

Undergraduate Curriculum Committee
Meeting Minutes
March 17, 2022
via Zoom

Members Present: Eric Elliott, Denise McKenney, Geoffrey Gurka, Dan Schultz-Ela, Sarah Lanci, Olga Grisak, Sean Phelps for Sloane Milstein, Elaine Venter, Sean Flanigan, Brian Hosterman, Tiffany Kragnes, Nick Bardo, Wayne Smith

Members Absent:

Guests Present: Nathan Perry, Catherine Whiting

Ex-officio members present: Maggie Bodyfelt, Morgan Bridge, Amber D’Ambrosio, Johanna Varner, Curt Martin

Recording Secretary: Aaron Osborne

Chair Elliott called the meeting to order at 3:30.

I. Announcements

- A. Chair Elliott reminded the committee that Courses/Programs in CIM will be approved this year, even if not approved at this meeting.
- B. Chair Elliott asked for a vote on whether to hold the April meeting in person or via Zoom. The committee voted and the April meeting will be held via Zoom.

II. Ex-Officio Reports

- A. Associate Vice President of Academic Affairs for Assessment and Accreditation
 - 1. Nothing
- B. Registrar’s Office
 - 1. Nothing
- C. Financial Aid Deputy Director Martin
 - 1. Nothing
- D. Librarian D’Ambrosio
 - 1. Nothing
- E. Catalog Description Reviewer Varner
 - 1. Nothing
- F. Essential Learning
 - 1. Nothing

III. Curriculum Proposals

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

IV. Old Business

A. None

V. Information Items

A. None

VI. New Business

- A. Dr. Ayers is proposing the following to address the issue, primarily in the sciences, where a student takes many hours of EL Science courses, since several of the EL Science courses are required in the major. He is suggesting the following addition to the curriculum manual.
1. Programs requiring more than 10 credit hours of Essential Learning Natural Sciences classes may specify courses in the Natural Sciences category, provided there are at least 10 credits of Natural Sciences Essential Learning classes remaining in the Foundation or Major requirements section of the program.

Gurka moved and Bardo seconded adjourning the meeting. With no objections from the committee, Chair Elliott adjourned the meeting at 3:52pm.

Respectfully submitted by Aaron Osborne, March 21, 2022.

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

Proposal	Degree	Committee Action	Motion Second
3284: Animation, Film, Photography and Motion Design	BFA	Program Modification - Approved	Gurka Lanci

UCC Discussion: Lowered passing grade from B to C, updated the program overview, and revised the course plan. No other discussion.

Change Item Description

List all proposed changes to the program
Justify each proposed modification to the program

Department Justification

1) Lowering required pass grade from "B" to "C". | 2) Updating program overview. | 3) Revising the course plan
1) Lowering the required grade to a C would allow us to pass students who want to specialize in Film, but are not necessarily great at Animation, or students who want to focus on Animation, but are not amazing at Film or Photography. Another reason for this would be to strengthen the BFA program. Our plan is to eventually implement a Sophomore review to accept students into the BFA program. C students would be advised to finish in the BA Art degree, as opposed to the BFA. Students would be able to re-apply after strengthening their skills and modifying behavior based on the review process. This will also help foster a competitive environment from Freshman year, if students know they will need to submit to a portfolio review they will take their studies much more seriously and apply themselves to each class more rigorously.
| 2) We are rewriting the program overview to make it more accurate and exciting. Previous program overview was repetitive, not specific, and did not really reflect what our BFA has to offer. The new overview makes it clear what students will learn and explains how all three disciplines complement and enhance each other. | 3) We are revising the course plan to reflect which semesters certain courses are offered, because the current one is incorrect which causes confusion for the students during registration time, and as the primary advisor for the AFP program, having a correct course plan will help alleviate that confusion. No courses were deleted, they were just moved around.
From the start of my employment at CMU, Fall 2019, I have talked with the Art and Design department head Suzie Garner about shortening the name. She agreed that the name used to be Animation, Film, and Photo, and that motion design was added later which created a very long program name. This change does not affect any other department. Fall 2021 - 12/3/21 I have been discussing changing the required "B or Higher" grade policy with the other Animation, Film, and Photography Professors Jeff Gustafson and Forrest Zerbe throughout Fall semester 2021. I have also had similar conversations with Studio Art professors, Josh Butler and Kyoung Hwa Oh. Lowering the required grade to C will help reduce grade inflation.

Describe discussions about this proposal within the department and outcomes

M213: Jazz Studies	MNR	Program Modification - Approved	Gurka Bardo
UCC Discussion: Removed the requirement to take MUSA 368 Advanced Jazz Improvisation (2 credit hours) which lowers the total credit hours for this minor from 20 credits to 18 credits. Added an additional option for the History component: select from either MUSA 267 Jazz History and Literature or MUSA 266 History of Popular Music. Eliminated the requirements of 4 semester hours of “Combo” and 4 semester hours of “Large Jazz Performance Ensembles”, to be replaced by 6 semester hours of either Commercial Ensemble or Jazz Ensemble and specified that four (4) of the six (6) hours must be upper division credits.			
Change Item Description	Department Justification		
List all proposed changes to the program	1. Adding an additional option for the History component: select from either MUSA 267 or MUSA 266. 2. Providing an option to take either MUSA 267 Jazz History and Literature or MUSA 266 History of Popular Music 3. Removing the requirement to take MUSA 368 Advanced Jazz Improvisation (2 credit hours) which lowers the total credit hours for this minor from 20 credits to 18 credits 4. Elimination the requirements of four (4) semester hours of “Combo” and four (4) semester hours of “Large Jazz Performance Ensembles”, to be replaced by 6 semester hours of either Commercial Ensemble or Jazz Ensemble and specifying that four (4) of the six (6) hours must be upper division credits		
Justify each proposed modification to the program	1. Provides more flexibility for the student 2. This change will provide the student with more flexibility 3. The content provided in MUSA 268 Jazz Improvisation is sufficient for a student receiving a Jazz Studies Minor 4. The course previously called “Combo” was changed to Commercial Ensemble (MUSP 162) and is now considered a “large ensemble”; these changes maintain the integrity of significant large ensemble experience while providing more flexibility for the student (additional electives) and maintaining the correct number of upper division hours		
Describe discussions about this proposal within the department and outcomes	Discussed and approved by the Music Faculty on November 10, 2021.		

M211: Music - Vocal	MNR	Program Modification - Approved	Gurka Bardo
UCC Discussion: Removed MUSP 365 Vocal Performance Workshop (1 credit hour) from the minor bringing the Total Semester Credit Hours from 25 to 24. Removed vocal minor - Music Theatre (Track B). No other discussion.			
Change Item Description	Department Justification		
List all proposed changes to the program	1. Removal of vocal minor-Music Theatre (Track B). We will be keeping Track A. 2. Removed MUSP 365 Vocal Performance Workshop (1 credit hour) from the minor.		
Justify each proposed modification to the program	1. This minor was created before a Musical Theatre major existed. It no longer serves a purpose and clutters Degree Works, making advising more challenging. 2. This minor was one credit over the credit hour cap for a minor, so it was decided that MUSP 365 was the best course to be removed to bring the minor down to 24 credit hours.		

Describe discussions about this proposal within the department and outcomes

Discussed and approved by the Music Faculty on November 10, 2021. Discussed and approved with Dept Head on November 10, 2021.

M210: Music - Instrumental **MNR** **Program Modification -** **Gurka | Bardo**
Approved

UCC Discussion: Eliminated piano proficiency requirement that has not been enforced for many years. No other discussion.

<p>Change Item Description</p> <p>List all proposed changes to the program</p> <p>Justify each proposed modification to the program</p>	<p>Department Justification</p> <p>Piano proficiency has been eliminated.</p> <p>This piano proficiency requirement has not been enforced for many years and needs to be properly reflected in the program sheet. Music Faculty had understood that this proficiency requirement had been eliminated through the curriculum process several years ago.</p> <p>This was discussed and approved by the full Music Faculty on September 1, 2021.</p>
<p>Describe discussions about this proposal within the department and outcomes</p>	

3281: Music with Elective Studies in Business **BM** **Program Modification -** **Gurka | Bardo**
Approved

UCC Discussion: Added language to the Program-specific courses business restrictive electives section: 7-9 Credit Hours must be Upper Division (300-400 level). Added language to the Program-specific courses music electives section: 3 Electives must be Upper Division (300-400 level). Changed BUGB 349 (being phased out by the Business Department) to BUGB 231. No other discussion.

<p>Change Item Description</p> <p>List all proposed changes to the program</p>	<p>Department Justification</p> <p>1. Reflects course name changes from Course Modification proposals for MUSA 129 Diction 1: English and Italian and MUSA 229 Diction 2: German and French 2. Added language to the Program-specific courses business restrictive electives section: 7-9 Credit Hours must be Upper Division (300-400 level) 3. Added language to the Program-specific courses music electives section: 3 Electives must be Upper Division (300-400 level) 4. Changing BUGB 349 to BUGB 231</p>
<p>Justify each proposed modification to the program</p>	<p>1. Justification contained in Course Modification proposals 2. Due to changes in program it was necessary to require upper division business electives to fulfill the 40-credit hour upper division requirement 3. Due to changes in program it was necessary to require upper division business electives to fulfill the 40-credit hour upper division requirement. 4. BUGB 349 (Legal Environment of Business) is being phased out by the Business Department and replaced with BUGB 231 (Survey of Business Law).</p>
<p>Describe discussions about this proposal within the department and outcomes</p>	<p>These changes were discussed and approved by the Music Faculty on December 1, 2021.</p>

3287: Music Performance - Vocal Performance	BM	Program Modification - Approved	Gurka Bardo
UCC Discussion: Removed MUSA 438 (inactivated) and added 1 credit hour to General Electives so there is no change to total Semester Credit Hours. Added new SLOs required by university. No other discussion.			
Change Item Description	Department Justification		
List all proposed changes to the program	1. Elimination of MUSA 438 Diction 3: Russian 2. Addition of 1 credit hour to the General Electives 3. Adjust SLOs to include the two newest SLOs		
Justify each proposed modification to the program	1. Course Inactivation Proposal has been submitted for MUSA 438 Diction 3: Russian which will no longer be offered 2. The elimination of MUSA 438 requires the addition of 1 credit hour in the program 3. New SLOs updates were required by university.		
Describe discussions about this proposal within the department and outcomes	The Music Department discussed and approved these changes on November 10, 2021.		

: Arts Media Communication	PCT	Program Addition - Approved	Gurka Lanci
UCC Discussion: New academic and professional world bridging program created to fill need across the state of Colorado for art and culture news/communications and grant writing. No other discussion.			
Change Item Description	Department Justification		
New Proposal: No differences to report	A recent Colorado Media Project found that Colorado is exploding with Arts & Culture, but that many Coloradans feel they aren't getting the news they need about it (https://coloradomediaproject.com/arts-culture). Enter the Mass Communication Program Arts Journalism Certificate. The courses within this certificate will help students meet job demands both within the media industry and outside of it. Many media publications support opportunities for writing about the arts, from national publications like the New York Times to regional and local media companies like The Daily Sentinel, KJCT8 and KAFM. Additionally, the certificate offers opportunities for those who already work in the arts industries (such as galleries, theater companies, etc.) to learn effective skills for marketing their work. There is also an option for interested students to pursue learning the basics of grant writing, an essential skill for those in the non-profit industry.		

Effective Term - Summer 2022	Courses
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The following is a summary: Additional information can be found on the individual curriculum proposals.

Proposal	Committee Action	Motion Second
<p>ARTA 123: Lights! Camera! Action!</p> <p>UCC Discussion: Rewrote the description to flow better and provide an accurate representation of what students do in the class. Removed 'Character design' from the course because there is a separate class that focuses on character design. Changed the Instructional Activity to Mixed Methods to align the course with current classification of all studio art classes. No other discussion.</p> <p>Change Item Description</p> <p>Type of Instructional Activity: Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):</p> <p>Lab:</p> <p>Field/Studio/Other:</p> <p>Academic engagement minutes per term:</p> <p>Student preparation minutes for a term:</p>	<p>Course Modification - Approved</p> <p>Old</p> <p>Lecture/Lab: Vocational/Tech Exploration of fundamental components of animation, digital filmmaking, and motion design. Students explore character design, styles of animation, digital filmmaking, and motion design while focusing on the elements of light, sound, and motion as key time-based design factors. Individual and group projects.</p> <p>4</p>	<p>Flanigan Gurka</p> <p>New</p> <p>Mixed Instructional Method Exploration of fundamental components of digital design and time-based media, such as photography, animation, digital filmmaking, and motion design. Students focus on the elements of light, sound, and motion as key time-based design factors. Individual and group projects.</p> <p>4</p> <p>3750</p> <p>3000</p>

<p>ARTA 224: Principles of Film</p> <p>UCC Discussion: Removing 'Motion Design' from title, as motion design content is actually taught in another course, ARTA 223 Image and Motion. The new description removes irrelevant content taught in the history of graphic design class and animation specific courses. Updated the instructional activity to Mixed Methods to align with all other studio art courses. No other discussion.</p> <p>Change Item Description</p> <p>Course name:</p> <p>Type of Instructional Activity: Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):</p>	<p>Course Modification - Approved</p> <p>Old</p> <p>Principles of Film and Motion Design Lecture/Lab: Vocational/Tech Exploration of motion design and time-based visual imagery. Includes history of motion design, application of motion design as visual communication, and the integration of animation, film, images, typography, and sound. Current trends in motion design media and technologies.</p>	<p>Flanigan Gurka</p> <p>New</p> <p>Principles of Film Mixed Instructional Method Introduction to various stages of film production. Emphasis on screenwriting, planning and scheduling, cameras, lenses, lighting, and editing.</p>
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Course abbreviated schedule name:	Princ of Film/Motion Design	Principles of Film
Lab:	4	
Field/Studio/Other:		4
Academic engagement minutes per term:		3750
Student preparation minutes for a term:		3000

ARTA 323: Character Design and Story Concepts	Course Modification - Approved	Flanigan Gurka
UCC Discussion: Revised description to reflect more accurately course topics. Removed statement, “It is also an area of specialization within time-based media” from description because it is redundant and unnecessary. Instructional activity updated to align with all other studio art courses. No other discussion.		

Change Item Description	Old	New
Type of Instructional Activity:	Lecture/Lab: Vocational/Tech	Mixed Instructional Method
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Animators, filmmakers, and motion designers tell stories. Stories have scripts, characters, props, and environments. This course is designed to guide students in developing their stories, characters, and the related content. It is also an area of specialization within time-based media.	In-depth exploration of the power of story and how it influences the design process. World building through character design and concept art for animation, live-action, comics, and video games. Individual and collaborative projects.
Course abbreviated schedule name:	Char Design/Story Concepts	Character Design/Story Concept
Lab:	4	
Field/Studio/Other:		4
Academic engagement minutes per term:		3750
Student preparation minutes for a term:		3000

ARTA 324: Animation Production	Course Modification - Approved	Flanigan Gurka
UCC Discussion: Removed "2D" from the title to be more inclusive of all forms of animation production. Add "advanced" to the description to set the expectations of an upper-level course. No other discussion.		
Change Item Description	Old	New
Course name:	2D Animation Production	Animation Production
Course abbreviated schedule name:	2D Animation Production	Animation Production
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Development of a personal aesthetic through individual or collaborative short animations and character performances, based on original concepts and stories. Involves Storyboarding, Pre-Production, and Post-Production.	Development of a personal aesthetic through advanced individual or collaborative short animations and character performances, based on original concepts and stories. Involves storyboarding, pre-production, and post-production.

CHEM 121: Principles of Chemistry-GTSC1	Course Modification - Approved	Lanci Kragnes
UCC Discussion: The course description was changed to exclude science majors. This course is currently intended for non-science majors. Added course SLOs, essential learning outcomes, and topical outline to CIM, no actual changes made. No other discussion.		
Change Item Description	Old	New
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Introduction to fundamental principles of chemistry. Designed for students planning a major in science as well as students with a non-science major. Topics include atomic structure, bonding, periodic table, gas laws, mass relationships, solution theory, oxidation-reduction, electrochemistry, and ionic equilibrium. Four lectures and one three-hour lab per week.	Introduction to fundamental principles of chemistry. Designed for students planning a non-science major. Topics include atomic structure, bonding, periodic table, gas laws, mass relationships, solution theory, oxidation-reduction, electrochemistry, and ionic equilibrium. Four lectures and one three-hour lab per week.
CSCI 111: CS1: Foundations of Computer Science		
Course Modification - Approved		
Lanci Gurka		
UCC Discussion: Course description was modified to add additional topics related to software development version control systems. Changed prerequisite from CSCI 100 or MATH 113 to CSCI 110 or MATH 113 or MATH 119a to accommodate the new MATH 113 to MATH 119a and 119b sequence. Topical course outline and SLOs were completed as these did not carry over from the old course management system. No other discussion.		
Change Item Description	Old	New
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Introduction to problem solving techniques with emphasis on modularity, abstraction, analysis, and correctness of algorithm design. Using C/C++ language as a tool, topics covered include data types, control structures, I/O, and functions.	Introduction to problem solving techniques with emphasis on modularity, abstraction, analysis, and correctness of algorithm design. Using C/C++ language as a tool. Topics covered include data types, version control, Makefile, control structures, I/O, pointers, dynamic memory, functions, unit testing, debugging, structs. CSCI 110 or MATH 113 or MATH 119a
Prerequisites:	CSCI 110 or MATH 113	

CSCI 310: Advanced Programming	Course Modification - Approved	Lanci Gurka
UCC Discussion: Prerequisite changed to remove the course as an option for students unprepared for the pace, concepts, and content covered. Course description was cleaned up to be clearer, the CISB major call-out was removed. No other discussion.		
Change Item Description	Old	New
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Exploration of a higher level programming language for CSCI/CISB majors. Specifics will vary with the language covered.	Exploration of higher-level programming languages and advanced concepts for CSCI majors. Specifics will vary with the language covered.
Prerequisites:	CSCI 111 or CSCI 110 or CSCI 130	CSCI 250 and MATH 151
Academic engagement minutes per term:		750-2250
Student preparation minutes for a term:		1500-4500
Please provide justification for repeatability:		Even though courses use same number, the course and topics will vary from language to language covered and therefore they are essentially different courses. Minimum of 4 credit hours is required for BS in CS program. The repeatability of three times has not changed.

CSCI 420: Software Security	Course Modification - Approved	Lanci Gurka
UCC Discussion: Cyber Security is a bit broader name for this course. Software Security would be more appropriate name based on the content of the course. Added course SLOs and topical outline to CIM, no actual changes made. Course description has been worded to reflect the new title and made more generic by removing specific technique such as "Man in the middle attacks". The course contents is staying the same. No other discussion.		
Change Item Description	Old	New
Course name:	Cyber Security	Software Security
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Exploration of various common security flaws in programs and systems written in C and C++ programming languages. Topics include Linux commands, shell scripting, C, Buffer overflow, exploits, Man in the Middle attacks, and red and blue team exercises. Students will learn how to find various vulnerabilities such as buffer overflow and write simple exploits to take advantages of the vulnerabilities.	Exploration of various common security flaws in software and systems written in C/C++ programming languages. Topics include Linux commands, Bash and Python scripting, Buffer overflow, exploits and CTFs exercises. Students will learn to find flaws and write exploit code to take advantages of the vulnerabilities as well as various mitigation techniques.

Course abbreviated schedule name:

Cyber Security

Software Security

ECON 201: Principles of Macroeconomics-GTSS1

Course Modification - Approved

Gurka | Bardo

UCC Discussion: Course description modified to contain information about the course. Prerequisite moved from being a statement in the course description to be specifically stated in "Prerequisite" field, which follows standard curriculum guidelines. No other discussion.

Change Item Description

Old

New

Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):

Basic concepts of economics. Courses must be taken in sequence and are not open to freshmen.

Introduction to basic methods of economic analysis and modelling, knowledge of the "language" of economics, and comprehension of the basic principles of supply and demand, inflation, unemployment, economic growth, fiscal policy, monetary policy, and applications to modern economic thought and practice. These economic principles will become apparent in current events, and will be used to interpret/critique real world arguments.
Sophomore Standing

Prerequisites:

ECON 202: Principles of Microeconomics-GTSS1

Course Modification - Approved

Gurka | Bardo

UCC Discussion: Course description modified to contain information about the course. Prerequisite moved from being a statement in the course description to be specifically stated in "Prerequisite" field, which follows standard curriculum guidelines. No other discussion.

Change Item Description

Old

New

Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):

Basic concepts of economics. Courses must be taken in sequence and are not open to freshmen.

Introduction to basic principles of supply and demand, elasticity of demand, marginal analysis, market structure, pricing and efficiency, consumer, producer, and worker behaviors, and market failures. These economic principles will become apparent in current events, specifically in the areas of taxation, the labor market, externalities, and public goods, and will be used to interpret/critique real world arguments.
ECON 201

Prerequisites:

ENGR 333: Lean Principles	Course Addition - Approved	Lanci Gurka
UCC Discussion: A popular topics course that will continue to be offered as a restricted elective for the BS MET program. No other discussion.		
Change Item Description	Departmental Justification	
New Proposal: No differences to report	<p>Taught twice as a 396 Topics course. The course will continue to be offered as a restricted elective for the BS MET program. Lean principles are utilized in various business sectors and industries from the medical professions to manufacturing. Lean was developed and perfected in Japan from the 1950s to 1980s, and especially by Toyota Motors Manufacturing. The introduction of lean initiatives to North American manufacturing has been rocky with examples of successes and failures. This course focuses mainly on lean principles in manufacturing but does explore some examples showing how it can be applied in various settings from fast food preparation to organization at home. Some of the principles explored are muda (waste), 5S (sort, set in order, shine, standardize, and sustain), standardized work, just-in-time manufacturing, kanban (point of use tools/materials), jidoka (error proofing), and hoshin (planning). Students that enter the workforce with a foundational understanding of these principles will be able to recognize and contribute to an existing lean culture at their employer. Or, recognizing areas where lean can help, introduce the concepts to their employer. Enrollment: • Spring 2021 = 24 (mix of juniors and seniors – 1st time offered) • Spring 2022 = 11 (more juniors)* ...See more in CIM proposal</p>	
ENVS 331: Water Quality	Course Modification - Approved	Lanci Kragnes
UCC Discussion: CHEM 121 is sufficient as a pre-req for this course (i.e. no need for CHEM 132). Adding course SLOs and topical outline to CIM, no actual changes made. No other discussion.		
Change Item Description	Old	New
Prerequisites:	CHEM 121 or CHEM 132, and STAT 200	CHEM 121 or higher; and STAT 200
ENVS 331L: Water Quality Laboratory	Course Modification - Approved	Lanci Kragnes
UCC Discussion: CHEM 121 is sufficient as a pre-req for this course (i.e. no need for CHEM 132). Added course SLOs and topical outline to CIM, no actual changes made. Updated course description to match lecture course. No other discussion.		
Change Item Description	Old	New
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Lab component required for ENVS 331.	Physical, chemical, and biological properties of aquatic systems. Includes movement of water in the watershed, stream classification and stability, lake circulation, aquatic ecology, chemistry and biology of natural and polluted waters, water quality monitoring, regulation

Prerequisites:	CHEM 121 or CHEM 132, and STAT 200	and protection of surface water, and watershed assessment and management. Lab focuses on practical skills and field measurements culminating in an assessment of a local watershed. Lab component required for ENVS 331. CHEM 121 or higher; and STAT 200
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ENVS 492: Capstone in Environmental Science and Technology	Course Modification - Approved	Lanci Kragnes
<p>UCC Discussion: Credit hours increased from 2 to 3 because the expectations for students' class deliverables to their project clients have increased. Changed Instructional Activity from Lecture/Lab to just Lecture: Over the years, we incorporated a lot more lecture materials/work associated with lecture to the class, students also use the lecture times to complete four exit exams. No other discussion.</p>		
Change Item Description	Old	New
Type of Instructional Activity:	Lecture/Lab: Vocational/Tech	Lecture
Prerequisites:	Senior standing or permission of instructor	Senior standing
Credit hours:	2	3
Lecture:	1	3
Lab:	2	
Academic engagement minutes per term:		2250
Student preparation minutes for a term:		4500

GEOL 414: Hydrology and River Dynamics	Course Addition - Approved	Gurka Lanci
<p>UCC Discussion: Merged course content from GEOL 355: Basic Hydrology and GEOL 455/455L: River Dynamics to expand the breadth of water knowledge in conjunction with GEOL 415/415L: Groundwater. No other discussion.</p>		

Change Item Description	Departmental Justification
New Proposal: No differences to report	The merging of one required course (GEOL 355: Basic Hydrology) and one elective course and lab (GEOL 455/455L: River Dynamics) into GEOL 414/414L (Hydrology and River Dynamics) increases the breadth of required knowledge content for BS Environmental Geology majors and Watershed Science minors. The merger will also accommodate the addition of GEOL 415/415L: Groundwater and Groundwater Lab as a required class for the Watershed Science minor. Water experts are in high demand. Expanding the breadth of water knowledge for majors and minors will expand employment opportunities and add value to their college degree in the employment market.

GEOL 414L: Hydrology and River Dynamics Laboratory	Course Addition - Approved	Gurka Lanci
UCC Discussion: Merged course content from GEOL 355: Basic Hydrology and GEOL 455/455L: River Dynamics to expand the breadth of water knowledge in conjunction with GEOL 415/415L: Groundwater. No other discussion.		

Change Item Description	Departmental Justification
New Proposal: No differences to report	The merging of one required course (GEOL 355: Basic Hydrology) and one elective course and lab (GEOL 455/455L: River Dynamics) into GEOL 414/414L (Hydrology and River Dynamics) increases the breadth of required knowledge content for BS Environmental Geology majors and Watershed Science minors. The merger will also accommodate the addition of GEOL 415/415L: Groundwater and Groundwater Lab as a required class for the Watershed Science minor. Water experts are in high demand. Expanding the breadth of water knowledge for majors and minors will expand employment opportunities and add value to their college degree in the employment market.

MATH 105: Elements of Mathematics I	Course Modification - Approved	Lanci Bardo
UCC Discussion: Added existing course SLOs and topical outline to CIM, no actual changes made. No other discussion.		

MATH 113: College Algebra-GTMA1	Course Modification - Approved	Lanci Bardo
UCC Discussion: The modifications to this course are part of the larger redesign process of the intro-level (Essential Learning) math courses. Currently, MATH 113: College Algebra tries to serve many purposes for many different programs, including preparing STEM majors for Precalculus and eventually Calculus while being the first course for quantitative literacy and last course in mathematics for many others (BS, BBA, BSN, etc.). The emphasis will shift to modeling, applications, and data analysis. The goal of the redesigned course is to include problem solving in meaningful contexts by incorporating examples specific to the various disciplines requiring the course. Thus, some content will be adjusted to allow time for building connections between the necessary algebraic skills and the applications and concepts relevant to students in programs requiring MATH 113. With these modifications, MATH 113: College Algebra will still meet the state-wide Guaranteed Transfer (GT-Pathways) requirements. The course should continue to transfer as a college algebra course with the awareness that students going on to calculus will need at least one more prep course (e.g. precalculus). No other discussion.		

Change Item Description	Old	New
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	College-level treatment of algebra. Topics include algebraic properties of the integers, rationals, real and complex numbers; techniques for manipulation of expressions; techniques for solving linear, non-linear, absolute value equations, and inequalities; techniques for solving systems	Approach to algebra with an emphasis on functions, modeling, and applications. Topics include properties and graphs of linear, polynomial, rational, exponential, logarithmic, and inverse functions; solving equations, inequalities and systems of linear equations; interpreting

<p>Include 2-3 sentences describing how the course will meet EL Student Learning Outcome 5.</p>	<p>of equations; the Cartesian plane, relations and functions; properties and graphs of polynomial, rational, exponential, logarithmic and inverse functions; conic sections.</p> <p>This course is already an approved Essential Learning and GT Pathways course. No changes to the course content are being proposed at this time.</p>	<p>data and graphs. Technology tools will be utilized in addition to analytical methods.</p> <p>As a math course, the course focus is quantitative literacy through analytical and logical thinking and processes. A take-home course activity will be used to assess Outcome 5. This course is already an approved Essential Learning and GT Pathways course. No changes to the course content are being proposed at this time.</p>
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MATH 113R: College Algebra with Review Course Addition - Approved Lanci | Gurka

UCC Discussion: This is an alternative to the course, MATH 113: College Algebra. MATH 113R covers the same content as MATH 113 but meets for more hours in order to incorporate review and individual in-class help. The MATH 113R course will be for students whose test score placement is just below the typical cut-off for MATH 113 but who have other indicators of potential for success. No other discussion.

Change Item Description	Departmental Justification
<p>New Proposal: No differences to report</p>	<p>This is an alternative to the course, MATH 113: College Algebra. MATH 113R covers the same content as MATH 113 but meets for more hours in order to incorporate review and individual in-class help. The MATH 113R course will be for students whose test score placement is just below the typical cut-off for MATH 113 but who have other indicators of potential for success. There is a new state mandate that no more than 10% of incoming students can be enrolled in stand-alone developmental education courses (including math and english). The MATH 113R course will allow students who typically would have been required to take dev ed math (MATC 092: Foundations of Algebra) to instead take and find success in a credit-bearing math course that counts for their major. MATH 113R is also open to students who pass MATC 092 but desire more time and practice in their MATH 113 course (e.g. students who earn a C in MATC 092). Other options considered included creating a 1-credit corequisite review course, however, after several semesters of piloting various versions of delivering the supplemental help, we have determined that creating one 5-credit course would be the best approach. This course will count the same as MATH 113: College Algebra in all places that MATH 113 is required.</p>

MATH 131: Applied Calculus	Course Addition - Approved	Lanci Gurka
UCC Discussion: New course created for students who would have typically enrolled in either MATH 146: Calculus for Biological Sciences (5 credits) or MATH 121: Calculus for Business (3 credits) will be encouraged/directed to take MATH 131: Applied Calculus (4 credits). No other discussion.		
Change Item Description	Departmental Justification	
New Proposal: No differences to report	The creation of MATH 131: Applied Calculus was the result of a desire to modify MATH 146: Calculus for Biological Sciences to an extent that required a new course number. A new name and change to course credits will allow the course to appeal to a broader audience of students, and will help us to market the course to other programs. The course MATH 146: Calculus for Biological Sciences (5 credits) will be inactivated and MATH 121: Calculus for Business (3 credits) will no longer be offered (note MATH 121 is not on the any business program sheets). Students who typically enroll in either of those courses will be encouraged/directed to take MATH 131: Applied Calculus (4 credits).	

MATH 150: Topics and Careers in Mathematics	Course Modification - Approved	Lanci Bardo
UCC Discussion: Delete MATH 146: Calculus for Biological Sciences (5 credits) from the prerequisite list and replace it with MATH 131: Applied Calculus (4 credits). MATH 146 will no longer be offered as it is being replaced by the new calculus course MATH 131. No other discussion.		
Change Item Description	Old	New
Prerequisites:	MATH 151 or MATH 135 or MATH 146 (any of these courses may be taken concurrently with MATH 150)	MATH 151 or MATH 135 or MATH 131 (any of these courses may be taken concurrently with MATH 150)
Academic engagement minutes per term:		750
Student preparation minutes for a term:		1500

MATH 205: Elements of Mathematics II-GTMA1	Course Modification - Approved	Lanci Bardo
UCC Discussion: Adjusted course description to be in line with the course description guidelines. Removed "...or permission of instructor" from the prerequisite. No other discussion.		
Change Item Description	Old	New
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Decimal numbers, probability, statistics, geometry, and the metric system. A continuation of MATH 105 designed for the prospective elementary teacher.	Continuation of MATH 105 designed for the prospective elementary teacher. Topics include decimal numbers, probability, statistics, geometry, and the metric system.
Prerequisites:	MATH 105 or permission of instructor	MATH 105

MATH 225: Computational Linear Algebra	Course Modification - Approved	Lanci Bardo
UCC Discussion: Deleted MATH 146: Calculus for Biological Sciences (5 credits) from the prerequisite list and replaced it with MATH 131: Applied Calculus (4 credits). MATH 146 will no longer be offered as it is being replaced by the new course MATH 131. No other discussion.		
Change Item Description	Old	New
Prerequisites:	MATH 151 or MATH 135 or MATH 146	MATH 151 or MATH 135 or MATH 131
MATH 301: Mathematics for Elementary Teachers	Course Modification - Approved	Lanci Bardo
UCC Discussion: Adding course SLOs and topical outline to CIM, no actual changes made. No other discussion.		
Change Item Description	Old	New
Prerequisites:	MATH 205 and formal acceptance into the Teacher Education Program, or permission of instructor	MATH 205 and formal acceptance into the Teacher Education Program
MATH 305: Discovering Geometry	Course Modification - Approved	Lanci Bardo
UCC Discussion: Removed MATH 151: Calculus I or MATH 146: Calculus for Biological Sciences (5 credits) from the prerequisite list. Edited outdated course description to add detail to the topics covered. Edited course name to Discovering Geometry to make the focus and the audience (elementary educators) for the course clearer. No other discussion.		
Change Item Description	Old	New
Course name:	Euclidean Geometry	Discovering Geometry
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Development of Euclidean Geometry. Topics include basic concepts of logic, axiomatic proofs, inductive reasoning, analytic geometry, applications of technology, and van Hiele levels of learning. Intended for students seeking elementary teacher licensure.	Development of Euclidean Geometry through exploration and inductive reasoning. Basic concepts of proofs are introduced. Topics include angles and shapes; constructions; perimeter, area, and volume; congruence and similarity conditions; symmetry and tessellations; and applications of technology. Intended for students seeking elementary teacher licensure.
Course abbreviated schedule name:	Euclidean Geometry	Discovering Geometry
Prerequisites:	MATH 301, and MATH 151 or MATH 146	MATH 301

MATH 389: Explorations in Mathematics for Elementary Educators	Course Modification - Approved	Lanci Bardo
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UCC Discussion: This is a required course in the 3491: Liberal Arts, Elementary Education: Mathematics program and students in that program have a state mandated minimum number of math content hours required. One math content hour was eliminated from the program with the replacement of MATH 146: Calculus for Biological Sciences with MATH 131: Applied Calculus. MATH 389 is a natural choice for the additional hour/credit needed in the program. The content can easily be extended to account for the added credit. Course description was modified for clarity at the suggestion of the course description reviewer. No other discussion.

Change Item Description	Old	New
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Broadening of future elementary educators' exposure to, and understanding of, diverse fields of mathematics through directed readings, analysis, and discussion.	Exploration of diverse topics and fields of mathematics to broaden the perspectives of future elementary educators. Exposure to and a deeper understanding of a wide variety of topics will be established through directed readings, explorations, and discussions.
Prerequisites:	MATH 301 and permission of instructor	MATH 301
Credit hours:	1	2
Lecture:	1	2
Total Contact Hours:	1	2
Academic engagement minutes per term:		1500
Student preparation minutes for a term:		3000

The following clerical change switches language content between MUSA 129: Singer's Diction I: English and Italian and MUSA 229: Singer's Diction II: German and French to facilitate a better sequential learning flow. Voice Performance and Music Education majors will take all 4 languages: English, Italian, German, and French during the MUSA 129 and 229 sequence, so changing the order of the languages will not impact them significantly. Changing from English and German to English and Italian during the first semester of Diction (MUSA 129) will serve our majors since singers enrolled in voice lessons usually begin their exploration of classical foreign language art songs in Italian first. The International Phonetic Alphabet is still the main focus of both MUSA 129 and 229 but it will be applied to the Italian language first rather than the German language first in MUSA 129. Music majors or minors who are required to only take one semester of Diction will learn how to use the International Phonetic Alphabet to pronounce foreign Romance languages regardless of the section they take. No other discussion.

MUSA 129: Singer's Diction I: English and Italian	Course Modification - Approved	Lanci Gurka
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Change Item Description	Old	New
Course name:	Singer's Diction I: English and German	Singer's Diction I: English and Italian

Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Study of the International Phonetic Alphabet (IPA) and its use in the pronunciation of lyric diction for English and German.	Study of the International Phonetic Alphabet (IPA) and its use in the pronunciation of lyric diction for English and Italian.
Course abbreviated schedule name:	Diction I: English and German	Diction I: English and Italian

MUSA 229: Singer's Diction II: German and French	Course Modification - Approved	Lanci Gurka
Change Item Description	Old	New
Course name:	Singer's Diction II: Italian French	Singer's Diction II: German and French
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Study of the International Phonetic Alphabet (IPA) and its use in the pronunciation of lyric diction for French and Italian.	Study of the International Phonetic Alphabet (IPA) and its use in the pronunciation of lyric diction for German and French.
Course abbreviated schedule name:	Diction II: Italian French	Diction II: German French

MUSA 410: Vocal Pedagogy	Course Modification - Approved	Lanci Gurka
UCC Discussion: Corrected unquantifiable pre-requisites. No other discussion.		
Change Item Description	Old	New
Prerequisites:	MUSA 137 or previous or concurrent enrollment in private vocal studies	MUSA 137 or MUSL 137

In MUSP 147, 247, 347, and 447 class meeting time and previous experience statements were removed from the Course Description to align with the Curriculum Manual. Added "Audition or consent of instructor required" from course description to prerequisite field, to call out that as a prerequisite (done by Registrar's Office). No other discussion.

MUSP 147: Marching Band	Course Modification - Approved	Lanci Gurka
Change Item Description	Old	New
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Rehearsal and presentation of musical and physical performance proficiencies. Specific skills associated with self-discipline, leadership, and individual and ensemble performance are developed. Advanced practice in physical alignment, balance, endurance, flexibility, and strength in technical competency. Available to all university students. Offered every fall semester.	Rehearsal and presentation of musical and physical performance proficiencies. Specific skills associated with self-discipline, leadership, and individual and ensemble performance are developed. Advanced practice in physical alignment, balance, endurance, flexibility, and strength in technical competency. Available to all university students. Only MUSP 147 counts as a KINA

	Monday/Wednesday/Friday 6:00-8:00 p.m., football practice field. Audition or consent of instructor required. Previous band experience highly recommended. Only MUSP 147 counts as a KINA activity credit.	activity credit. For first-year students.
Repeatable for credit:	Yes	No
Repeat limit	1	
Please explain change in repeatability:		Students will take the MUSP 147, 247 and 347 in sequence from 1st year through 3rd year. If their degree progress or plan takes them into a 5th year, only the 447 class (400 level) would need to be repeated.
Prerequisites:		Audition or consent of instructor required

MUSP 247: Marching Band	Course Modification - Approved	Lanci Gurka
Change Item Description	Old	New
Course description for the catalog (do not list pre-reqs, co- reqs, and terms typically offered):	Rehearsal and presentation of musical and physical performance proficiencies. Specific skills associated with self-discipline, leadership, and individual and ensemble performance are developed. Advanced practice in physical alignment, balance, endurance, flexibility, and strength in technical competency. Available to all university students. Offered every fall semester. Monday/Wednesday/Friday 6:00-8:00 p.m., football practice field. Audition or consent of instructor required. Previous band experience highly recommended. Only MUSP 147 counts as a KINA activity credit.	Rehearsal and presentation of musical and physical performance proficiencies. Specific skills associated with self-discipline, leadership, and individual and ensemble performance are developed. Advanced practice in physical alignment, balance, endurance, flexibility, and strength in technical competency. Available to all university students. Only MUSP 147 counts as a KINA activity credit. For second-year students.
Repeatable for credit:	Yes	No
Repeat limit	1	
Please explain change in repeatability:		Students will take the 147, 247 and 347 in sequence from 1st year through 3rd year. If their degree progress or plan takes them into a 5th year, only the

Prerequisites:

447 class (400 level) would need to be repeated.
Audition or consent of instructor required

MUSP 347: Marching Band	Course Modification - Approved	Lanci Gurka
Change Item Description	Old	New
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Rehearsal and presentation of musical and physical performance proficiencies. Specific skills associated with self-discipline, leadership, and individual and ensemble performance are developed. Advanced practice in physical alignment, balance, endurance, flexibility, and strength in technical competency. Available to all university students. Offered every fall semester. Monday/Wednesday/Friday 6:00-8:00 p.m., football practice field. Audition or consent of instructor required. Previous band experience highly recommended. Only MUSP 147 counts as a KINA activity credit.	Rehearsal and presentation of musical and physical performance proficiencies. Specific skills associated with self-discipline, leadership, and individual and ensemble performance are developed. Advanced practice in physical alignment, balance, endurance, flexibility, and strength in technical competency. Available to all university students. Only MUSP 147 counts as a KINA activity credit. For third-year students.
Repeatable for credit:	Yes	No
Repeat limit	1	
Please explain change in repeatability:		Students will take the 147, 247 and 347 in sequence from 1st year through 3rd year. If their degree progress or plan takes them into a 5th year, only the 447 class (400 level) would need to be repeated.
Prerequisites:		Audition or consent of instructor required

MUSP 447: Marching Band	Course Modification - Approved	Lanci Gurka
Change Item Description	Old	New
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Rehearsal and presentation of musical and physical performance proficiencies. Specific skills associated with self-discipline, leadership, and individual and ensemble	Rehearsal and presentation of musical and physical performance proficiencies. Specific skills associated with self-discipline, leadership, and individual and ensemble

performance are developed. Advanced practice in physical alignment, balance, endurance, flexibility, and strength in technical competency. Available to all university students. Offered every fall semester. Monday/Wednesday/Friday 6:00-8:00 p.m., football practice field. Audition or consent of instructor required. Previous band experience highly recommended. Only MUSP 147 counts as a KINA activity credit.

performance are developed. Advanced practice in physical alignment, balance, endurance, flexibility, and strength in technical competency. Available to all university students. Only MUSP 147 counts as a KINA activity credit. For fourth-year students.

Please provide justification for repeatability:

Students may enroll when part-time and need to enroll in the same section more than once based upon academic progress. Each semester the ensemble prepares different literature. 400-level ensembles are repeatable up to 4 times to allow for students who do not graduate in 4 years to continue to perform in ensembles.

Prerequisites:

Audition or consent of instructor required

In MUSP 159, 259, 359, and 459 ensemble name and description have been changed to reflect current choral program. The ensemble name has been changed to Vocal Chords for the purposes of identity, marketing and recruiting. The course content for Vocal Chords courses has not changed. No other discussion.

MUSP 159: Vocal Chords	Course Modification - Approved	Lanci Gurka
Change Item Description	Old	New
Course name: Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered): Prerequisites:	Vocal Jazz Ensemble Exploration of wide range of vocal literature. Performances given, both on and off campus. Permission of instructor	Vocal Chords Exploration of wide range of vocal literature. Performances given, both on and off campus. For first-year students. Permission of instructor via audition
Please provide justification for repeatability:		Like all music ensembles, students register for each level 2 times, once in the fall and once in the spring. Each semester the ensemble prepares different literature.

MUSP 259: Vocal Chords	Course Modification - Approved	Lanci Gurka
Change Item Description	Old	New
Course name:	Vocal Jazz Ensemble	Vocal Chords
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Exploration of wide range of vocal literature. Performances given, both on and off campus.	Exploration of wide range of vocal literature. Performances given, both on and off campus. For second-year students.
Course abbreviated schedule name:	Vocal Jazz Ensemble	Vocal Chords
Prerequisites:	Permission of instructor	Permission of instructor via audition
Please provide justification for repeatability:		Like all music ensembles, students register for each level 2 times, once in the fall and once in the spring. Each semester the ensemble prepares different literature.
MUSP 359: Vocal Chords	Course Modification - Approved	Lanci Gurka
Change Item Description	Old	New
Course name:	Vocal Jazz Ensemble	Vocal Chords
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Exploration of wide range of vocal literature. Performances given, both on and off campus.	Exploration of wide range of vocal literature. Performances given, both on and off campus. For third-year students.
Course abbreviated schedule name:	Vocal Jazz Ensemble	Vocal Chords
Prerequisites:	Permission of instructor	Permission of instructor via audition
Please provide justification for repeatability:		Like all music ensembles, students register for each level 2 times, once in the fall and once in the spring. Each semester the ensemble prepares different literature.
MUSP 459: Vocal Chords	Course Modification - Approved	Lanci Gurka
Change Item Description	Old	New
Course name:	Vocal Jazz Ensemble	Vocal Chords
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Exploration of wide range of vocal literature. Performances given, both on and off campus.	Exploration of wide range of vocal literature. Performances given, both on and off campus. For fourth-year students.
Course abbreviated schedule name:	Vocal Jazz Ensemble	Vocal Chords

Prerequisites:

Permission of instructor

Permission of instructor via audition

Please provide justification for repeatability:

Like all music ensembles, students register for each level 2 times, once in the fall and once in the spring. Each semester the ensemble prepares different literature. 400-level ensembles are repeatable up to 4 times to allow for students who do not graduate in 4 years to continue to perform in ensembles.

MUSP 365: Vocal Performance Workshop

Course Modification - Approved

Lanci | Gurka

UCC Discussion: Modification of title and description to better reflect updated course content. Current evaluation of the class determined that the prerequisite courses are not essential as background for this class. Opera repertoire is still a component of the class and the name change simply clarifies what is currently being taught. No other discussion.

Change Item Description

Old

New

Course name:

Opera Workshop

Vocal Performance Workshop

Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):

Development of vocal performance operatic skills for majors and minors within a musical and theatrical workshop. Operatic repertoire selected for class study. Stage movement, character study, audition techniques, resume construction and mock auditions incorporated.

Development of vocal performance skills for majors and minors within a musical and theatrical workshop. Performance repertoire selected for class study. Stage movement, stage presence, character study, audition techniques, resume construction, and mock auditions incorporated.

Course abbreviated schedule name:

Opera Workshop

Vocal Performance Workshop

Prerequisites:

Completion of Sophomore Review

Corequisites:

MUSL 337

Please provide justification for repeatability:

New material (music) is covered each semester.

MUSP 420: Senior Recital/Presentation	Course Modification - Approved	Lanci Gurka
UCC Discussion: Course description contained old language from when MUSP 420 could be taken for 1 or 2 credits. It is now only offered for 1 credit. No other discussion.		
Change Item Description	Old	New
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Preparation and successful completion of senior-level recital/presentation in the student's concentration. Recital/presentation must be approved by the music faculty and given during the semester in which the student is registered for this course. A music recital is required for Performance and Music Education majors and must include scholarly program notes (required for the official printed senior recital program) covering historical aspects, analytical issues, and/or performance considerations of the recital repertory. Students in the Liberal Arts or Elective Studies in Business programs may likewise present recital or, alternatively, may elect to give a faculty-approved "capstone presentation" (e.g., lecture/recital; lecture/demonstration; or other presentation of creative work such as video, original compositions, arrangements, etc.). Performance majors take this course for two credits; all other music majors take this course for one credit.	Preparation and completion of senior-level recital/presentation, given during the semester of this course. Recital must include scholarly program notes covering historical aspects, analytical issues, and/or performance considerations of the recital repertory. Liberal Arts or Elective Studies in Business students may elect to give a faculty-approved "capstone presentation" (e.g., lecture/recital; lecture/demonstration; or other presentation of creative work).
Academic engagement minutes per term:		1500
Student preparation minutes for a term:		750

NURS 410L: Population Health Nursing Laboratory		
Course Modification - Approved		Lanci Gurka
UCC Discussion: Updated course name for consistency across all laboratory courses in the RN-BSN program. No other discussion.		
Change Item Description	Old	New
Course name:	Population Health Nursing Practice Experience	Population Health Nursing Laboratory
Course abbreviated schedule name:	Population Health Practice Exp	Population Health Laboratory
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PHYS 103: General Astronomy		
Course Addition - Approved		Gurka Lanci
UCC Discussion: New course to meet demand of additional astronomy course offerings. No other discussion.		
Change Item Description	Departmental Justification	
New Proposal: No differences to report	There is significant demand for a new astronomy course which is presented at a greater depth (both mathematically and conceptually) than PHYS 101, which is currently the only astronomy course regularly offered by CMU. The proposed course will include a required lab, which would utilize CMU resources such as the Falcon Telescope Network and engage students directly with the scientific process.	
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PHYS 103L: General Astronomy Laboratory		
Course Addition - Approved		Gurka Lanci
UCC Discussion: Proposed as the lab component of PHYS 103, to help meet the demands of additional astronomy offerings. No other discussion.		
Change Item Description	Departmental Justification	
New Proposal: No differences to report	Astronomy is inherently an observational science. A laboratory required astronomy course will allow students to participate directly in the scientific process by learning how astronomers use telescopes to understand the universe. CMU pays for access to the Falcon Telescope Network and has a close partnership with the Grand Mesa Observatory, however, these resources are rarely used currently. Use of these telescopes, as well as field trips to the Grand Mesa Observatory, would be a required component to the proposed lab course. Students will collect, reduce, analyze, and interpret original data taken from the telescopes, possibly leading to original research, such as exoplanet and supernova detection, or the tracking of asteroids, comets, and low earth orbit satellites. This course proposal has been discussed with the chair of the Essential Learning Committee.	

The only changes made to SOCO 144, 260, and 264 were the required addition of the existing ESSL and course learning outcomes, along with the topical course outline that were not included when CIM was introduced. No other discussion.

SOCO 144: Marriage and Families-GTSS3	Course Modification - Approved	Kragnes Bardo
SOCO 260: General Sociology-GTSS3	Course Modification - Approved	Kragnes Bardo
SOCO 264: Social Problems-GTSS3	Course Modification - Approved	Kragnes Bardo
SOCO 305, 310, 323, and 325 added SOCO 264 to the possible prerequisites to open the course to a wider set of students. No other discussion.		
SOCO 305: Environmental Sociology	Course Modification - Approved	Kragnes Bardo
Change Item Description	Old	New
Prerequisites:	SOCO 260 or permission of the instructor	SOCO 260 or SOCO 264
SOCO 310: Sociology of Religion	Course Modification - Approved	Kragnes Bardo
Change Item Description	Old	New
Prerequisites:	SOCO 260	SOCO 260 or SOCO 264
SOCO 323: Self and Society	Course Modification - Approved	Kragnes Bardo
Change Item Description	Old	New
Prerequisites:	SOCO 260	SOCO 260 or SOCO 264
SOCO 325: Race and Ethnic Relations	Course Modification - Approved	Kragnes Bardo
Change Item Description	Old	New
Prerequisites:	SOCO 260	SOCO 260 or SOCO 264

SPCH 305: Intercultural Communication	Course Modification - Approved	Lanci Gurka
UCC Discussion: The current prerequisite (SPCH 101) is not necessary to meet student communication goals and expand their communication skills in this 300-level communication course. The title change and course description update reflect the need to more accurately reflect today's understanding of categories in the field and represent the material covered. No other discussion.		
Change Item Description	Old	New
Course name:	Communication: Culture, Diversity and Gender	Intercultural Communication
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Research and practical application to facilitate constructive relationships with individuals from other countries, with individuals from sub-cultures within our culture, and with individuals of the opposite sex.	Research and practical application to facilitate constructive communication and relationships with individuals and groups from diverse cultures, backgrounds, and identities.
Course abbreviated schedule name:	Culture, Diversity Gender	Intercultural Communication
Prerequisites:	SPCH 101	
STAT 215: Statistics for Social and Behavioral Sciences	Course Modification - Approved	Lanci Bardo
UCC Discussion: ANTH 202 was added to the list of possible entry-level SBS courses as a prerequisite. The Applied Anthropology and Geography (AAG) major did not exist when this course description was created and with the new major, the addition is needed. No other discussion.		
Change Item Description	Old	New
Course description for the catalog (do not list pre-reqs, co-reqs, and terms typically offered):	Descriptive and inferential statistical techniques within the Social and Behavioral Science realm. Topics include: Types of Random Variables, Studies, and Sampling Methods; Plots and Descriptive Statistics; Correlation and Regression; Probability Theory; Hypothesis Testing Inference including one and two sample t-tests, Chi-Squared Test for Independence, One and Two Factor ANOVA, t-test for Linear Regression Co-variates. SPSS will be used for data analysis.	Descriptive and inferential statistical techniques in Social and Behavioral Sciences. Topics include: types of random variables, studies, and sampling methods; plots and descriptive statistics; correlation and regression; probability theory; hypothesis testing inference, including one and two sample t-tests, Chi-Squared test for independence, one and two factor ANOVA, t-test for linear regression covariates. SPSS will be used for data analysis.
Prerequisites:	MATH 110 or higher, and PSYC 150 or SOCO 260 or CRMJ 201 or POLS 101	MATH 110 or higher, and ANTH 202 or PSYC 150 or SOCO 260 or CRMJ 201 or POLS 101

STAT 425: Design and Analysis of Experiments	Course Modification - Approved	Lanci Bardo
UCC Discussion: Removed MATH 146: Calculus for Biological Sciences (5 credits) from the prerequisite list and replace it with MATH 131: Applied Calculus (4 credits). MATH 146 will no longer be offered as it is being replaced by the new calculus course MATH 131. No other discussion.		
Change Item Description	Old	New
Prerequisites:	STAT 301; and MATH 121 or MATH 135 or MATH 146 or MATH 151	STAT 301; and MATH 151 or MATH 135 or MATH 131 or MATH 121
Academic engagement minutes per term:		2250
Student preparation minutes for a term:		4500