Undergraduate Curriculum Committee
Meeting Minutes
October 27, 2022
UC 222

Members Present: Denise McKenney, Olga Grisak, Eric Miles (Tracii Friedman), Sarah Lanci, Sloane Milstein, Elaine Venter, Scott Andrews, Brian Hosterman, Kristina Pagel, Nick Bardo, Evan Curtis, Geoffrey Gurka, Andrew Bajorek

Members Absent: Wayne Smith

Ex-officio members present: Maggie Bodyfelt, Morgan Bridge, Amber D'Ambrosio, Janel Davis, Johanna Varner

Recording Secretary: Aaron Osborne, Caitlin Cuevas

Chair Lanci called the meeting to order at 3:30pm

I. Announcements

A. CIM closes February 6, 2023.

II. Ex-Officio Reports

A. Associate Vice President of Academic Affairs for Assessment and Accreditation
   i. AVPAA Bridge deferred her comments until Essential Learning is discussed.

B. Registrar's Office
   Associate Registrar Bodyfelt discussed course title changes. If content from a course is changing by more than 10%, a new course may be required. Please contact the Registrar's Office and discuss when contemplating this change so that the proposals go through workflow correctly.

C. Financial Aid Deputy Director Martin
   i. No comments

D. Librarian D'Ambrosio
   i. If new programs/new proposals are underway, please send the information to the Library as soon as possible so the Librarians can begin their review. This information can be sent to the Librarians before it reaches their step in the workflow and even before the information is entered into CIM.

E. Catalog Description Reviewer Varner
   i. Nothing to report

F. Essential Learning
   i. Essential Learning Representative Andrews reported the Essential Learning Committee met. Discussions centered on aligning EL coursework across sections,

within the department and at the GT Pathways and Institutional levels. AVPAA Bridge shared the EL Committee is working on a new process where a course point person will be identified. Needed information will go to that person to then be shared with all faculty teaching the course. AVPAA Bridge will also have this conversation with Department Heads. If you know who the point person for EL courses are in your department, please let her know. The goal is to facilitate SLO, course and assessment information as well as course comparability across all EL courses.

III. Old Business

A. Nothing to report

IV. Curriculum Proposals

A. **Summary of committee actions and additional details on curriculum proposals begins on page 3.**

V. Information Items

A. Chair Lanci reminded Committee Members to please include verbiage that the department as a whole was included in the discussion about curriculum changes and note at least the semester and year discussed. This is a good way to demonstrate that all faculty are involved in curriculum decisions and that departments are approving changes, not just one faculty member.

B. Please take the time to thoroughly explain the rationale for justifications. This information is needed for other reporting purposes so clear information here is very helpful both to the UCC and for other reporting.

C. As courses are modified, please remember to modify all needed programs and any other courses that are affected by the course modifications/additions/inactivations being made. Course modifications that do not include other necessary course and program modifications will not move in the workflow until those additional modifications catch up in the workflow.

D. Chair Lanci reminded the Committee that modifications/additions/inactivations must be at the executive committee stage of the workflow to be discussed at the executive committee meeting, two weeks before the full committee meeting. Items not discussed in the executive committee meeting will be discussed at the next full committee meeting.

VI. New Business

A. There was no new business.

Gurka motioned and Bardo seconded adjourning the meeting. With no objections from the committee, Chair Lanci adjourned the meeting at 3:45pm.

Respectfully submitted by Aaron Osborne, October 28, 2022

Effective Term - Summer 2023 **Programs**

The following is a summary: Additional information can be found on the individual curriculum proposals.

Proposal	Degree	Committee Action	Motion | Second
M204: Animation	**Minor**	**Program Modification**	**Gurka | Bardo**

UCC Discussion: Make the ARTA 222 Program Specific Requirement an "or" option by adding ARTA 224 as a second choice. This gives students an option for film or photography.

Change Item Description	Department Justification
List all proposed changes to the program:	Add ARTA 224 as an 'or' option with ARTA 222
Justify each proposed modification to the program:	Adding a class as an 'or' option allows non-majors to easily get through the minor, because as discussed with the photo professor, his ARTA 222 fills up immediately with majors which will make it very difficult for a Minor student to get into the class. The reason for adding ARTA 224 Principles of Film as an 'or' option is that students will learn camera techniques in 224 or 222, so either one will give them an overview of using a camera.
Describe discussions about this proposal within the department and outcomes.	Adding the 'or' option was discussed with the Art and Design department head and faculty in August 2022, all parties agreed to the change. This change didn't affect the Theatre dept.

Effective Term - Summer 2023 **Courses**

The following is a summary: Additional information can be found on the individual curriculum proposals.

Proposal	Credits	Committee Action	Motion | Second
ENGR 225: Introduction to Manufacturing	**3**	**Course Modification - Passed**	**Bardo | Gurka**

UCC Discussion: 1) Course description was cleaned up to clarify content covered in this course. 2) Academic engagement minutes and student preparation minutes were filled in (info was not transferred when CIM was implemented). 3) Typical semester offered, SLOs, and Topical Course Outline were added (info was not transferred when CIM was implemented).

Change Item Description	Old	New
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Principles, processes, and problems associated with the conversion of engineered materials into useful goods. Fundamentals of geometric specification, casting, machining, plastic deformation, bulk deformation, joining processes, and additive processes for metals, plastics, ceramics, and composites.	Principles, processes, and problems associated with the conversion of engineered materials into useful goods. Fundamentals of geometric specification, casting, machining, plastic deformation, bulk deformation, joining processes, and processes for plastics, ceramics, and composites.

ENGR 305: Engineering Economics Ethics	**2**	**Course Modification - Passed**	**Bardo | Gurka**

UCC Discussion: 1) Academic engagement minutes and student preparation minutes were filled in (info was not transferred when CIM was implemented). 2) Typical semester offered, SLOs, and Topical Course Outline were added (info was not transferred when CIM was implemented). 3) Updated course description to remove 'statistics' (this topic is not covered in this class).

Change Item Description	Old	New
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Applications of economics, statistics, and ethics for mechanical engineers. Topics include cost concepts and design economics, money-time relationships, and comparison of alternatives. Engineering ethics includes personal vs. professional ethics, ethical problem-solving techniques, rights and responsibilities of engineers, and whistleblowing.	Applications of economics and ethics for mechanical engineers. Topics include cost concepts and design economics, money-time relationships, and comparison of alternatives. Engineering ethics includes personal vs. professional ethics, ethical problem-solving techniques, rights and responsibilities of engineers, and whistleblowing.

ENGR 401: Professionalism Seminar	**1**	**Course Modification - Passed**	**Bardo | Gurka**

UCC Discussion: 1) Course description was cleaned up. 2) Academic engagement minutes and student preparation minutes were filled in (info was not transferred when CIM was implemented). 3) Typical semester offered, SLOs, and Topical Course Outline were added (info was not transferred when CIM was implemented).

Change Item Description	Old	New
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Preparation for a career in the engineering profession. Topics in professionalism, ethics, resume building, innovation, internships, and current engineering issues explored.	Preparation for a career in the engineering profession. Includes professionalism, ethics, competitive job application materials, jobs and internships, and current engineering issues.

ENGR 425: Advanced Manufacturing	**3**	**Course Modification - Passed**	**Bardo | Gurka**

UCC Discussion: 1) Academic engagement minutes and student preparation minutes were filled in (info was not transferred when CIM was implemented). 2) Typical semester offered, SLOs, and Topical Course Outline were added (info was not transferred when CIM was implemented). 3) Course description was cleaned up.

Change Item Description	**Old**	**New**
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Use of cutting-edge materials and emerging capabilities that utilize the coordination of information, automation, computation, software, sensing and networking. Includes discussion of product data management, flexible manufacturing, manufacturability, and product life-cycle management.	Use of cutting-edge materials and emerging capabilities that utilize the coordination of information, automation, computation, software, sensing, and networking. Includes discussion of product data management, flexible manufacturing, manufacturability, and product life-cycle management.

ENGR 446: Writing for Design Projects	**1**	**Course Modification - Passed**	**Bardo | Gurka**

UCC Discussion: 1) Course description was updated to better reflect the content in the class. 2) Academic engagement minutes and student preparation minutes were filled in (info was not transferred when CIM was implemented). 3) Typical semester offered, SLOs, and Topical Course Outline were added (info was not transferred when CIM was implemented).

Change Item Description	**Old**	**New**
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Communication of professional writing to the technical and non-technical audience. Skills are developed to analyze rhetorical situations and compose documents that achieve a specific purpose and meet the needs of a particular audience. Writing with clarity, conciseness and correctness will be emphasized.	Communication of engineering designs to technical and non-technical audiences. Development of skills to document a problem and describe a design and its evaluation against design criteria. Design reports are created to describe senior design projects. Other course elements include composing technical and non-technical documents that meet the needs of particular audiences, as well as clear, concise, and correct writing.

ENGR 426: Manufacturing Processes and Systems	**3**	**Course Inactivation - Passed**	**Gurka | Bardo**

UCC Discussion: ENGR 426 was restructured into ENGR 225 to ensure students had the knowledge prior to taking their senior capstone course for the 2014-2015 program sheet. This coincided with a reorganization of the Mechanical Engineering Technology degree for ABET accreditation. ENGR 426 has not been taught since fall 2017.

Change Item Description	Department Justification
Delete Proposal: No differences to report	ENGR 426 was replaced with ENGR 225 on the 2014-2015 program sheet. This change coincided with a reorganization of the Mechanical Engineering Technology degree for ABET accreditation. The 400-level course was restructured into a 200-level course to ensure students had the knowledge prior to taking their senior capstone course. ENGR 426 was taught through fall 2017 to accommodate students on older program sheets and has not been taught since then. All content covered in ENGR 426 is now covered in ENGR 225.

ARTA 327: Sound Design and Post-Production	**3**	**Course Modification - Passed**	**Bardo | Gurka**

UCC Discussion: Removing the pre-requisite courses ARTA 322 because it is a photo class that does not affect this course. Removing ARTA 325 from the pre-req list because the course is frequently not offered. Additionally, the skills taught in 322 and 325 are not necessary for this class.

Change Item Description	Old	New
Prerequisites:	ARTA 322, ARTA 324, ARTA 325, and ARTA 326	ARTA 324 and ARTA 326

KINE 213: Applications of Physical Fitness and Exercise Prescription	**3**	**Course Modification - Passed**	**Bardo | Gurka**

UCC Discussion: Minor description update. Adding KINE 200 Foundations of Kinesiology as a prerequisite that may be taken concurrently. It will be suggested that Majors take KINE 200 early in their program and before they begin to progress through the program. It is appropriate for KINE 213 students to have this either before or during their KINE 213 course. Typical semester offered, SLOs, and Topical Course Outline were added as this info was not transferred when CIM was implemented.

Change Item Description	Old	New
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Exercise program design and prescription to meet individual needs, assess existing exercise programs, and evaluation of the effectiveness. Major components of cardio-respiratory endurance, muscular strength, muscular endurance, flexibility, and body composition discussed in detail.	Exercise program design and prescription to meet individual needs, including assessment of existing exercise programs and evaluation of their effectiveness. Major components of cardio-respiratory endurance, muscular strength, muscular endurance, flexibility, and body composition discussed in detail.
Prerequisites:	KINE 100	KINE 100; KINE 200 (may be taken concurrently)

MASS 342: Photojournalism I	**3**	**Course Modification - Passed**	**Gurka | Bardo**

UCC Discussion: 1) Removal of pre-req of MASS 213 because the class does not cover principles of photography, and all necessary information for course is covered in the MASS 342 Photojournalism 1 course as introduction to photojournalism. 2) Academic engagement minutes and student preparation minutes were filled in (info was not transferred when CIM was implemented). 3)Typical semester offered, SLOs, and Topical Course Outline were added as this info was not transferred when CIM was implemented.

Change Item Description	**Old**	**New**
Prerequisites:	MASS 213 or permission of instructor	

PHYS 311: Electromagnetic Theory I	**3**	**Course Modification - Passed**	**Gurka | Bardo**

UCC Discussion: 1) The mathematics requirements for this course are too restrictive. While the course relies heavily on Calc III (Math 253) topics, differential equations (MATH 236 or 260) is not required for success in the class. This change will allow physics majors the ability to enroll in PHYS 311 earlier. This change will also allow Chemistry majors that may be interested in an upper-level physics class to enroll, as the chemistry degree requires Calc III but not differential equations. 2) Typical semester offered, SLOs, and Topical Course Outline were added (info was not transferred when CIM was implemented).3) Engagement and preparation minutes missing from CIM.

Change Item Description	**Old**	**New**
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	A mature study of electromagnetic fields. Electrostatics and magnetostatics presented. Special techniques, including multipole expansion of fields, analyzed. Electrodynamics introduced leading to Maxwell's equations.	Mature study of electromagnetic fields. Electrostatics and magnetostatics presented. Special techniques, including multipole expansion of fields, analyzed. Electrodynamics introduced leading to Maxwell's equations.
Prerequisites:	MATH 253; and MATH 260 or MATH 236; and PHYS 230 or PHYS 231	MATH 253; and PHYS 230 or PHYS 231

PHYS 362: Statistical and Thermal Physics	**3**	**Course Modification - Passed**	**Gurka | Bardo**

UCC Discussion: 1) The mathematics requirements for this course are too restrictive. Differential equations (MATH 236 or 260) are not used at all in the course. Calculus II and small amounts of Calculus III are used, and thus the math prereq is being changed to Calc III (Math 253). This change will allow physics majors the ability to enroll in PHYS 362 earlier. This change will also allow Chemistry majors that may be interested in an upper-level physics class to enroll, as the chemistry degree requires Calc III but not differential equations. 2) Typical semester offered, SLOs, and Topical Course Outline were added (info was not transferred when CIM was implemented). 3) Engagement and preparation minutes missing from CIM.

Change Item Description	**Old**	**New**
Prerequisites:	PHYS 230 or CHEM 321; and MATH 236 or MATH 260	CHEM 321 or PHYS 230; and MATH 253