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.

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| --- | --- |
| **Title of Proposal** | **Change Prerequisites of MECH 3650** |
| **Date** | **3/2/2015** |
| **Major or Minor** | **Minor** |
| **Proposer’s Name** | **Angran Xiao** |
| **Department** | **Mechanical Engineering Technology** |
| **Date of Departmental Meeting in which proposal was approved** | **2/17/15** |
| **Department Chair Name** | **Sidi Berri** |
| **Department Chair Signature and Date** |  |
| **Academic Dean Name** | **Kevin Hom** |
| **Academic Dean Signature and Date** | **3/10/15** |
| **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. | **Adding MECH2333 as a prerequisite of MECH 3650. The prerequisites of MECH 3650 changes from MECH1233, MAT 1575 to MECH1233, MECH2333, MAT 1575.** |
| **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). | **Given the title and content of the following classes, MECH 3650 is a natural evolution of MECH1233 and MECH2333. Students need to know the materials of MECH 2333 in order to take MECH 3650**  **MECH1233 Statics and Strength of Materials**  **MECH2333 Strength of Materials II**  **MECH3650 Advanced Strength of Materials** |
| **Proposal History**  (Please provide history of this proposal: is this a resubmission? An updated version? This may most easily be expressed as a list). | **3/10/15 first submission**  **3/11/15 second submission, corrected chancellor report** |

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**

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| --- | --- |
| Completed CURRICULUM MODIFICATION FORM including: |  |
| * Brief description of proposal | Y |
| * Rationale for proposal | Y |
| * Date of department meeting approving the modification | Y |
| * Chair’s Signature | Y |
| * Dean’s Signature | Y |
| 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. | Y |
| 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). | Y |

**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) | Y |

**List of Courses that use this course as prerequisite.**

1. **MECH 4700 Fluid Mechanics**

**Prerequisites: MECH 3650, MAT 1575**

1. **MECH 4730 Finite Element Methods**

**Prerequisites: MECH 3650, MAT 2680**

**Section AV: Changes in Existing Courses**

**Changes to be offered in the Mechanical Engineering Technology department**

**MECH 3650 Advanced Strength of Materials**

|  |  |  |  |
| --- | --- | --- | --- |
| **CUNYFirst Course ID** | 122272 |  |  |
| **FROM:** |  | **TO:** |  |
| **Department(s)** |  | **Department(s)** |  |
| **Course** |  | **Course** |  |
| **Prerequisite** | ~~MECH1233, MAT 1575~~ | **Prerequisite** | MECH1233, MECH2333, MAT 1575 |
| **Corequisite** |  | **Corequisite** |  |
| **Pre- or corequisite** |  | **Pre- or corequisite** |  |
| **Hours** |  | **Hours** |  |
| **Credits** |  | **Credits** |  |
| **Description** |  | **Description** |  |
| **Requirement Designation** |  | **Requirement Designation** |  |
| **Liberal Arts** | [ ] Yes [ ] No | **Liberal Arts** | [ ] Yes [ ] 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 | | [ ] Speech | | [ ] Interdisciplinary | | [ ] Advanced Liberal Arts | | **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 | | [ ] Speech | | [ ] Interdisciplinary | | [ ] Advanced Liberal Arts | |
| **Effective Term** | Fall, 2015 |  |  |

Rationale: This change reflects a natural evolution of the topic. From MECH1233 Statics and Strength of Materials, to MECH2333 Strength of Materials II, to MECH3650 Advanced Strength of Materials. Students need to know the materials of MECH 2333 in order to take MECH 3650. This change will better prepare students for the advanced materials in MECH 3650.