New York City College of Technology, CUNY

CURRICULUM MODIFICATION PROPOSAL FORM

This form is used for all curriculum modification proposals. See the [Proposal Classification Chart](http://openlab.citytech.cuny.edu/collegecouncil/files/2014/08/2013-10-09-Proposal_Classification_Chart.pdf) for information about what types of modifications are major or minor. Completed proposals should be emailed to the Curriculum Committee chair.

|  |  |
| --- | --- |
| **Title of Proposal** | **CMCE 2020 Minor Curriculum Change** |
| **Date** | **10/20/20** |
| **Major or Minor** | **Minor** |
| **Proposer’s Name** | **Melanie Villatoro** |
| **Department** | **Construction Management and Civil Engineering Technology** |
| **Date of Departmental Meeting in which proposal was approved** | **10/14/20** |
| **Department Chair Name** | **Melanie Villatoro** |
| **Department Chair Signature and Date** |  |
| **Academic Dean Name** | **Gerarda Shields** |
| **Academic Dean Signature and Date** |  |
| **Brief Description of Proposal**  (Describe the modifications contained within this proposal in a succinct summary. More detailed content will be provided in the proposal body. | Modifications in this proposal includes:  -Updated Prerequisites  CMCE 2306  CMCE 2351L  -Updates Course Descriptions  CMCE 1215  CMCE 2456  CMCE 3520  -Updated DESCRIPTION and PREREQUISITES:  CMCE 1224 |
| **Brief Rationale for Proposal**  (Provide a concise summary of why this proposed change is important to the department. More detailed content will be provided in the proposal body). | Prerequisite updated are to ensure alignment of course topics.  Course description updates have been made to reflect the most up to date industry standards. |
| **Proposal History**  (Please provide history of this proposal: is this a resubmission? An updated version? This may most easily be expressed as a list). | New Submission |

Please include all appropriate documentation as indicated in the Curriculum Modification Checklist.

For each new course, please also complete the New Course Proposal and submit in this document.

Please submit this document as a single .doc or .rtf format. If some documents are unable to be converted to .doc, then please provide all documents archived into a single .zip file.

**ALL PROPOSAL CHECK LIST**

|  |  |
| --- | --- |
| Completed CURRICULUM MODIFICATION FORM including: |  |
| * Brief description of proposal | x |
| * Rationale for proposal | x |
| * Date of department meeting approving the modification | x |
| * Chair’s Signature | x |
| * Dean’s Signature | x |
| Evidence of consultation with affected departments  List of the programs that use this course as required or elective, and courses that use this as a prerequisite. | N/A |
| Documentation of Advisory Commission views (if applicable). | N/A |
| Completed [Chancellor’s Report Form](http://openlab.citytech.cuny.edu/collegecouncil/files/2014/08/2013-10-09-Chancellor_Report_Quick_Reference_Guide1.doc). | x |

**EXISTING PROGRAM MODIFICATION PROPOSALS**

|  |  |
| --- | --- |
| Documentation indicating core curriculum requirements have been met for new programs/options or program changes. | N/A |
| Detailed rationale for each modification (this includes minor modifications) | x |

Description of Minor Modifications and Rationale

This proposal indicates the intention of the CMCE Department to change some of its course descriptions and prerequisites. These changes are necessary for course alignment and maintaining current industry standards. A total of 6 course descriptions and/or prerequisites will be updated.

CHANGES IN EXISTING COURSES

DESCRIPTIONS ONLY:

CMCE 1215

CMCE 2456

CMCE 3520

PREREQUISITES ONLY:

CMCE 2306

CMCE 2351L

DESCRIPTION and PREREQUISITES:

CMCE 1224

**CMCE 1215**

|  |  |  |  |
| --- | --- | --- | --- |
| **CUNYFirst Course ID** |  |  |  |
| **FROM** |  | **TO** |  |
| **Department(s)** |  | **Department(s)** |  |
| **Course** |  | **Course** |  |
| **Pre or co requisite** |  | **Prerequisite** |  |
| **Hours** |  | **Hours** |  |
| **Credits** |  | **Credits** |  |
| **Description** | ~~Introduction to the behavior of basic civil engineering materials under various types of loading. Engineering concepts for stress, strain, material properties, shear and bending moment diagrams, and torsion are explored with practical applications in civil engineering. Basic concepts of beam analysis and design are covered. A minimum grade of C is required in order to successfully pass this course~~ | **Description** | Introduction to the behavior of basic civil engineering materials under various types of loading. Engineering concepts for stress, strain, material properties, Mohr's Circle, shear and bending moment diagrams, and torsion are explored with practical applications in civil engineering. Basic concepts of beam analysis and design are covered. A minimum grade of C is required in order to successfully pass this course. |
| **Requirement Designation** |  | **Requirement Designation** |  |
| **Liberal Arts** | **[ ] Yes [ X ] No** | **Liberal Arts** | **[ ] Yes [ X] No** |
| **Course Attribute (e.g. Writing Intensive, Honors, etc** |  | **Course Attribute (e.g. Writing Intensive, Honors, etc** |  |
| **Course Applicability** | |  |  | | --- | --- | | **[X ] Major** |  | | **[ ] Gen Ed Required** | | | | | **[ ] English Composition** | | | | | **[ ] Mathematics** | | | | | **[ ] Science** | | | | | **[ ] Gen Ed - Flexible** | | | | | **[ ] World Cultures** | | | | | **[ ] US Experience in its Diversity** | | | | | **[ ] Creative Expression** | | | | | **[ ] Individual and Society** | | | | | **[ ] Scientific World** | | | | | **[ ] Gen Ed - College Option** | | | | **College Option Detail\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | | | **Course Applicability** | |  |  |  | | --- | --- | --- | | **[ X] Major** |  | | | **[ ] Gen Ed Required** | | | | **[ ] English Composition** | | | | **[ ] Mathematics** | | | | **[ ] Science** | | | | **[ ] Gen Ed - Flexible** | | | | **[ ] World Cultures** | | | | **[ ] US Experience in its Diversity** | | | | **[ ] Creative Expression** | | | | **[ ] Individual and Society** | | | | **[ ] Scientific World** | | | | **[ ] Gen Ed - College Option** | | | **College Option Detail\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | |
| **Effective Term** |  | **Fall 2021** |  |

Rationale: The concept of Mohr’s circle need to be added to the topics in CMCE 1215 for students to understand its applications in proceeding courses.

**CMCE 2306**

|  |  |  |  |
| --- | --- | --- | --- |
| **CUNYFirst Course ID** |  |  |  |
| **FROM** |  | **TO** |  |
| **Department(s)** |  | **Department(s)** |  |
| **Course** |  | **Course** |  |
| **Pre or co requisite** | ~~Pre- or corequisite: CMCE 1215~~ | **Prerequisite** | Prerequisite: CMCE 1215 |
| **Hours** |  | **Hours** |  |
| **Credits** |  | **Credits** |  |
| **Description** |  | **Description** |  |
| **Requirement Designation** |  | **Requirement Designation** |  |
| **Liberal Arts** | **[ ] Yes [ X ] No** | **Liberal Arts** | **[ ] Yes [ X] No** |
| **Course Attribute (e.g. Writing Intensive, Honors, etc** |  | **Course Attribute (e.g. Writing Intensive, Honors, etc** |  |
| **Course Applicability** | |  |  | | --- | --- | | **[X ] Major** |  | | **[ ] Gen Ed Required** | | | | | **[ ] English Composition** | | | | | **[ ] Mathematics** | | | | | **[ ] Science** | | | | | **[ ] Gen Ed - Flexible** | | | | | **[ ] World Cultures** | | | | | **[ ] US Experience in its Diversity** | | | | | **[ ] Creative Expression** | | | | | **[ ] Individual and Society** | | | | | **[ ] Scientific World** | | | | | **[ ] Gen Ed - College Option** | | | | **College Option Detail\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | | | **Course Applicability** | |  |  |  | | --- | --- | --- | | **[ X] Major** |  | | | **[ ] Gen Ed Required** | | | | **[ ] English Composition** | | | | **[ ] Mathematics** | | | | **[ ] Science** | | | | **[ ] Gen Ed - Flexible** | | | | **[ ] World Cultures** | | | | **[ ] US Experience in its Diversity** | | | | **[ ] Creative Expression** | | | | **[ ] Individual and Society** | | | | **[ ] Scientific World** | | | | **[ ] Gen Ed - College Option** | | | **College Option Detail\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | |
| **Effective Term** |  | **Fall 2021** |  |

Rationale: Students need to have full understanding of CMCE 1215 before enrolling in CMCE 2306.

**CMCE 2456**

|  |  |  |  |
| --- | --- | --- | --- |
| **CUNYFirst Course ID** |  |  |  |
| **FROM** |  | **TO** |  |
| **Department(s)** |  | **Department(s)** |  |
| **Course** |  | **Course** |  |
| **Pre or co requisite** |  | **Prerequisite** |  |
| **Hours** |  | **Hours** |  |
| **Credits** |  | **Credits** |  |
| **Description** | ~~This course combines soil theory, field practice and lab procedures. Students learn the origin and nature of soils, soil classifications, sampling, soil properties, strength characteristics, soil water relationships, settlement and consolidation concepts, lateral earth pressure and subsurface stresses.~~ | **Description** | This course combines soil theory, field practice and lab procedures. Students learn the origin and nature of soils, soil classifications, sampling, soil properties, strength characteristics, soil water relationships, settlement and consolidation concepts, lateral earth pressure and subsurface stresses. The course also offers an introduction to foundations and bearing capacity. |
| **Requirement Designation** |  | **Requirement Designation** |  |
| **Liberal Arts** | **[ ] Yes [ X ] No** | **Liberal Arts** | **[ ] Yes [ X] No** |
| **Course Attribute (e.g. Writing Intensive, Honors, etc** |  | **Course Attribute (e.g. Writing Intensive, Honors, etc** |  |
| **Course Applicability** | |  |  | | --- | --- | | **[ X] Major** |  | | **[ ] Gen Ed Required** | | | | | **[ ] English Composition** | | | | | **[ ] Mathematics** | | | | | **[ ] Science** | | | | | **[ ] Gen Ed - Flexible** | | | | | **[ ] World Cultures** | | | | | **[ ] US Experience in its Diversity** | | | | | **[ ] Creative Expression** | | | | | **[ ] Individual and Society** | | | | | **[ ] Scientific World** | | | | | **[ ] Gen Ed - College Option** | | | | **College Option Detail\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | | | **Course Applicability** | |  |  |  | | --- | --- | --- | | **[ X] Major** |  | | | **[ ] Gen Ed Required** | | | | **[ ] English Composition** | | | | **[ ] Mathematics** | | | | **[ ] Science** | | | | **[ ] Gen Ed - Flexible** | | | | **[ ] World Cultures** | | | | **[ ] US Experience in its Diversity** | | | | **[ ] Creative Expression** | | | | **[ ] Individual and Society** | | | | **[ ] Scientific World** | | | | **[ ] Gen Ed - College Option** | | | **College Option Detail\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | |
| **Effective Term** |  | **Fall 2021** |  |

Rationale: An introduction of these topics will align the course as a prerequisite for a more advanced technical elective.

**CMCE 2351L**

|  |  |  |  |
| --- | --- | --- | --- |
| **CUNYFirst Course ID** |  |  |  |
| **FROM** |  | **TO** |  |
| **Department(s)** |  | **Department(s)** |  |
| **Course** |  | **Course** |  |
| **Pre or co requisite** | ~~Prerequisite: CMCE 1215 with a grade of C or higher~~ | **Prerequisite** | Prerequisite: CMCE 1215 with a grade of C or higher; Corequisite: CMCE 2351 |
| **Hours** |  | **Hours** |  |
| **Credits** |  | **Credits** |  |
| **Description** |  | **Description** |  |
| **Requirement Designation** |  | **Requirement Designation** |  |
| **Liberal Arts** | **[ ] Yes [ X ] No** | **Liberal Arts** | **[ ] Yes [ X] No** |
| **Course Attribute (e.g. Writing Intensive, Honors, etc** |  | **Course Attribute (e.g. Writing Intensive, Honors, etc** |  |
| **Course Applicability** | |  |  | | --- | --- | | **[ X ] Major** |  | | **[ ] Gen Ed Required** | | | | | **[ ] English Composition** | | | | | **[ ] Mathematics** | | | | | **[ ] Science** | | | | | **[ ] Gen Ed - Flexible** | | | | | **[ ] World Cultures** | | | | | **[ ] US Experience in its Diversity** | | | | | **[ ] Creative Expression** | | | | | **[ ] Individual and Society** | | | | | **[ ] Scientific World** | | | | | **[ ] Gen Ed - College Option** | | | | **College Option Detail\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | | | **Course Applicability** | |  |  |  | | --- | --- | --- | | **[ X] Major** |  | | | **[ ] Gen Ed Required** | | | | **[ ] English Composition** | | | | **[ ] Mathematics** | | | | **[ ] Science** | | | | **[ ] Gen Ed - Flexible** | | | | **[ ] World Cultures** | | | | **[ ] US Experience in its Diversity** | | | | **[ ] Creative Expression** | | | | **[ ] Individual and Society** | | | | **[ ] Scientific World** | | | | **[ ] Gen Ed - College Option** | | | **College Option Detail\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | |
| **Effective Term** |  | **Fall 2021** |  |

Rationale: Students must be enrolled in the lecture concurrently to the lab.

**CMCE 1224**

|  |  |  |  |
| --- | --- | --- | --- |
| **CUNYFirst Course ID** |  |  |  |
| **FROM** |  | **TO** |  |
| **Department(s)** |  | **Department(s)** |  |
| **Course** |  | **Course** |  |
| **Pre or co requisite** | ~~Prerequisites: CMCE 1110, CMCE 1114, CUNY proficiency in reading and writing~~ | **Prerequisite** | Prerequisites: CMCE 1110, CMCE 1114 |
| **Hours** |  | **Hours** |  |
| **Credits** |  | **Credits** |  |
| **Description** | ~~This course covers the fundamentals of the major categories of any building construction project: foundation & substructure, the superstructure (structural frame); the building enclosure and interior work; and the site work. Currently used methods and materials of construction are emphasized. Castin-place and precast concrete frame construction; masonry construction; steel frame construction; curtain wall construction systems; interior finishes as well as an overview of Sustainable Construction and Green Building Design including the LEED – Green Building Rating System are covered.~~ | **Description** | This course covers the fundamentals of the major categories of any building construction project: foundation & substructure, the superstructure (structural frame); the building enclosure and interior work; and the site work. Currently used methods and materials of construction are emphasized. Castin-place and precast concrete frame construction; masonry construction; steel frame construction; curtain wall construction systems; interior finishes as well as an overview of Sustainable Construction and Green Building Design. |
| **Requirement Designation** |  | **Requirement Designation** |  |
| **Liberal Arts** | [ ] Yes [ X] No | **Liberal Arts** | **[ ] Yes [ X] No** |
| **Course Attribute (e.g. Writing Intensive, Honors, etc** |  | **Course Attribute (e.g. Writing Intensive, Honors, etc** |  |
| **Course Applicability** | |  |  | | --- | --- | | **[ ] Major** |  | | **[ ] Gen Ed Required** | | | | | **[ ] English Composition** | | | | | **[ ] Mathematics** | | | | | **[ ] Science** | | | | | **[ ] Gen Ed - Flexible** | | | | | **[ ] World Cultures** | | | | | **[ ] US Experience in its Diversity** | | | | | **[ ] Creative Expression** | | | | | **[ ] Individual and Society** | | | | | **[ ] Scientific World** | | | | | **[ ] Gen Ed - College Option** | | | | **College Option Detail\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | | | **Course Applicability** | |  |  |  | | --- | --- | --- | | **[ X] Major** |  | | | **[ ] Gen Ed Required** | | | | **[ ] English Composition** | | | | **[ ] Mathematics** | | | | **[ ] Science** | | | | **[ ] Gen Ed - Flexible** | | | | **[ ] World Cultures** | | | | **[ ] US Experience in its Diversity** | | | | **[ ] Creative Expression** | | | | **[ ] Individual and Society** | | | | **[ ] Scientific World** | | | | **[ ] Gen Ed - College Option** | | | **College Option Detail\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | |
| **Effective Term** |  | **Fall 2021** |  |

Rationale: The LEED rating system is no longer covered in this course.

**CMCE 3520**

|  |  |  |  |
| --- | --- | --- | --- |
| **CUNYFirst Course ID** |  |  |  |
| **FROM** |  | **TO** |  |
| **Department(s)** |  | **Department(s)** |  |
| **Course** |  | **Course** |  |
| **Pre or co requisite** |  | **Prerequisite** |  |
| **Hours** |  | **Hours** |  |
| **Credits** |  | **Credits** |  |
| **Description** | ~~A thorough overview of advanced planning and management techniques for the construction process. Topics include project communications, CPM scheduling, safety, construction processes, risk allocation, accounting principles, material testing and quality control techniques, change orders, claims and disputes. Project safety is addressed in a 10-hour OSHA certification training course. Students also study the LEED rating system and take a LEED certification exam (if qualified). Industry standard computer scheduling software, industry standard project management software and the use of value engineering (VE) workshop to reduce construction costs are also covered. This course is open to civil engineering technology students only.~~ | **Description** | A thorough overview of advanced planning and management techniques for the construction process. Topics include project communications, CPM scheduling, safety, construction processes, risk allocation, accounting principles, material testing and quality control techniques, change orders, claims and disputes. Project safety is addressed in a 10-hour OSHA certification training course. Industry standard computer scheduling software, industry standard project management software and the use of value engineering (VE) workshop to reduce construction costs are also covered. This course is open to civil engineering technology students only. |
| **Requirement Designation** |  | **Requirement Designation** |  |
| **Liberal Arts** | [ ] Yes [ ] No | **Liberal Arts** | **[ ] Yes [ X] No** |
| **Course Attribute (e.g. Writing Intensive, Honors, etc** |  | **Course Attribute (e.g. Writing Intensive, Honors, etc** |  |
| **Course Applicability** | |  |  | | --- | --- | | **[ ] Major** |  | | **[ ] Gen Ed Required** | | | | | **[ ] English Composition** | | | | | **[ ] Mathematics** | | | | | **[ ] Science** | | | | | **[ ] Gen Ed - Flexible** | | | | | **[ ] World Cultures** | | | | | **[ ] US Experience in its Diversity** | | | | | **[ ] Creative Expression** | | | | | **[ ] Individual and Society** | | | | | **[ ] Scientific World** | | | | | **[ ] Gen Ed - College Option** | | | | **College Option Detail\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | | | **Course Applicability** | |  |  |  | | --- | --- | --- | | **[ X] Major** |  | | | **[ ] Gen Ed Required** | | | | **[ ] English Composition** | | | | **[ ] Mathematics** | | | | **[ ] Science** | | | | **[ ] Gen Ed - Flexible** | | | | **[ ] World Cultures** | | | | **[ ] US Experience in its Diversity** | | | | **[ ] Creative Expression** | | | | **[ ] Individual and Society** | | | | **[ ] Scientific World** | | | | **[ ] Gen Ed - College Option** | | | **College Option Detail\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | |
| **Effective Term** |  | **Fall 2021** |  |

Rationale: The LEED rating system is no longer covered in this course

Department Faculty & Staff Meeting September 30, 2020 12:00pm-2:00pm

**Agenda**

1. Online Degree Offering – Discussed administration’s recommendation to offer online degrees.
2. Observations – Reminded faculty to follow guidelines for faculty observations.

Department Faculty & Staff Meeting October 7, 2020 12:00pm-2:00pm

**Agenda**

1. Online Degree Offering – Discussed administration’s recommendation to offer online degrees.
2. Observations – Reminded faculty to follow guidelines for faculty observations.
3. Proctor Track – Shared CUNY plans with faculty.
4. Camera Policy – Reminded faculty of current policies.
5. Minor Curriculum Change for Updating Course Descriptions and Prerequisites. – Faculty provided recommendations for updates to prerequisites and course descriptions for better alignment and to remove outdated material. Draft to be circulated by Prof. Villatoro.
6. ABET - Prof. Sowder to submit chapter 4 for BTECH for review by team. Prof. Allahverdi to submit chapter 4 for AAS for review by team.

Department Faculty & Staff Meeting October 14, 2020 12:00pm-2:00pm

**Agenda**

1. Review of Draft Proposal for Minor Curriculum Change for Updating Course Descriptions and Prerequisites.
2. Updates to Course Descriptions:

CMCE 1215, CMCE 2456, CMCE 3520

1. Updates to Prerequisites:

CMCE 2306, CMCE 2351L

1. Updates to Course Descriptions and Prerequisites:

CMCE 1224

Edits were made during meeting to reflect department feedback.

Department Approved the Draft Proposal unanimously.

1. Advisement
2. Shifting culture for advisement: Having faculty available throughout the semester during office hours;
3. Open virtual sessions for Freshman’s;
4. During registration keep the Google spreadsheet;
5. Prof. Villatoro will offer multiple languages for bilingual students. (English and Spanish)