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** | **Change prerequisites of MECH4850, MECH4700, MECH3550, and MECH4760** |
| **Date** | **2/24/2017** |
| **Major or Minor** | **Minor** |
| **Proposer’s Name** | **Masato Nakamura** |
| **Department** | **Mechanical Engineering Technology** |
| **Date of Departmental Meeting in which proposal was approved** | **2/16/2017** |
| **Department Chair Name** | **Sidi Berri** |
| **Department Chair Signature and Date** | **C:\Users\Masa\Desktop\sidi.PNG2/23/2017** |
| **Academic Dean Name** | **Kevin Hom** |
| **Academic Dean Signature and Date** | **C:\Users\Masa\Desktop\kevin hom.PNG2/23/2017** |
| **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. | **Change “Prerequisites MECH4700, MECH4730” to “Pre- or corequisites MECH4700, MECH4730” of MECH4850****Change “Prerequisites MECH3650” to “Pre- or corequisites MECH3650” of MECH4700****Change “Prerequisites MAT 1475 or higher” to “Prerequisites MAT 1475 or higher and IND2304” of MECH3550****Change “Prerequisites MAT2680” to “Prerequisites MAT2680 and MECH2333” of MECH4760** |
| **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).  | **Rationale for MECH4850 and MECH4700: These changes are necessary to accommodate students taking important courses in a same semester. Making these changes will synergize learning several topics in mechanical engineering technology and avoid delay in student registration.****Rationale for MECH3550: It is necessary to learn topics related to advanced solid modeling before learning simulation. Making this change will support students effectively for acquiring the knowledge of these topics, as well as provide a connection between modeling and simulation.****Rationale for MECH4760: It is necessary to learn topics related to strength of materials before learning vibration and advance dynamics. Making this change will support students effectively for acquiring the knowledge of these topics, as well as provide a connection between material properties and vibration.**  |
| **Proposal History**(Please provide history of this proposal: is this a resubmission? An updated version? This may most easily be expressed as a list). | **The proposal submitted (2/24/2017)****CC Chair’s feedback received (2/24/2017)****Chancellor's Report updated (3/2/2017)** |

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
 | 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 departmentsList 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 |

**Section AV: Changes in Existing Courses**

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

**MECH4850 Senior Design Project**

|  |  |  |  |
| --- | --- | --- | --- |
| **CUNYFirst Course ID** | 33935 |  |  |
| **FROM:** |  | **TO:** |  |
| **Department(s)** |  | **Department(s)** |  |
| **Course** |  | **Course** |  |
| **Prerequisite** | ~~MECH 4700, MECH 4730~~ | **Prerequisite**  |  |
| **Corequisite** |  | **Corequisite** |  |
| **Pre- or corequisite** |  | **Pre- or corequisite** | MECH 4700, MECH 4730 |
| **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** |

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| --- |
| [ ] 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 |

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| **Effective Term** | Fall, 2017 |  |  |

Rationale: It is necessary to accommodate students taking important courses in a same semester. Making this change will synergize learning several topics in mechanical engineering technology and avoid delay in student registration.

**Section AV: Changes in Existing Courses**

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

**MECH4700 Fluid Mechanics**

|  |  |  |  |
| --- | --- | --- | --- |
| **CUNYFirst Course ID** | 33751 |  |  |
| **FROM:** |  | **TO:** |  |
| **Department(s)** |  | **Department(s)** |  |
| **Course** |  | **Course** |  |
| **Prerequisite** | ~~MECH 3650~~, MAT 1575or higher | **Prerequisite**  | MAT 1575 or higher |
| **Corequisite** |  | **Corequisite** |  |
| **Pre- or corequisite** |  | **Pre- or corequisite** | MECH 3650 |
| **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 |
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| [ ] Creative Expression |
| [ ] Individual and Society |
| [ ] Scientific World |
| [ ] Gen Ed - College Option |
| [ ] Speech |
| [ ] Interdisciplinary  |
| [ ] Advanced Liberal Arts |

 |
| **Effective Term** | Fall, 2017 |  |  |

Rationale: It is necessary to accommodate students taking important courses in a same semester. Making this change will synergize learning several topics in mechanical engineering technology and avoid delay in student registration.

**Section AV: Changes in Existing Courses**

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

**MECH3550 Simulation and Visualization**

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| --- | --- | --- | --- |
| **CUNYFirst Course ID** | 33747 |  |  |
| **FROM:** |  | **TO:** |  |
| **Department(s)** |  | **Department(s)** |  |
| **Course** |  | **Course** |  |
| **Prerequisite** | ~~MAT 1475 or higher~~ | **Prerequisite**  | MAT 1475 or higher and IND2304 |
| **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 |
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| [ ] Individual and Society |
| [ ] Scientific World |
| [ ] Gen Ed - College Option |
| [ ] Speech |
| [ ] Interdisciplinary  |
| [ ] Advanced Liberal Arts |

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| **Effective Term** | Fall, 2017 |  |  |

Rationale: It is necessary to learn topics related to advanced solid modeling before learning simulation. Making this change will support students effectively for acquiring the knowledge of these topics, as well as provide a connection between modeling and simulation.

**Section AV: Changes in Existing Courses**

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

**MECH4760 Vibration and Advanced Dynamics**

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| --- | --- | --- | --- |
| **CUNYFirst Course ID** | 33754 |  |  |
| **FROM:** |  | **TO:** |  |
| **Department(s)** |  | **Department(s)** |  |
| **Course** |  | **Course** |  |
| **Prerequisite** | ~~MAT 2680~~ | **Prerequisite**  | MAT 2680 and MECH2333 |
| **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 |

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| **Effective Term** | Fall, 2017 |  |  |

Rationale: It is necessary to learn topics related to strength of materials before learning vibration and advance dynamics. Making this change will support students effectively for acquiring the knowledge of these topics, as well as provide a connection between material properties and vibration.

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Evidence of Consultation with Entertainment Technology Department

11/6/2017 FW: A minor proposal including prerequisites of MECH3550 ... - Masato Nakamura

https://webmail.citytech.cuny.edu/owa/#viewmodel=ReadMessageItem&ItemID=AAMkAGM3ZGM4ZWQyLTY5YWItNGZlMC1hYTJiLTdhYjhkZWJhNW… 1/3

FW: A minor proposal including prerequisites of MECH3550 Simulation and Visualization.

Hi Masa,

Please see below the email from the Chair of the ENT department. They have no concern for our minor change. Thanks,

Sidi

Sidi Berri, PhD Professor and Chair

New York City College of Technology, CUNY Mechanical Engineering Technology

and Industrial Design department 186 Jay street, Brooklyn, NY 11201 sberri@citytech.cuny.edu

718-260-5233

**From:** Charles Scott

**Sent:** Friday, October 27, 2017 6:47 PM **To:** Sidi berri <SBerri@citytech.cuny.edu>

**Subject:** RE: A minor proposal including prerequisites of MECH3550 Simulation and Visualization.

Sorry for the delay Sidi,

The ENT faculty has determined that there are so few students who will opt into that elective that we have no concerns and will support your minor change.

Chip

**From:** Sidi berri

**Sent:** Thursday, October 26, 2017 9:08 AM **To:** Charles Scott <CScott@citytech.cuny.edu>

**Subject:** RE: A minor proposal including prerequisites of MECH3550 Simulation and Visualization.

Hi Chip,

Any update? We have been holding on this minor changes waiting for your feedback. Thanks,

Sidi

Sidi Berri, PhD Professor and Chair

New York City College of Technology, CUNY Mechanical Engineering Technology

and Industrial Design department 186 Jay street, Brooklyn, NY 11201 sberri@citytech.cuny.edu

Sidi berri

Sat 10/28/2017 7:39 AM

To: Masato Nakamura <MNakamura@citytech.cuny.edu>;

11/6/2017 FW: A minor proposal including prerequisites of MECH3550 ... - Masato Nakamura

718-260-5233

**From:** Charles Scott

**Sent:** Monday, October 16, 2017 2:15 PM **To:** Sidi berri <SBerri@citytech.cuny.edu>

**Subject:** Re: A minor proposal including prerequisites of MECH3550 Simulation and Visualization.

Sidi,

Checking with the MTEC faculty Chip

On Oct 16, 2017, at 12:51 PM, Sidi berri <SBerri@citytech.cuny.edu> wrote:

Hi Chip,

This is a minor curriculum change for MECH3550 which is used by your students. We would like to add IND2304 as a prerequisite to MECH3550. The new prerequisite requirement would allow students to have a solid background in 3D solid modeling before they take MECH3550.

Thanks, Sidi

Sidi Berri, PhD Professor and Chair

New York City College of Technology, CUNY Mechanical Engineering Technology

and Industrial Design department 186 Jay street, Brooklyn, NY 11201 sberri@citytech.cuny.edu

718-260-5233

**From:** Masato Nakamura

**Sent:** Monday, October 16, 2017 12:48 PM **To:** Charles Scott <CScott@citytech.cuny.edu> **Cc:** Sidi berri <SBerri@citytech.cuny.edu>

**Subject:** Re: A minor proposal including prerequisites of MECH3550 Simulation and Visualization.

Dear Professor Scott,

I hope you have a good semester.

I'm just wondering that what you think regarding the minor change of prerequisites of MECH3550 Simulation and Visualization. Our department would like to change prerequisites for other courses as well in this minor proposal. Please let me know if there are any potential impacts by this MECH3550 prerequisite change.

Thank you, Masa

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Masato R. Nakamura, EngScD

Assistant Professor and BTech Coordinator

Department of Mechanical Engineering Technology and Industrial Design New York City College of Technology (City Tech)

The City University of New York (CUNY)

186 Jay Street, Voorhees Hall Room 532, Brooklyn, NY 11201 Tel: +1 (718) 260 5532, Email: mnakamura@citytech.cuny.edu

https://webmail.citytech.cuny.edu/owa/#viewmodel=ReadMessageItem&ItemID=AAMkAGM3ZGM4ZWQyLTY5YWItNGZlMC1hYTJiLTdhYjhkZWJhNW… 2/3

11/6/2017 FW: A minor proposal including prerequisites of MECH3550 ... - Masato Nakamura

https://webmail.citytech.cuny.edu/owa/#viewmodel=ReadMessageItem&ItemID=AAMkAGM3ZGM4ZWQyLTY5YWItNGZlMC1hYTJiLTdhYjhkZWJhNW… 3/3

**From:** Masato Nakamura

**Sent:** Sunday, March 26, 2017 12:27 PM **To:** Charles Scott

**Subject:** A minor proposal including prerequisites of MECH3550 Simulation and Visualization.

Dear Professor Scott,

I'm Masa Nakamura, assistant professor of Mechanical Engineering Dept and am updating a minor proposal which includes prerequisites of MECH3550 Simulation and Visualization.

Department had a department curriculum meeting and discussed regarding adding a prerequisite IND2304, with corrent prerequisite (MAT14750 or higher). That's because IND2304 Advance Solid Modeling is getting much more necessary for developing students' simulation skills through MECH3550 and we use solid modeling skills a lot in MECH3550.

I found MECH350 on the elective course list (5 of 11 courses) in Media Computation Concentration of BTech in Emerging Media Technology. On the other hand, I heard BTech in EMT will/might have an update near future. Please ﬁnd the attached minor curriculum modiﬁcation proposal form and give me what do you think. Any suggestion would be helpful. Thank you.

Masa

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Masato R. Nakamura, Eng.Sc.D.

Assistant Professor and BTech Coordinator

Department of Mechanical Engineering Technology and Industrial Design New York City College of Technology (City Tech)

City University of New York (CUNY)

186 Jay Street, Voorhees Hall Room 532, Brooklyn, NY 11201

Tel: +1 (718) 260 5532, Email: mnakamura@citytech.cuny.edu