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** | **Prerequisite and Media/Representation course updates** |
| **Date** | **March 25, 2024** |
| **Major or Minor** | **Minor** |
| **Proposer’s Name** | **Ting Chin** |
| **Department** | **Architectural Technology** |
| **Date of Departmental Meeting in which proposal was approved** | **February 29, 2024** |
| **Department Chair Name** | **Ting Chin** |
| **Department Chair Signature and Date** |  |
| **Academic Dean Name** | **Gerarda Shields** |
| **Academic Dean Signature and Date** | **Close-up of a signature  Description automatically generated** |
| **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. | **Pre-/Corequisite updates**  **Two revised course descriptions**  **One course number change** |
| **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). | * **Remove old course numbers** * **Remove many unnecessary pre-/corequisites** * **Add a few needed pre-/corequisites** * **Revise course titles, descriptions, and/or number to reflect current or revised learning objectives.** |
| **Proposal History**  (Please provide history of this proposal: is this a resubmission? An updated version? This may most easily be expressed as a list). | **None** |

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 | √ |
| * Rationale for proposal | √ |
| * Date of department meeting approving the modification | √ |
| * Chair’s Signature | √ |
| * Dean’s Signature | √ |
| 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. | √ |
| 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). | √ |

**EXISTING PROGRAM MODIFICATION PROPOSALS**

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

Changes to Pre-/Corequisites

|  |  |  |  |
| --- | --- | --- | --- |
| Course # | Course Name | FROM | TO |
|
| ARCH 1212 | Architectural Design II: Foundations and Visual Studies | Prerequisite: ARCH 1101 and (ARCH 1112 with a grade of C or higher ~~OR (ARCH 1110 and ARCH 1191 with a grade of C or higher)~~) | Prerequisite: ARCH 1101 and (ARCH 1112 with a grade of C or higher) |
| ARCH 2312 | Architectural Design III | Prerequisite: (ARCH 1212 with a grade of C or higher) ~~or (ARCH 1210 and ARCH 1291, both with a grade of C or higher)~~; Pre- or corequisite: ARCH 1250 | Prerequisite: ARCH 1212 with a grade of C or higher; Pre- or corequisite: ARCH 1250 |
| ARCH 2331 | Building Technology II | Prerequisite: ~~ARCH 1130 with a grade of C or higher or~~ ARCH 1231 with a grade of C or higher; Prerequisite: MAT 1275 or MAT 1275CO or higher OR corequsite: MAT 1275 ~~Pre- or corequisite: ARCH 1112~~ | Prerequisite: ARCH 1231 with a grade of C or higher; Prerequisite: MAT 1275 or MAT 1275CO or higher OR corequsite: MAT 1275 |
| ARCH 2412 | Architectural Design IV | Prerequisite: ARCH 1250 and (~~ARCH 2310 or~~ ARCH 2312 with a grade of C or higher) and (~~ARCH 1291 or~~ ARCH 1212 with a grade of C or higher); Pre- or corequisite: (ARCH 2321) and (~~ARCH 1230 with a grade of C or higher if it is taken as a prerequisite or~~ ARCH 2331 with a grade of C or higher if it is taken as a prerequisite) | Prerequisite: ARCH 1250 and (ARCH 1212 and ARCH 2312 both with a grade of C or higher); Pre- or corequisite: (ARCH 2321) and (ARCH 2331 with a grade of C or higher if it is taken as a prerequisite) |
| ARCH 2431 | Building Technology III | Prerequisite: (MAT 1275 or MAT 1275CO) and (~~ARCH 1230 with a grade of C or higher or~~ ARCH 2331 with a grade of C or higher) | Prerequisite: (MAT 1275 or MAT 1275CO) and (ARCH 2331 with a grade of C or higher) |
| ARCH 2481 | Structures ll | Prerequisite: ~~(ARCH 2480 or~~ ARCH 2381~~)~~, (MAT 1275 or MAT 1275CO or higher), PHYS 1433 or higher | Prerequisite: ARCH 2381, (MAT 1275 or MAT 1275CO or higher), PHYS 1433 or higher |
| ARCH 3512 | Architectural Design V | Prerequisite: (ARCH 2412 ~~or ARCH 2410)~~ with a grade of C or higher ~~or [an AAS degree in an architecturally-related field~~ and (~~ARCH 1291 or~~ ARCH 1212) with a grade of C or higher] | Prerequisite: (ARCH 1212 and ARCH 2412 both with a grade of C or higher) |
| ARCH 3531 | Building Technology IV | Prerequisite: ~~(~~ARCH 2431 with a grade of C or higher~~) or (ARCH 2330 with a grade of C or higher)~~ | Prerequisite: ARCH 2431 with a grade of C or higher |
| ARCH 3550 | Building Performance Workshop | Prerequisites: (ARCH 1250 and ARCH 2431) or (CMCE ~~1222~~ and CMCE ~~2321~~) | Prerequisites: (ARCH 1250 and ARCH 2431) or (CMCE 1224 and CMCE 2410) |
| ARCH 3590 | Parametric Computation, Materials and Fabrication | Prerequisite: ~~(ARCH 1112 or ARCH 1191), (~~ARCH 1212 ~~or ARCH 1291), both~~ with a grade of C or higher | Prerequisite: ARCH 1212 with a grade of C or higher |
| ARCH 3592 | Introduction to Photorealistic Rendering and Animation | See attached for change of #, title, description |  |
| ARCH 3609 | Integrated Software in the Architectural Office | See attached for change of title and description |  |
| ARCH 3612 | Architectural Design VI | Prerequisite: ~~ARCH 3510 or~~ ARCH 3512 with a grade of C or higher | Prerequisite: ARCH 3512 with a grade of C or higher |
| ARCH 3630 | Advanced Detailing Studio | Prerequisites: (ARCH 3531 ~~or ARCH 2430)~~ and ~~(ARCH 3510 or~~ ARCH 3512), both with a grade of C or higher, and ~~(ARCH 3580 or ARCH 2480 or~~ ARCH 2381~~)~~ | Prerequisites: (ARCH 3531 and ARCH 3512 both with a grade of C or higher) and (ARCH 2381) |
| ARCH 3631 | Advanced Materials Workshop | Prerequisite: ARCH ~~1291~~ with a grade of C or higher; Pre- or corequisite: ARCH ~~2430~~ | Prerequisite: ARCH 1212 with a grade of C or higher; Pre- or corequisite: ARCH 2431 |
| ARCH 3662 | Government Regulations and Approvals | Prerequisite: ARCH ~~2330~~ with a grade of C or higher | Prerequisite: ARCH 2431 with a grade of C or higher |
| ARCH 3691 | Advanced Design and Building Information Modeling | ~~Prerequisites: (ARCH 1291, ARCH 2430, both with a grade of C or higher); or AAS degree in Architecture or equivalent; or CMCE 1204 or CMCE 1224 or CMCE 2457; Corequisites: ARCH 3510 or ARCH 3610 or ARCH 3630 or ARCH 4710 or ARCH 4810 or ARCH 4830~~ | Prerequisites: ARCH 1212 and ARCH 3531 both with a grade of C or higher |
| ARCH 3900 | Architecture Study Abroad | Prerequisite: ARCH ~~3510~~ with a grade of C or higher, or ~~an AAS degree in Architecture or equivalent~~ | Prerequisite: ARCH 3512 with a grade of C or higher, or approval of instructor |
| ARCH 4709 | Advanced 3-Dimensional Modeling and Rendering | Prerequisite: ARCH 1291 with a grade of C or higher | Prerequisite: ARCH 1212 with a grade of C or higher |
| ARCH 4712 | Architectural Design VII: Urban Design | Prerequisite: ARCH 3512 ~~or ARCH 3510~~with a grade of C or higher | Prerequisite: ARCH 3512 with a grade of C or higher |
| ARCH 4722 | Theory I: Principles and Theories of Architecture | Prerequisites: ARCH 2321, ~~ARCH 3522; Pre- or corequisite: ARCH 3512~~ | Prerequisites: ARCH 2321 and one of the following: ARCH 3522, any ARTH 1200 or higher, HIS 3209) |
| ARCH 4740 | Detail and Construction Technologies for Existing Buildings | Prerequisite: ARCH 3531 with a grade of C or higher~~; or CMCE 1204 or CMCE 1224 or CMCE 2457~~ | Prerequisite: ARCH 3531 with a grade of C or higher |
| ARCH 4750 | Advanced Simulation for High Performance Buildings | ~~Prerequisite: ARCH 2430 or CMCE 2410 or ENVC 2340 or department permission. ARCH 3550 is strongly recommended~~ | Prerequisite: ARCH 3550 or approval of instructor |
| ARCH 4780 | Case Studies in Structural Engineering | Prerequisites: ARCH ~~2480~~, AAS degree in Architecture or equivalent, or AAS degree in Civil Engineering Technology or Construction Management or equivalent | Prerequisites: ARCH 2381, AAS degree in Architecture or equivalent, or AAS degree in Civil Engineering Technology or Construction Management or equivalent |
| ARCH 4812 | Architectural Design VIII: Special Topics | Course Title: Architectural Design VIII: ~~Special Topics~~  Prerequisite: ARCH 3612 or ARCH 4712 with a grade of C or higher | Course Title: Architectural Design VIII: Integrative Studio  Prerequisite: ARCH 3612 or ARCH 4712 with a grade of C or higher; ARCH 3531 with a grade of C or higher |
| ARCH 4822 | Theory II: Architectural Theory Applied | Prerequisite: ARCH 4722~~; Pre- or corequisite: ARCH 3612 or ARCH 3610~~ | Prerequisite: ARCH 4722 |
| ARCH 4830 | Construction Technology: Special Topics | ~~Prerequisite: ARCH 4710 with a grade of C or higher; Pre- or corequisite: ARCH 1291 with a grade of C or higher if it is taken as a prerequisite~~ | Prerequisite: ARCH 3612 or ARCH 4712 with a grade of C or higher |
| ARCH 4831 | Design to Build | ~~Prerequisite: AAS degree in Architecture or equivalent; Corequisite: ARCH 3510 or ARCH 3610 or ARCH 3630 or ARCH 4710 or ARCH 4810 or ARCH 4830~~ | Pre- or corequisite: ARCH 2431 |
| ARCH 4900 | Internship in Architectural Technology | Prerequisites: ~~ARCH 2410, ARCH 2430,~~ both with a grade of C or higher, and approval of internship director | Prerequisites: (ARCH 2412 and ARCH 3531, both with a grade of C or higher) and approval of internship director |
| ARCH 5112 | Architectural Design IX: Design Research | Prerequisite: ARCH 4812 ~~or ARCH 4810 or ARCH 4830~~ with a grade of C or higher | Prerequisite: ARCH 4812 with a grade of C or higher; open to BArch students only |

**Section AV: Changes to Existing Courses**

**Changes to be offered in the Architectural Technology department**

|  |  |  |  |
| --- | --- | --- | --- |
| **CUNYFirst Course ID** | 3592 |  |  |
| **Course Number and Title** | Introduction to Photorealistic Rendering and Animation | | |
| **FROM:** |  | **TO:** |  |
| **Department(s)** |  | **Department(s)** |  |
| **Course Number** | ~~3592~~ | **Course Number** | 3509 |
| **Course Title** | ~~Introduction to Photorealistic Rendering and Animation~~ | **Course Title** | Media and Representation I |
| **Prerequisite** | Prerequisite: ~~(ARCH 1291 or~~ ARCH 1212~~)~~ with a grade of C or higher | **Prerequisite** | Prerequisite: ARCH 1212 with a grade of C or higher |
| **Corequisite** |  | **Corequisite** |  |
| **Pre- or corequisite** |  | **Pre- or corequisite** |  |
| **Hours** |  | **Hours** |  |
| **Credits** |  | **Credits** |  |
| **Description** | Space visualization using a combination of photo-realistic renderings, animations, and interactive 360-degree panoramic renderings. Creation of computer-generated scenes that can be viewed and explored as virtual and augmented reality. | **Description** | Introduction to architecture representation as a discourse, considering various representational methods within a historical and theoretical framing. Production and reading architectural representation are essential to this course. Focused workshops on creating visual and digital representations, including film, digital rendering, collage, data visualization, and sound, allow students to implement and test techniques from case studies. Students will develop frameworks for critical thinking about architectural representation. |
| **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:** spring 2025 |  |  |  |

**Rationale:** Revise course description and course number to rebalance course learning objectives on the appropriate purpose of digital tools and other media – to communicate architectural ideas.

|  |  |  |  |
| --- | --- | --- | --- |
| **CUNYFirst Course ID** | 3609 |  |  |
| **Course Number and Title** | Integrated Software in the Architectural Office | | |
| **FROM:** |  | **TO:** |  |
| **Department(s)** |  | **Department(s)** |  |
| **Course Number** |  | **Course Number** |  |
| **Course Title** | ~~Integrated Software in the Architectural Office~~ | **Course Title** | Media and Representation II |
| **Prerequisite** | Prerequisite: ~~(ARCH 1291 or~~ ARCH 1212~~)~~ with a grade of C or higher | **Prerequisite** | Prerequisite: ARCH 1212 with a grade of C or higher |
| **Corequisite** |  | **Corequisite** |  |
| **Pre- or corequisite** |  | **Pre- or corequisite** |  |
| **Hours** |  | **Hours** |  |
| **Credits** |  | **Credits** |  |
| **Description** | The course is designed to introduce the student to the variety of software that is being used in a design firm. The student will be provided with the guidelines for a better understanding of the integration of specialized software into all aspects of the architectural profession. The course focuses on managing a computerized office and understanding and using the latest technologies in a design firm. | **Description** | This design seminar explores how authorship, storytelling, and advanced architectural representation are  interconnected. Students explore design, composition, data visualization, and construction concepts by writing descriptive texts to generate input for digital visual modeling systems. Students will think critically about the intersection of authorship and technology. |
| **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:** spring 2025 |  |  |  |

**Rationale:** Revise course description to focus course learning objectives on the appropriate, ethical, and creative use of digital tools, including artificial intelligence, to generate and communicate architectural ideas.

|  |  |  |  |
| --- | --- | --- | --- |
| **CUNYFirst Course ID** | 4812 |  |  |
| **Course Number and Title** | Design VIII: Special Topics | | |
| **FROM:** |  | **TO:** |  |
| **Department(s)** |  | **Department(s)** |  |
| **Course Number** |  | **Course Number** |  |
| **Course Title** | Design VIII: ~~Special Topics~~ | **Course Title** | Design VIII: Integrative Studio |
| **Prerequisite** | Prerequisite: ARCH 3612 or ARCH 4712 with a grade of C or higher | **Prerequisite** | Prerequisite: ARCH 3612 or ARCH 4712 with a grade of C or higher; ARCH 3531 with a grade of C or higher |
| **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:** spring 2025 |  |  |  |

**Rationale:** Revise course title to reflect intended / current course content. Original title was truncated during submission process; “Integrative Studio” is the key descriptor. Update prerequisites to include crucial building technology content (typically taken in 5th semester) necessary to be successful in this studio (typically taken in 8th semester).

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