Visual Thinking (2D) (3 hours)</li> <li>ART-200 Visual Thinking (3D) (3 hours)</li> <li>ART-210 Visual Thinking: Digital Process (3 hours)</li> <li>ART-233 Drawing 1 (3 hours)</li> <li>ART-341 Perspective Drawing (3 hours)</li> <li>ART-352 Color Systems, Theory, &amp; Application (3 hours)</li> </ul>

## Authorization/Notification Sign-Off Sheet

-Approved: Department Chairperson

Date: 11/9/23 Signature, Chairperson: 

-Approved: College Curriculum Committee

Date: 12/01/2023 Signature, Committee Chair: 

-Approved: Dean of College

Date: 12/05/2023 Signature, Dean: 

-Approved: Council for Teacher Education (if applicable)

Date: \_\_\_\_\_ Signature, Council Chair: \_\_\_\_\_

-Approved: University Undergraduate Curriculum Committee

Date: 01-19-2024 Signature, Committee Chair: 

-Approved: Faculty Senate

Date: \_\_\_\_\_ Signature, Recorder Faculty Senate: \_\_\_\_\_

Some MINORS will need KBOR Approval.

Following Faculty Senate Approval, SUBMIT SIGN-OFF SHEET AND FINAL COMPLETE PACKAGE, in electronic format, TO THE OFFICE OF THE PROVOST (220 RUSS HALL) FOR FORWARDING TO THE KANSAS BOARD OF REGENTS FOR BOARD APPROVAL. (MUST BE ENTERED INTO KBOR PI/CIP SYSTEM AT TIME OF SUBMISSION TO KBOR).

The Provost's Office will notify the department, college and Registrar of the completion of the approval process.

Please Note: This is a 3-month process, at least, and is designed to eliminate questions and concerns at the beginning of the process. Any questions/concerns not addressed prior to the College Curriculum Committee and the Faculty Senate University Undergraduate Curriculum Committee, may result in an additional month added to the process.

Pittsburg State University  
School of Construction  
Program Guide  
Interior Design

**MAJOR REQUIREMENTS\***

**Interior Design Courses (54 hours)**

IND 110 Interior Design Fundamentals	3__
IND 120 Interior Design Studio Fundamentals	3__
IND 210 Software Application for Int. Design	2__
IND 312 History of Design I	3__
IND 313 History of Design II	3__
IND 315 Interior Design: Studio I	3__
IND 316 Space Planning and Programming	3__
IND 320 Detailing and Working Drawings	3__
IND 323 Materials & Resources	3__
IND 324 Applied Color & Lighting Design	3__
IND 325 Interior Design: Studio II	3__
IND 411 Professional Practice	3__
IND 420 Interior Design: Studio III	3__
IND 422 Interior Design: Studio IV	3__
IND 425 Green Building Principles & Practices	2__
IND 570 Professional Internship Prep	2__
IND 571 Professional Internship	1__
IND 572 Portfolio Prep & Sr. Exhibit	2__
IND 356 Textiles	3__
EST 621 Ergonomics/Human Factors	3__

**Construction Emphasis (17)**

CMCET 133 Construction Graphics	3__
CMCET 235 Meth/Const. Light Frame/Finish	2__
CMCET 318 Fundamental MEP Systems	3__
CMCET 340 Building Information Modeling (BIM)	3__
CMCET 332 Residential Design	3__
CMCET 401 Investigations in Technology	3__

**Graphic Design Emphasis (9)**

GC 141 Illustration Software	3__
GC 142 Photo Editing Software – Photoshop	3__
GC 240 Page Layout Software – In design	3__

**Art Emphasis (6)**

Select from the following courses:

ART 100 Visual Thinking (2D)	3__
ART 200 Visual Thinking (3D)	3__
ART 210 Visual Thinking: Digital Process	3__
ART 233 Drawing I	3__
ART 352 Color Systems, Theory, & Application	3__
ART 341 Perspective Drawing	3__
(Prerequisite of ART 233 – take for Bucket #6)	

**GENERAL EDUCATION**

**34-35 HOURS**

**Bucket #1: English Discipline Area (6 hours)**

ENGL 101 English Composition	3__
ENGL 299 Intro. to Research Writing	3__

**Bucket #2: Communication Discipline Area (3 hours)**

COMM 207 Speech Communication	3__
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**Bucket #3: Math & Stats Discipline Area (3 hours)**

Any math course	3__
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**Bucket #4: Natural & Physical Disc. Area (4-5 hours)**

One subject – must include a lab	4-5__
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**Bucket #5: Social & Behavioral Sciences Discipline Area (6 hours)**

Two courses from two subject areas	6__
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**Bucket #6: Arts & Humanities Discipline Area (6 hours)**

Two courses from two subject areas	6__
------------------------------------	-----

**Bucket #7: Institutionally Designated Area (6 hours)**

Determined by the Institution	6__
(Will include UGS 150 Gorilla Gateway - 2)	
(Will include Wellness Strategies - 1)	

Interior Design Requirements	86__
General Education Requirements	34__

**TOTAL 120 hours**

**\*A grade of C or better is required in all major requirements/emphases and their prerequisites**

## Re: Support courses

James Oliver JR <joliver@pittstate.edu>

Fri 9/22/2023 3:17 PM

To: Denise Bertoncino <dbertoncino@pittstate.edu>

Denise,

This looks fine and the additional possible students are welcome in the Art courses. I would mention the following two things.

First, please be advised that ART 250 Color Theory is no longer offered although it could still be on the catalog. In its place we offer ART 352 Color Systems, Theory and Application. You probably want to include ART 352 rather than ART 250. ART 352 has no pre-requisite, although it would be beneficial to have some drawing or painting experience (the work tends to be completed in gouache).

Second, ART 210 in the near future could be replaced with a new upper-level version of the Visual Thinking: Digital Processes course. If you leave this on, we could handle that through substitution, as we have not yet legislated that.

Hope this helps,  
Jamie

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**From:** Denise Bertoncino <dbertoncino@pittstate.edu>

**Sent:** Friday, September 22, 2023 2:28 PM

**To:** James Oliver JR <joliver@pittstate.edu>

**Subject:** Support courses

Jamie,

I have attached a preliminary program guide based on changes that will be made with the new general education guidelines. From our conversation this summer, I have added a list of 6 Art courses that the interior design students can select from for the 6 hours of Art support courses that they will be required to complete. On this example program guide, they are listed as an emphasis because that is how we had construction and graphics listed. I will check into what the title should actually be and make corrections. Please let me know if you see any issues with the list. Several on the list are taught every semester, so students should be able to work them into their course sequence for interior design.

Thanks,  
Denise

Denise Bertoncino  
Program Coordinator  
Interior Design

## Faculty Senate Curriculum Change Form

Effective Date: FALL 2024



Submission Date: 11/2/2023

Department: School of Construction

College: Technology



Contact Person: Denise Bertoncino

Faculty



Revision



Minor



If Emphasis, enter name of the Major:

***If selection is "Deletion" complete questions 2, 3, 4, & 5, then complete signatures.***

Originating Department(s): After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation", to allow for review and questions. Any modifications should be saved as "original file name.v2.docx" and uploaded as well.

Following final College Curriculum Committee approval, Please apply the appropriate signatures, and send to your College Admin.

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.

1. Description of Change:

The interior design program would like to change the minor to reflect more options for students to choose from to focus their minor in relationship to their major and future goals in the professional field.

2. Rationale for change, including changes to curriculum objectives:

Making these changes/additions will not affect the curriculum objectives. It will open more opportunities for the students minor to fit with how they would like to apply it with their major upon graduation. An example would be if a student wanted to practice interior design merchandising upon graduation, it would be beneficial for them to select textiles and materials and resources over construction graphics.

3. Will this change affect any education majors? No



***If "yes," this request will need to have the approval of the Council for Teacher Education.***

4. Is this **Revision** related to, and/or may affect, any other department/college/unit curricula or programs at PSU? ***Whether a "yes" or "no" response, please provide an explanation or documentation of any discussions (e.g. copies of emails, memos, etc.) that have occurred.***

This will not affect any other areas or programs at PSU.

5. Is this **Revision** related to, and/or affect, any degree program or minor/emphasis/certificate at any other Regent university? ***Whether a "yes" or "no" response, please provide an explanation.***

No. This revision has no relationship to any other degree program.

6. Does the revision meet University catalog definitions for majors, minors, emphases and certificates as appropriate? Yes
7. Are additional resources required (e.g. library/multimedia resources, technology, space, major expense, etc.)?  
No
8. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)? **No**   
*If "yes," complete the course fee form on the Provost's website, it will need to gain approval of the President's Council.*
9. What additional costs will be required for revising this curriculum (e.g. staffing, equipment, etc.)?  
There are no costs.
10. Describe the program assessment plan (for new programs only):
  - a. Enrollment targets =
  - b. Outcome expected and process to evaluate =
  - c. Plan to abandon if enrollment targets not met =

**Questions for certificate only: If you have questions concerning these questions, contact the Financial Aid Office, 4240. If "yes," to both questions, it is the department's responsibility to send a copy of this legislation form to the Director of Admission and Financial Assistance to initiate Department of Education approval.**

1. Are students pursuing only this certificate eligible for federal financial assistance based on federal guidelines? **Select One**
2. Does the course content contained within this certificate provide relevance to employment opportunities or meet professional objectives for the student? **Select One**

**CURRICULUM REVISIONS**

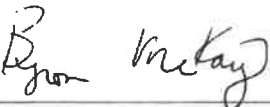
	Existing	Proposed
<b>Title:</b>	<b>Interior Design Minor</b>	
<b>Curriculum:</b> (Do not include GenEd)	<p>Total - 21 hours for Minor in Interior Design</p> <p>IND-110 Interior Design Fundamentals (3 hours)</p> <p>IND-120 Interior Design Studio Fundamentals (3 hours)</p> <p>IND-312 History of Design I (3 hours) or</p> <p>IND-313 History of Design II (3 hours)</p> <p>IND-315 Interior Design: Studio I (3 hours)</p> <p>IND-323 Interior Design Materials and Resources (3 hours)</p> <p>IND-356 Textiles (3 hours)</p> <p>CMCET-133 Construction Graphics (3 hours)</p>	<p>Total - 21 hours for Minor in Interior Design</p> <p>Required courses:</p> <p>IND 110 Interior Design Fundamentals (3 hours)</p> <p>IND 120 Interior Design Studio Fundamentals (3 hours) (Prerequisite of CMCET 133 waived for the minor)</p> <p>IND 312 History of Design I (3 hours) or</p> <p>IND 313 History of Design II (3 hours)</p> <p>12 hours to be selected from the list below:</p> <p>IND 312 History of Design I (3 hours) or</p> <p>IND 313 History of Design II (3 hours) (dependent on the course taken above to meet the requirement)</p> <p>IND 315 Interior Design: Studio I (3 hours)</p> <p>IND 316 Space Planning &amp; Programming (3 hours)</p> <p>IND 323 Interior Design Materials and Resources (3 hours)</p> <p>IND 356 Textiles (3 hours)</p> <p>IND 411 Professional Practice for Interior Design (3 hours)</p> <p>IND 425 Green Building Principles and Practices (3 hours)</p> <p>CMCET 133 Construction Graphics (3 hours)</p> <p>CMCET 332 Residential Design (3 hours)</p>

## Authorization/Notification Sign-Off Sheet

-Approved: Department Chairperson

Date: 11/9/23 Signature, Chairperson: 

-Approved: College Curriculum Committee

Date: 12/01/2023 Signature, Committee Chair: 

-Approved: Dean of College

Date: 12/05/2023 Signature, Dean: 

-Approved: Council for Teacher Education (if applicable)

Date: \_\_\_\_\_ Signature, Council Chair: \_\_\_\_\_

-Approved: University Undergraduate Curriculum Committee

Date: 01-19-2024 Signature, Committee Chair: 

-Approved: Faculty Senate

Date: \_\_\_\_\_ Signature, Recorder Faculty Senate: \_\_\_\_\_

Originating Department(s): After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation", to allow for review and questions. Any modifications should be saved as "original file name.v2.docx" and uploaded as well.



## Faculty Senate Curriculum Change Form

Effective Date: FALL 2024

Submission Date: 11/10/23

Department: School of Construction

College: Technology

Contact Person: Christopher Pross

Faculty

### Revision Major

If Emphasis, enter name of the Major:

***If selection is "Deletion" complete questions 2, 3, 4, & 5, then complete signatures.***

Originating Department(s): After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation", to allow for review and questions. Any modifications should be saved as "original file name.v2.docx" and uploaded as well.

Following final College Curriculum Committee approval, Please apply the appropriate signatures, and send to your College Admin.

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.

1. Description of Change:  
Modifying major to include the new changes with KBOR General Education requirements.  
Adding 2 credit hours to the Core Technical Specialties to balance to 120 credits.
  
2. Rationale for change, including changes to curriculum objectives:  
Modifying major to include the new changes with KBOR General education requirements and core align better with industry needs and academic schedules.
  
3. Will this change affect any education majors? No  
***If "yes," this request will need to have the approval of the Council for Teacher Education.***
  
4. Is this **Revision** related to, and/or may affect, any other department/college/unit curricula or programs at PSU? ***Whether a "yes" or "no" response, please provide an explanation or documentation of any discussions (e.g. copies of emails, memos, etc.) that have occurred.***  
  
No
  
5. Is this **Revision** related to, and/or affect, any degree program or minor/emphasis/certificate at any other Regent university? ***Whether a "yes" or "no" response, please provide an explanation.***  
  
No

6. Does the revision meet University catalog definitions for majors, minors, emphases and certificates as appropriate? **Yes**
7. Are additional resources required (e.g. library/multimedia resources, technology, space, major expense, etc.)?  
No
8. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)? **No**  
*If "yes," complete the course fee form on the Provost's website, it will need to gain approval of the President's Council.*
9. What additional costs will be required for revising this curriculum (e.g. staffing, equipment, etc.)?  
All classes are already in the curriculum so no additional resources are needed.
10. Describe the program assessment plan (for **new** programs only):
  - a. Enrollment targets =
  - b. Outcome expected and process to evaluate =
  
  - c. Plan to abandon if enrollment targets not met =

**Questions for certificate only: If you have questions concerning these questions, contact the Financial Aid Office, 4240. If "yes," to both questions, it is the department's responsibility to send a copy of this legislation form to the Director of Admission and Financial Assistance to initiate Department of Education approval.**

1. Are students pursuing only this certificate eligible for federal financial assistance based on federal guidelines? **No**
2. Does the course content contained within this certificate provide relevance to employment opportunities or meet professional objectives for the student? **No**

## CURRICULUM REVISIONS

	Existing	Proposed
<b>Title:</b>	BS Construction Engineering Technology	BS Construction Engineering Technology
<b>Curriculum: (Do not include GenEd)</b>	<p>Core</p> <p>Technical Specialties (63 hours) See Notes*1</p> <p>__ CMCET-133 Construction Graphics (3 hours) __ CMCET-234 The Construction Industry (3 hours) __ CMCET-235 Methods of Construction-Light Frame and Finishes (2 hours) __ CMCET-330 Mechanical Systems (HVAC) (3 hours) __ CMCET-331 Electrical Systems (3 hours) __ CMCET-334 Methods of Construction-Sitework and Steel (3 hours) __ CMCET-335 Methods of Construction-Concrete and Masonry (3 hours) __ CMCET-337 Construction Materials Testing and Inspection (2 hours) __ CMCET-350 Mechanical Systems (Plumbing) (2 hours) __ CMCET-431 Construction Structural Loads and Strength of Materials (2 hours) __ CMCET-434 Civil Construction (3 hours) __ CMCET-530 Construction Cost Management (3 hours) __ CMCET-536 Temporary Structures (2 hours) __ CMCET-537 Construction Surveying I (3 hours) __ CMCET-631 Construction Estimating I (3 hours) __ CMCET-632 Steel Structures (3 hours) __ CMCET-633 Concrete Structures (3 hours) __ CMCET-634 Construction Management (3 hours) __ CMCET-635 Contract Administration (3 hours) __ CMCET-637 Construction Surveying II (3 hours) __ CMCET-638 Foundation and Soil Mechanics (3 hours) __ CMCET-639 Construction Estimating II (2 hours) __ CMCET-691 Senior Project (3 hours)</p> <p>Notes *1: A grade of "C" or better is required for credit toward graduation and to satisfy pre-requisite requirements in all CMCET courses, MATH 122 Plane Trigonometry (or equivalent).</p>	<p>Core</p> <p>Technical Specialties (65 hours) See Notes*1</p> <p>__ CMCET-133 Construction Graphics (3 hours) __ CMCET-234 The Construction Industry (3 hours) __ CMCET-235 Methods of Construction-Light Frame and Finishes (2 hours) __ CMCET-330 Mechanical Systems (HVAC) (3 hours) __ CMCET-331 Electrical Systems (3 hours) __ CMCET-334 Methods of Construction-Sitework and Steel (3 hours) __ CMCET-335 Methods of Construction-Concrete and Masonry (3 hours) __ CMCET-337 Construction Materials Testing and Inspection (2 hours) __ CMCET-350 Mechanical Systems (Plumbing) (2 hours) __ CMCET-431 Construction Structural Loads and Strength of Materials (2 hours) __ CMCET-434 Civil Construction (3 hours) __ CMCET-530 Construction Cost Management (3 hours) __ CMCET-536 Temporary Structures (2 hours) __ CMCET-537 Construction Surveying I (3 hours) __ CMCET-631 Construction Estimating I (3 hours) __ CMCET-632 Steel Structures (3 hours) __ CMCET-633 Concrete Structures (3 hours) __ CMCET-634 Construction Management (3 hours) __ CMCET-635 Contract Administration (3 hours) __ CMCET-637 Construction Surveying II (3 hours) __ CMCET-638 Foundation and Soil Mechanics (3 hours) __ CMCET-639 Construction Estimating II (3 hours) __ CMCET-691 Senior Project (4 hours)</p> <p>Notes *1: A grade of "C" or better is required for credit toward graduation and to satisfy pre-requisite requirements in all CMCET courses, MATH 122 Plane Trigonometry (or equivalent).</p>

### CURRICULUM REVISIONS

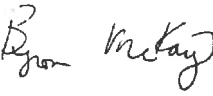
	Existing	Proposed
<b>Title:</b>	<b>BS Construction Engineering Technology</b>	<b>BS Construction Engineering Technology</b>
<b>Curriculum: (Do not include GenEd)</b>	<p><b>Support Courses (15 hours)</b></p> <p>See Notes*2</p> <p>__ MATH-122 Plane Trigonometry (3 hours)</p> <p>__ MATH-143 Elementary Statistics (3 hours)</p> <p>__ MATH-150 Calculus I (5 hours)</p> <p>__ PHYS-220 Engineering Mechanics I - Statics (3 hours)</p> <p>or __ MECET-220 Statics (3 hours)</p> <p>__ EST-296 Introduction to Construction Safety (3 hours)</p> <p>__ CMCET-200 Construction Internship/Cooperative Education (1-6 hours)</p> <p>or __ CMCET-300 Construction Internship/Cooperative Education (1-6 hours)</p> <p>or __ CMCET-400 Construction Internship/Cooperative Education (1-6 hours)</p> <p>Notes *2: CMCET 200, 300 or 400 should be taken for at least 1 hour. Mathematics classes below MATH 122 Plane Trigonometry do not count towards degree requirements. Total hours for Bachelor of Science Degree with a Major in Construction Engineering Technology (120 hours).</p>	<p><b>Support Courses (21 hours)</b></p> <p>See Notes*2</p> <p>__ MATH-122 Plane Trigonometry (3 hours)</p> <p>__ MATH-143 Elementary Statistics (3 hours)</p> <p>__ MATH-150 Calculus I (5 hours)</p> <p>__ PHYS-100 College Physics I (4 hours) and __ PHYS-130 Elementary Physics Lab I (1 hours)</p> <p>__ CMCET 333 – Construction Statics and Structures (3 hours)</p> <p>or __ PHYS-220 Engineering Mechanics I - Statics (3 hours)</p> <p>or __ MECET-220 Statics (3 hours)</p> <p>__ EST-296 Introduction to Construction Safety (3 hours)</p> <p>__ CMCET-200 Construction Internship/Cooperative Education (1-6 hours)</p> <p>or __ CMCET-300 Construction Internship/Cooperative Education (1-6 hours)</p> <p>or __ CMCET-400 Construction Internship/Cooperative Education (1-6 hours)</p> <p>__ CMCET 401 Investigations In Technology (1 hours)</p> <p>Or Department Approved Elective</p> <p>Notes *2: CMCET 200, 300 or 400 should be taken for at least 1 hour. Mathematics classes below MATH 122 Plane Trigonometry do not count towards degree requirements. Total hours for Bachelor of Science Degree with a Major in Construction Engineering Technology (120 hours).</p>

## Authorization/Notification Sign-Off Sheet

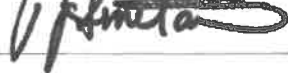
-Approved: Department Chairperson

Date: 11/19/23 Signature, Chairperson: 

-Approved: College Curriculum Committee

Date: 12/01/2023 Signature, Committee Chair: 

-Approved: Dean of College

Date: 12/05/2023 Signature, Dean: 

-Approved: Council for Teacher Education (if applicable)

Date: \_\_\_\_\_ Signature, Council Chair: \_\_\_\_\_

-Approved: University Undergraduate Curriculum Committee

Date: 01-19-2024 Signature, Committee Chair: 

-Approved: Faculty Senate

Date: \_\_\_\_\_ Signature, Recorder Faculty Senate: \_\_\_\_\_

Originating Departments(s): After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation", to allow for review and questions. Any modifications should be saved as "original file name.v2.docx" and uploaded as well.

## Faculty Senate Curriculum Change Form

Effective Date: FALL 2024

Submission Date: 11/10/23

Department: School of Construction

College: Technology

Contact Person: Shannon Nicklaus

Faculty

### Revision Major

If Emphasis, enter name of the Major: Major as well as all emphasis within the degree options

***If selection is "Deletion" complete questions 2, 3, 4, & 5, then complete signatures.***

Originating Department(s): After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation", to allow for review and questions. Any modifications should be saved as "original file name.v2.docx" and uploaded as well.

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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.

1. Description of Change:  
Modifying major to include the new changes with KBOR General Education requirements. Adding 1 emphasis area and modifying all other emphasis areas to align more with industry needs and assist in adjusting course loads allowing higher enrollment in individual CMCET courses. Adding 6 hours of construction electives so students can tailor degree with
2. Rationale for change, including changes to curriculum objectives:  
Modifying major to include the new changes with KBOR General Education requirements and making emphasis's align better with industry needs and academic schedules.
3. Will this change affect any education majors? No  
*If "yes," this request will need to have the approval of the Council for Teacher Education.*
4. Is this **Revision** related to, and/or may affect, any other department/college/unit curricula or programs at PSU? *Whether a "yes" or "no" response, please provide an explanation or documentation of any discussions (e.g. copies of emails, memos, etc.) that have occurred.*  
No
5. Is this **Revision** related to, and/or affect, any degree program or minor/emphasis/certificate at any other Regent university? *Whether a "yes" or "no" response, please provide an explanation.*  
No

6. Does the revision meet University catalog definitions for majors, minors, emphases and certificates as appropriate? **Yes**
7. Are additional resources required (e.g. library/multimedia resources, technology, space, major expense, etc.)?  
No
8. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)? **Select One**  
*If “yes,” complete the course fee form on the Provost’s website, it will need to gain approval of the President’s Council.*
9. What additional costs will be required for revising this curriculum (e.g. staffing, equipment, etc.)?  
None
10. Describe the program assessment plan (for **new** programs only):
  - a. Enrollment targets =
  - b. Outcome expected and process to evaluate =
  
  - c. Plan to abandon if enrollment targets not met =

**Questions for certificate only: If you have questions concerning these questions, contact the Financial Aid Office, 4240. If “yes,” to both questions, it is the department’s responsibility to send a copy of this legislation form to the Director of Admission and Financial Assistance to initiate Department of Education approval.**

1. Are students pursuing only this certificate eligible for federal financial assistance based on federal guidelines? **No**
2. Does the course content contained within this certificate provide relevance to employment opportunities or meet professional objectives for the student? **No**

**CURRICULUM REVISIONS**

	Existing	Proposed
Title:	BST Construction Management	BST Construction Management
Curriculum: (Do not include GenEd)	<p>Core            Technical Specialties (53 hours)            See notes *1            CMCET-133 Construction Graphics (3 hours)            CMCET-234 The Construction Industry (3 hours)            CMCET-235 Methods of Construction-Light Frame and Finishes (2hours)            CMCET-330 Mechanical Systems (HVAC) (3 hours)            CMCET-331 Electrical Systems (3 hours)            CMCET-333 Construction Statics &amp; Structures (3 hours)            CMCET-334 Methods of Construction-Sitework and Steel (3 hours)            CMCET-335 Methods of Construction-Concrete and Masonry            CMCET-337 Construction Materials Testing and Inspection            CMCET-350 Mechanical Systems (Plumbing) (2 hours)            CMCET-410 Technical Construction Spanish for the Jobsite Supervisor (3 hours)            CMCET-434 Civil Construction (3 hours)            CMCET-530 Construction Cost Management (3 hours)            CMCET-537 Construction Surveying I (3 hours)            CMCET-631 Construction Estimating I (3 hours)            CMCET-634 Construction Management (3 hours)            CMCET-635 Contract Administration (3 hours)            CMCET-639 Construction Estimating II (2 hours)            CMCET-691 Senior Project (3 hours)            Notes *1: A grade of "C" or better is required for credit toward graduation and to satisfy pre-requisite requirements in all CMCET courses, MATH 113 College Algebra (or equivalent), MATH 122 Plane Trigonometry (or equivalent).</p>	<p>Core            Technical Specialties(55 hours)            CMCET-133 Construction Graphics (3 hours)            CMCET -234 The Construction Industry (3 hours)            CMCET-235 Methods of Construction Light Frame-Finishes (2 hours)            CMCET-330 Mechanical Systems (HVAC) (3 hours)            CMCET- 331 Electrical Systems (3 hours)            CMCET- 333 Theory of Structures ( 3 hours)            CMCET- 334 Methods of Construction -Sitework and Steel ( 3 hours)            CMCET-335 Methods of Construction- Concrete and Masonry ( 3 hours)            CMCET-337 Construction Materials Testing and Inspection ( 2 hours)            CMCET-350 Mechanical Systems (Plumbing)(2 hours)            CMCET-410 Technical Construction Spanish for the Jobsite Supervisor (3 hours)            CMCET-434 Civil Construction ( 3 hours)            CMCET-530 Construction Cost Management ( 3 hours)            CMCET-537 Construction Surveying I (3 hours)            CMCET- 631 Construction Estimating I (3 hours)            CMCET-634 Construction Management ( 3 hours)            CMCET-635 Contract Administration (3 hours)            CMCET-639 Construction Estimating II ( 3 hours)            CMCET-691 Senior Projects (4 hours)</p> <p>Notes *1: A grade of "C" or better is required for credit towards graduation and to satisfy pre-requisite requirements in all CMCET/ MFGET/EST courses, MATH 113 College Algebra (or equivalent), MATH 122 Plane Trigonometry (or equivalent).            Support Courses (19 hours)            See Notes*2            CMCET-200, 300 or 400 Construction Internship/Cooperative Education (1-6 hours)            MATH-122 Plane Trigonometry (3 hours) OR (MATH 113 College Algebra ( 3 hours) *General Education Requirement )            ENGL-301 Technical/Professional Writing ( 3 hours)            EST-296 Introduction to Construction Safety ( 3 hours)            EST-496 Construction Safety ( 2 hours) AND EST 497 Construction Safety Laboratory ( 1 hour)            (6) Hours of Construction electives (Refer to approved electives list)            Notes *2: Minimum of one hour of CMCET 200, 300 or 400 Required.</p>



**CURRICULUM REVISIONS**

	Existing	Proposed
Title:	BST Construction Management	BST Construction Management
<p>Curriculum: (Do not include GenEd)</p>	<p>(Continued) Support Courses (14 hours) See notes *2 CMCET-200 Construction Internship/Cooperative Education (1-6 hours) or CMCET-300 Construction Internship/Cooperative Education (1-6 hours) or CMCET-400 Construction Internship/Cooperative Education (1-6 hours) MATH-122 Plane Trigonometry (3 hours) ENGL-301 Technical/Professional Writing (3 hours) EST-296 Introduction to Construction Safety (3 hours) CMCET-401 Investigations in Technology ( ) (1-4 hours) or CMCET-795 Special Topics in CMCET ( ) (1-3 hours) EST-496 Construction Safety (2 hours) and EST-497 Construction Safety Laboratory (1 hour) Notes *2: Minimum of one hour of CMCET 200, 300, &amp; 400 required.</p> <p>Select one 12 hour Emphases from below: Building Information Modeling (BIM) Emphasis CMCET-340 Building Information Modeling (BIM) (3 hours) CMCET-640 BIM Management (3 hours) CMCET-650 Civil Virtual Design and Construction (3 hours) CMCET-795 Special Topics in CMCET ( ) (1-3 hours)</p> <p>Civil Construction Emphasis CMCET-637 Construction Surveying II (3 hours) CMCET-650 Civil Virtual Design and Construction (3 hours) CMCET-651 Heavy/Highway/Bridge Construction (3 hours) CMCET-652 Utility Construction (3 hours)</p>	<p>Select one 12 Hour Emphases from below:</p> <p>General Construction Emphasis 12 Hours from: CMCET-340 BIM/VDC ( 3 hours) CMCET-332 Residential Design &amp; Management ( 3 hours) CMCET-336 Residential Land Development ( 3 hours) CMCET-338 Construction Codes and Inspection ( 3 hours) CMCET-606 Construction Supervision and Leadership ( 3 hours) CMCET-637 Construction Surveying II (3 hours) CMCET-640 BIM/VDC Management CMCET-651 Civil Construction II (Highway/Bridge/Utility) (3 hours)</p> <p>Building Information Modeling (BIM) Emphasis CMCET-340 BIM/VDC ( 3 hours) CMCET-640 BIM/VDC Management CMCET-606 Construction Supervision and Leadership ( 3 hours) CMCET-795 Special Topics in CMCET – Laser Scanning or substitute ( 3 hours)</p> <p>Civil Construction Emphasis CMCET-340 BIM/VDC ( 3 hours) CMCET-637 Construction Surveying II (3 hours) CMCET-651 Civil Construction II (Highway/Bridge/Utility) (3 hours) CMCET-606 Construction Supervision and Leadership ( 3 hours)</p> <p>Business Management Emphasis ACCT-201 Financial Accounting ( 3 hours) MKTG-201 Fundamentals of Marketing ( 3 hours) MGT-201 Introduction to Management ( 3 hours) MGT-430 Legal and Social Environment of Business ( 3 hours)</p> <p>Field Management Emphasis MFGET-162 Welding Processes and Procedures (3 hours) CMCET-338 Construction Codes and Inspection ( 3 hours) CMCET 606 Construction Supervision and Leadership ( 3 hours) CMCET-637 Construction Surveying II ( 3 hours)</p>

### CURRICULUM REVISIONS

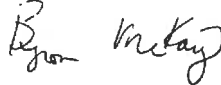
	Existing	Proposed
Title:	BST Construction Management	BST Construction Management
Curriculum: (Do not include GenEd)	<p>(Continued) Company Management Emphasis ACCTG-201 Financial Accounting (3 hours) MKTG-201 Fundamentals of Marketing (3 hours) MGT-201 Introduction to Management (3 hours) MGT-430 Legal and Social Environment of Business (3 hours)</p> <p>Field Management Emphasis MFGET-162 Welding Processes and Procedures (3 hours) TM-606 Industrial Supervision (3 hours) CMCET-637 Construction Surveying II (3 hours) Notes *3: Plus 3 hours of an approved Leadership course. LDSP-600 Foundations of Leadership (3 hours) TM-520 Leadership in the Workplace (3 hours) MIL-300 Advanced Military Science III (3 hours)</p> <p>Residential Construction Emphasis CMCET-332 Residential Design (3 hours) CMCET-336 Residential Land Development (3 hours) CMCET-338 Residential Codes/ Inspection (3 hours) CMCET-435 Residential Construction Methods and Management (3 hours) Safety Management Emphasis EST-512 Risk Assessment (3 hours) EST-630 Safety Management (3 hours) Select 6 hours from: EST-204 Introduction to Fire Safety (3 hours) EST-326 Basic Electrical Safety (3 hours) EST-514 Industrial Hygiene (3 hours) EST-516 Hazardous Materials (3 hours) EST-629 Legal Issues in Environmental Health and Safety (3 hours)</p>	<p>Residential Construction Emphasis CMCET-332 Residential Design &amp; Management ( 3 hours) CMCET-336 Residential Land Development ( 3 hours) CMCET-338 Construction Codes and Inspection ( 3 hours) CMCET 606 Construction Supervision and Leadership ( 3 hours)</p> <p>Safety Management Emphasis EST-512 Risk Assessment ( 3 hours) EST-630 Safety Management ( 3 hours)</p> <p>Select 6 hours from: EST-204 Introduction to Fire Safety ( 3 hours) EST-326 Basic Electrical Safety ( 3 hours) EST-514 Industrial Hygiene ( 3 hours) EST-516 Hazardous Materials ( 3 hours) EST-629 Legal Issues in Environmental Health and Safety ( 3 hours)</p> <p>Construction Electives 6 Hours from the following courses *Note 3 cannot be taken as an elective AND as part of emphasis CMCET-340 BIM/VDC ( 3 hours) CMCET-332 Residential Design &amp; Management ( 3 hours) CMCET-336 Residential Land Development ( 3 hours) CMCET-338 Construction Codes and Inspection ( 3 hours) CMCET-606 Construction Supervision and Leadership ( 3 hours) CMCET-632 Steel Structures ( 3 hours) CMCET-633 Concrete Structures ( 3 hours) CMCET-637 Construction Surveying II (3 hours) CMCET-638 Foundation &amp; Soil Mechanics ( 3 hours) CMCET-640 BIM/VDC Management CMCET-651 Civil Construction II (Highway/Bridge/Utility) (3 hours) CMCET-795 Special Topics in CMCET EST-512 Risk Assessment ( 3 hours) EST-630 Safety Management ( 3 hours) EST-204 Introduction to Fire Safety ( 3 hours) EST-326 Basic Electrical Safety ( 3 hours) EST-514 Industrial Hygiene ( 3 hours) EST-516 Hazardous Materials ( 3 hours) EST-629 Legal Issues in Environmental Health and Safety ( 3 hours) MFGET-162 Welding Processes and Procedures (3 hours) * Note 3 Construction Electives cannot be taken for credit in the Emphasis area and elective area.</p>

# Authorization/Notification Sign-Off Sheet


-Approved: Department Chairperson

Date: 11/9/23 Signature, Chairperson: 

-Approved: College Curriculum Committee

Date: 12/01/2023 Signature, Committee Chair: 

-Approved: Dean of College

Date: 12/05/2023 Signature, Dean: 

-Approved: Council for Teacher Education (if applicable)

Date: \_\_\_\_\_ Signature, Council Chair: \_\_\_\_\_

-Approved: University Undergraduate Curriculum Committee

Date: 01-19-2024 Signature, Committee Chair: 

-Approved: Faculty Senate

Date: \_\_\_\_\_ Signature, Recorder Faculty Senate: \_\_\_\_\_

Originating Department(s): After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation", to allow for review and questions. Any modifications should be saved as "original file name.v2.docx" and uploaded as well.

## Faculty Senate Curriculum Change Form

Effective Date: FALL 2024

Submission Date: 11/1/23

Department: School of Construction

College: Technology

Contact Person: Brian Welch

Faculty

### **Deletion                      Emphasis**

If Emphasis, enter name of the Major: Environmental and Safety Management

***If selection is "Deletion" complete questions 2, 3, 4, & 5, then complete signatures.***

Originating Department(s): After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation", to allow for review and questions. Any modifications should be saved as "original file name.v2.docx" and uploaded as well.

Following final College Curriculum Committee approval, Please apply the appropriate signatures, and send to your College Admin.

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.

1. Description of Change:

Dropping the Fire Safety emphasis from the Environmental and Safety Management degree.

2. Rationale for change, including changes to curriculum objectives:

This emphasis area has historically low to no enrollment. The original idea behind this emphasis was to support possible 2+2 with regional Junior Colleges with fire fighting programs. This can be accomplished with the current BAS in the College of Technology.

3. Will this change affect any education majors? No

***If "yes," this request will need to have the approval of the Council for Teacher Education.***

4. Is this **Deletion** related to, and/or may affect, any other department/college/unit curricula or programs at PSU? ***Whether a "yes" or "no" response, please provide an explanation or documentation of any discussions (e.g. copies of emails, memos, etc.) that have occurred.***

No, moving the emphasis courses to a support areas within the overall Environmental and Safety Management program.

5. Is this **Deletion** related to, and/or affect, any degree program or minor/emphasis/certificate at any other Regent university? ***Whether a "yes" or "no" response, please provide an explanation.***

No.

6. Does the revision meet University catalog definitions for majors, minors, emphases and certificates as appropriate? **Select One**
7. Are additional resources required (e.g. library/multimedia resources, technology, space, major expense, etc.)?
8. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)? **Select One**  
*If "yes," complete the course fee form on the Provost's website, it will need to gain approval of the President's Council.*
9. What additional costs will be required for revising this curriculum (e.g. staffing, equipment, etc.)?
  
10. Describe the program assessment plan (for **new** programs only):
  - a. Enrollment targets =
  - b. Outcome expected and process to evaluate =
  
  - c. Plan to abandon if enrollment targets not met =

**Questions for certificate only: If you have questions concerning these questions, contact the Financial Aid Office, 4240. If "yes," to both questions, it is the department's responsibility to send a copy of this legislation form to the Director of Admission and Financial Assistance to initiate Department of Education approval.**

1. Are students pursuing only this certificate eligible for federal financial assistance based on federal guidelines? **Select One**
2. Does the course content contained within this certificate provide relevance to employment opportunities or meet professional objectives for the student? **Select One**

**CURRICULUM REVISIONS**

	Existing	Proposed
Title:		
Curriculum: (Do not include GenEd)		

## Authorization/Notification Sign-Off Sheet

-Approved: Department Chairperson

Date: 11/1/23 Signature, Chairperson:  \_\_\_\_\_

-Approved: College Curriculum Committee

Date: 12/01/23 Signature, Committee Chair:  \_\_\_\_\_

-Approved: Dean of College

Date: 12/05/23 Signature, Dean:  \_\_\_\_\_

-Approved: Council for Teacher Education (if applicable)

Date: \_\_\_\_\_ Signature, Council Chair: \_\_\_\_\_

-Approved: University Undergraduate Curriculum Committee

Date: 01-19-2024 Signature, Committee Chair:  \_\_\_\_\_

-Approved: Faculty Senate

Date: \_\_\_\_\_ Signature, Recorder Faculty Senate: \_\_\_\_\_

Originating Department(s): After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation", to allow for review and questions. Any modifications should be saved as "original file name.v2.docx" and uploaded as well.

## Faculty Senate Curriculum Change Form

Effective Date: FALL 2024

Submission Date: 11/1/23

Department: School of Construction

College: Technology

Contact Person: Brian Welch

Faculty

### **Deletion                      Emphasis**

If Emphasis, enter name of the Major: Environmental and Safety Management

***If selection is "Deletion" complete questions 2, 3, 4, & 5, then complete signatures.***

Originating Department(s): After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation", to allow for review and questions. Any modifications should be saved as "original file name.v2.docx" and uploaded as well.

Following final College Curriculum Committee approval, Please apply the appropriate signatures, and send to your College Admin.

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.

1. Description of Change:

Dropping the Human Resources emphasis from the Environmental and Safety Management degree.

2. Rationale for change, including changes to curriculum objectives:

This emphasis area has historically low to no enrollment. The courses are being moved to other areas within the degree program.

3. Will this change affect any education majors? No

***If "yes," this request will need to have the approval of the Council for Teacher Education.***

4. Is this **Deletion** related to, and/or may affect, any other department/college/unit curricula or programs at PSU? ***Whether a "yes" or "no" response, please provide an explanation or documentation of any discussions (e.g. copies of emails, memos, etc.) that have occurred.***

No, moving the emphasis courses to a support area within the overall Environmental and Safety Management program.

5. Is this **Deletion** related to, and/or affect, any degree program or minor/emphasis/certificate at any other Regent university? ***Whether a "yes" or "no" response, please provide an explanation.***

No. All courses are held through Pittsburg State.



6. Does the revision meet University catalog definitions for majors, minors, emphases and certificates as appropriate? **Select One**
7. Are additional resources required (e.g. library/multimedia resources, technology, space, major expense, etc.)?
8. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)? **Select One**  
*If "yes," complete the course fee form on the Provost's website, it will need to gain approval of the President's Council.*
9. What additional costs will be required for revising this curriculum (e.g. staffing, equipment, etc.)?
10. Describe the program assessment plan (for **new** programs only):
  - a. Enrollment targets =
  - b. Outcome expected and process to evaluate =
  - c. Plan to abandon if enrollment targets not met =

**Questions for certificate only: If you have questions concerning these questions, contact the Financial Aid Office, 4240. If "yes," to both questions, it is the department's responsibility to send a copy of this legislation form to the Director of Admission and Financial Assistance to initiate Department of Education approval.**

1. Are students pursuing only this certificate eligible for federal financial assistance based on federal guidelines? **Select One**
2. Does the course content contained within this certificate provide relevance to employment opportunities or meet professional objectives for the student? **Select One**

**CURRICULUM REVISIONS**

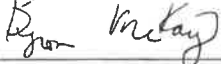
	Existing	Proposed
Title:		
Curriculum: (Do not include GenEd)		

## Authorization/Notification Sign-Off Sheet

-Approved: Department Chairperson

Date: 11/1/23 Signature, Chairperson:  \_\_\_\_\_

-Approved: College Curriculum Committee

Date: 12/01/23 Signature, Committee Chair:  \_\_\_\_\_

-Approved: Dean of College

Date: 12/05/23 Signature, Dean:  \_\_\_\_\_

-Approved: Council for Teacher Education (if applicable)

Date: \_\_\_\_\_ Signature, Council Chair: \_\_\_\_\_

-Approved: University Undergraduate Curriculum Committee

Date: 01-19-2024 Signature, Committee Chair:  \_\_\_\_\_

-Approved: Faculty Senate

Date: \_\_\_\_\_ Signature, Recorder Faculty Senate: \_\_\_\_\_

Originating Department(s): After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation", to allow for review and questions. Any modifications should be saved as "original file name.v2.docx" and uploaded as well.

## Faculty Senate Curriculum Change Form

Effective Date: FALL 2024

Submission Date: 11/16/23

Department: School of Construction

College: Technology

Contact Person: Brian Welch

Faculty

**Revision**            **Minor**

If Emphasis, enter name of the Major:

***If selection is "Deletion" complete questions 2, 3, 4, & 5, then complete signatures.***

Originating Department(s): After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation", to allow for review and questions. Any modifications should be saved as "original file name.v2.docx" and uploaded as well.

Following final College Curriculum Committee approval, Please apply the appropriate signatures, and send to your College Admin.

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.

1. Description of Change:

The Safety Management minor currently lists classes that are no longer offered. EST -604 Occupational Health and Safety is no longer offered. EST-603 Industrial Safety has been replaced/renumbered with EST-403 Industrial Safety.

2. Rationale for change, including changes to curriculum objectives:

To better facilitate the advisement process of student seeking the Safety Management Minor.

3. Will this change affect any education majors? No

***If "yes," this request will need to have the approval of the Council for Teacher Education.***

4. Is this **Revision** related to, and/or may affect, any other department/college/unit curricula or programs at PSU? ***Whether a "yes" or "no" response, please provide an explanation or documentation of any discussions (e.g. copies of emails, memos, etc.) that have occurred.***

Yes, The minor is available for any student to take.

5. Is this **Revision** related to, and/or affect, any degree program or minor/emphasis/certificate at any other Regent university? ***Whether a "yes" or "no" response, please provide an explanation.***

No

6. Does the revision meet University catalog definitions for majors, minors, emphases and certificates as appropriate? **Yes**
7. Are additional resources required (e.g. library/multimedia resources, technology, space, major expense, etc.)?  
No
8. Will any additional student fees be required (e.g. equipment, clothing, travel, licensing, etc.)? **No**  
*If "yes," complete the course fee form on the Provost's website, it will need to gain approval of the President's Council.*
9. What additional costs will be required for revising this curriculum (e.g. staffing, equipment, etc.)?  
No
10. Describe the program assessment plan (for new programs only):
  - a. Enrollment targets =
  - b. Outcome expected and process to evaluate =
  - c. Plan to abandon if enrollment targets not met =

**Questions for certificate only: If you have questions concerning these questions, contact the Financial Aid Office, 4240. If "yes," to both questions, it is the department's responsibility to send a copy of this legislation form to the Director of Admission and Financial Assistance to initiate Department of Education approval.**

1. Are students pursuing only this certificate eligible for federal financial assistance based on federal guidelines? **Select One**
2. Does the course content contained within this certificate provide relevance to employment opportunities or meet professional objectives for the student? **Select One**

**CURRICULUM REVISIONS**

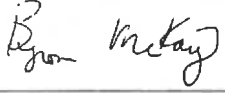
	Existing	Proposed
<b>Title:</b>	Safety, Health and Environmental Management Minor	Safety Management Minor
<b>Curriculum: (Do not include GenEd)</b>	<p>Select 15 hours from:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> EST-512 Risk Assessment (3 hrs)</li> <li><input type="checkbox"/> EST-514 Industrial Hygiene (3 hrs)</li> <li><input type="checkbox"/> EST-516 Hazardous Materials (3 hrs)</li> <li><input type="checkbox"/> EST-604 Occupational Health and Safety (3 hrs)</li> <li><input type="checkbox"/> EST-621 Ergonomics/Human Factors (3 hrs)</li> <li><input type="checkbox"/> EST-629 Legal Issues in Environmental Health and Safety (3 hrs)</li> <li><input type="checkbox"/> EST-630 Safety Management (3 hrs)</li> </ul> <p>Choose between General Industry or Construction Emphasis</p> <p>General Industry Emphasis</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> EST-293 Introduction to Industrial Safety (3 hrs)</li> <li><input type="checkbox"/> EST-603 Industrial Safety (3 hrs)</li> </ul> <p>Construction Emphasis</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> EST-296 Introduction to Construction Safety (3 hrs)</li> <li><input type="checkbox"/> EST-496 Construction Safety (2 hrs) and <input type="checkbox"/> EST-497 Construction Safety Laboratory (1 hr)</li> </ul>	<p>Select 15 hours from:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> EST-512 Risk Assessment (3 hrs)</li> <li><input type="checkbox"/> EST-514 Industrial Hygiene (3 hrs)</li> <li><input type="checkbox"/> EST-516 Hazardous Materials (3 hrs)</li> <li><input type="checkbox"/> EST-621 Ergonomics/Human Factors (3 hrs)</li> <li><input type="checkbox"/> EST-629 Legal Issues in Environmental Health and Safety (3 hrs)</li> <li><input type="checkbox"/> EST-630 Safety Management (3 hrs)</li> </ul> <p>Choose between General Industry or Construction Emphasis</p> <p>General Industry Emphasis</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> EST-293 Introduction to Industrial Safety (3 hrs)</li> <li><input type="checkbox"/> EST-403 Industrial Safety (3 hrs)</li> </ul> <p>Construction Emphasis</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> EST-296 Introduction to Construction Safety (3 hrs)</li> <li><input type="checkbox"/> EST-496 Construction Safety (2 hrs) and <input type="checkbox"/> EST-497 Construction Safety Laboratory (1 hr)</li> </ul>

## Authorization/Notification Sign-Off Sheet

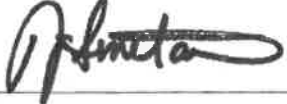
-Approved: Department Chairperson

Date: 11/16/23 Signature, Chairperson: 

-Approved: College Curriculum Committee

Date: 12/01/23 Signature, Committee Chair: 

-Approved: Dean of College

Date: 12/05/2023 Signature, Dean: 

-Approved: Council for Teacher Education (if applicable)

Date: \_\_\_\_\_ Signature, Council Chair: \_\_\_\_\_

-Approved: University Undergraduate Curriculum Committee

Date: 01-19-2024 Signature, Committee Chair: 

-Approved: Faculty Senate

Date: \_\_\_\_\_ Signature, Recorder Faculty Senate: \_\_\_\_\_

Originating Departments(s): After completing this form, in its entirety, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation", to allow for review and questions. Any modifications should be saved as "original file name.v2.docx" and uploaded as well.