

REPORT: Added to Full Faculty Senate Agenda

(Proposals under consideration as of 11/20/2020)

Total proposals: 140

1. 59 - Arts and Sciences
2. 8 - Business
3. 4 - Education
4. 42 - Engineering & Computing
5. 2 - Honors College
6. 6 - Hospitality, Retail, & Sport Management
7. 15 - Information & Communications
8. 2 - Nursing
9. 2 - Public Health

Full proposal details can be found on the Academic Program Proposal System (APPS) available at http://www.sc.edu/about/offices_and_divisions/provost/planning/academicprograms/proposals/index.php.

1) Arts and Sciences (59 Proposals)

Course	Title	College	Proposal Type	Change Description
AERO-101	Found of US Air Force I	Arts and Sciences	Change Course	<p>Description:</p> <p>Survey course introducing students to the U.S. Air Force and AFROTC. Topics include mission and organization of the Air Force, officership, professionalism, military customs and courtesies, and officer career opportunities.</p> <p>Justification:</p> <p>AFROTC is changing its courses to be consistent with peer institutions and up to date with US Air Force requirements. The primary change to this course is to its title.</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: No Pre/Co-requisites entered</p> <p>Proposed: Co-requisite: AERO 101L</p>			
AERO-101L	Intnl Mil Trng Cad Ldshp Lab I	Arts and Sciences	Change Course	<p>Description:</p> <p>Provides cadets the basic skills/knowledge to be functional members of the cadet corps, and activities to build camaraderie and esprit-de-corps. Includes mandatory physical fitness program. CL: 2020.</p> <p>Justification:</p> <p>AFROTC is changing its courses to be consistent with</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: No Pre/Co-requisites entered</p> <p>Proposed: Co-requisite: AERO 101</p>			

				peer institutions and up to date with US Air Force requirements. The primary change to this course is to its title.
AERO-102	Found of US Air Force II	Arts and Sciences	Change Course	<p>Description:</p> <p>Continuation of AERO 101. Additional topics include Air Force core values, leadership principles, group leadership dynamics, and an introduction to verbal and written communications skills.</p> <p>Justification:</p> <p>AFROTC is changing its courses to be consistent with peer institutions and up to date with US Air Force requirements. The only change needed to this course is to its title.</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: No Pre/Co-requisites entered</p> <p>Proposed: Co-requisite: AERO 102L</p>			
AERO-102L	Init Mil Trng Cad Ldshp Lab II	Arts and Sciences	Change Course	<p>Description:</p> <p>Continuation of AERO 101L. Exposure to additional information on an Air Force career. Scenarios and problems teach followership and leadership skills. Includes mandatory physical fitness program. CL: 2020.</p> <p>Justification:</p> <p>AFROTC is changing its courses to be consistent with peer institutions and up to date with US Air Force requirements. The primary change to this course is to its title.</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: No Pre/Co-requisites entered</p> <p>Proposed: Co-requisite: AERO 102</p>			
AERO-201	Evolution of the USAF I	Arts and Sciences	Change Course	<p>Description:</p> <p>Examines USAF air and space power from a historical perspective. Covers the earliest aircraft, both World Wars, the Korean and Vietnam conflicts, air and space employment during the Cold War.</p> <p>Justification:</p> <p>AFROTC is changing its courses to be consistent with peer institutions and up to date with US Air Force requirements. This includes changing the title and course description for this course.</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: No Pre/Co-requisites entered</p> <p>Proposed: Co-requisite: AERO 201L</p>			
AERO-201L	Fld Trng Prep Cad Ldshp Lab I	Arts and Sciences	Change Course	<p>Description:</p> <p>Preparation of students for summer training at an Air Force base; teaching drill and other leadership experiences. Includes mandatory physical fitness program. CL: 2020.</p> <p>Justification:</p> <p>AFROTC is changing its courses to be consistent with</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: No Pre/Co-requisites entered</p> <p>Proposed: Co-requisite: AERO 201</p>			

				peer institutions and up to date with US Air Force requirements. The primary change to this course is to its title.
AERO-202	Evolution of the USAF II	Arts and Sciences	Change Course	<p>Description:</p> <p>Continuation of AERO 201. This course continues to explore Air Force history, beginning with the Vietnam era and culminating with the application of air and space power in recent conflicts.</p> <p>Justification:</p> <p>AFROTC is changing its courses to be consistent with peer institutions and up to date with US Air Force requirements. This includes changing the title and course description for this course.</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: No Pre/Co-requisites entered</p> <p>Proposed: Co-requisite: AERO 202L</p>			
AERO-202L	Int Fd Tng Prp Cd Ldshp Lab II	Arts and Sciences	Change Course	<p>Description:</p> <p>Continuation of AERO 201L. Focuses on AFROTC Honor Code, Field Training Manual/procedures, and expeditionary skills required at field training. Includes mandatory physical fitness program. CL: 2020.</p> <p>Justification:</p> <p>AFROTC is changing its courses to be consistent with peer institutions and up to date with US Air Force requirements. The primary change to this course is to its title.</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: No Pre/Co-requisites entered</p> <p>Proposed: Co-requisite: AERO 202</p>			
AERO-301	Air Force Ldshp Studies I	Arts and Sciences	Change Course	<p>Description:</p> <p>Study of leadership, management fundamentals, the profession of arms, personnel evaluation systems, ethics, motivation, team building, change management, and communication skills. Analyses of leadership and management case studies. Corequisite: AERO 301L.</p> <p>Justification:</p> <p>AFROTC is changing its courses to be consistent with peer institutions and up to date with US Air Force requirements. This includes changing the title and course description, as well as changing this to a three credit hour course with a co-requisite one-credit lab. Currently students receive 4 credits for this course, and 0 credits for the lab, and we think it makes sense to have the lab count for credit.</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: Co-requisite: AERO 301L</p> <p>Proposed: No change in Pre/Coreqs.</p>			
AERO-301L	Intmed Cad Ldshp Lab I	Arts and Sciences	Change Course	<p>Description:</p> <p>Provides cadets opportunities to develop leadership and followership skills, as well as sharpen their planning, organization, and communication ability. Includes</p>
	<p>Cross-Listing: No Cross-listings have been entered</p>			

	<p>Pre/Co-Requisites: Current: Co-requisite: AERO 301 Proposed: No change in Pre/Coreqs.</p>			<p>mandatory physical fitness program. Corequisite: AERO 301. CL: 2020. Justification: AFROTC is changing its courses to be consistent with peer institutions and up to date with US Air Force requirements. This includes changing the title, as well as changing this to a one credit hour lab course with a co-requisite three-credit lecture. Currently students receive 0 credits for this lab, and 4 credits for the lecture, and we think it makes sense to have the lab count for credit.</p>
<p>AERO-302</p>	<p>Air Force Ldshp Studies II</p>	<p>Arts and Sciences</p>	<p>Change Course</p>	<p>Description: Continuation of AERO 301. Topics include developing subordinates, conflict management, counseling, influence, authority and responsibility, accountability, and moral leadership. Includes case studies on effective supervision and accountability. Corequisite: AERO 302L Justification: AFROTC is changing its courses to be consistent with peer institutions and up to date with US Air Force requirements. This includes changing the title and course description, as well as changing this to a three credit hour course with a co-requisite one-credit lab. Currently students receive 4 credits for this course, and 0 credits for the lab, and we think it makes sense to have the lab count for credit.</p>
<p>AERO-302L</p>	<p>Intmed Cad Ldshp Lab II</p>	<p>Arts and Sciences</p>	<p>Change Course</p>	<p>Description: Continuation of AERO 301L. Allows intermediate cadet leaders to further develop leadership and management skills essential in Air Force officers. Includes mandatory physical fitness program. Justification: AFROTC is changing its courses to be consistent with peer institutions and up to date with US Air Force requirements. This includes changing the title, as well as changing this to a one credit hour lab course with a co-requisite three-credit lecture. Currently students receive 0 credits for this lab, and 4 credits for the lecture, and we think it makes sense to have the lab count for credit.</p>
<p>AERO-401</p>	<p>NatlSec/LeadResp/CommPrep</p>	<p>Arts and Sciences</p>	<p>Change Course</p>	<p>Description: Study of U. S. Constitution, the Armed Forces, civilian control of the military, elements of national security, USAF doctrine, Total Force, the Joint environment, terrorism, and regional and cultural studies.</p>
	<p>Cross-Listing: No Cross-listings have been entered Pre/Co-Requisites: Current: Co-requisite: AERO 302L Proposed: No change in Pre/Coreqs.</p>			
	<p>Cross-Listing: No Cross-listings have been entered Pre/Co-Requisites: Current: Prerequisites: AERO 301L. Corequisite: AERO 302. CL: 2020. Proposed: No change in Pre/Coreqs.</p>			
	<p>Cross-Listing: No Cross-listings have been entered Pre/Co-Requisites:</p>			

	<p>Current: Pre-requisite: AERO 302 and AERO 302L with a C or better Co-requisite: AERO 401L</p> <p>Proposed: No change in Pre/Coreqs.</p>			<p>Prerequisite: AERO 302. Corequisite: AERO 401L. FS: 12/04/2019.</p> <p>Justification:</p> <p>AFROTC is changing its courses to be consistent with peer institutions and up to date with US Air Force requirements. This includes changing this to a three credit course with a one-credit co-requisite lab. Currently students receive 0 credits for the lab, and 4 credits for the lecture, and we think it makes sense to have the lab count for credit.</p>
<p>AERO-401L</p>	<p>Sr Cad Ldshp Lab I</p>	<p>Arts and Sciences</p>	<p>Change Course</p>	<p>Description:</p> <p>Provides senior cadet leaders opportunities to develop leadership and supervisory skills, and to effectively manage resources toward mission accomplishment. Includes mandatory physical fitness program. Prerequisite: AERO 302L. Corequisite: AERO 401. CL: 2020.</p> <p>Justification:</p> <p>AFROTC is changing its courses to be consistent with peer institutions and up to date with US Air Force requirements. This includes changing the title, as well as changing this to a one credit hour lab course with a co-requisite three-credit lecture. Currently students receive 0 credits for this lab, and 4 credits for the lecture, and we think it makes sense to have the lab count for credit.</p>
<p>AERO-402</p>	<p>Preparation for Active Duty</p>	<p>Arts and Sciences</p>	<p>Change Course</p>	<p>Description:</p> <p>Continuation of AERO 401. Topics include additional regional studies, military justice, personnel feedback, evaluation and promotion systems, the military profession, current issues affecting the military, and preparation for active duty. Corequisite: AERO 402L</p> <p>Justification:</p> <p>AFROTC is changing its courses to be consistent with peer institutions and up to date with US Air Force requirements. This includes changing the title and course description, as well as changing this to a three credit hour course with a co-requisite one-credit lab. Currently students receive 4 credits for this course, and 0 credits for the lab, and we think it makes sense to have the lab count for credit.</p>
<p>AERO-402L</p>	<p>Sr Cad Ldshp Lab II</p>	<p>Arts and Sciences</p>	<p>Change Course</p>	<p>Description:</p> <p>Continuation of AERO 401L. Allows senior cadet leaders advanced opportunities to hone their leadership in preparation for entering active duty. Includes</p>
	<p>Cross-Listing: No Cross-listings have been entered</p>			

	<p>Pre/Co-Requisites: Current: Pre-requisite: AERO 401 and AERO 401L with a C or better Co-requisite: AERO 402 Proposed: No change in Pre/Coreqs.</p>			<p>mandatory physical fitness program. Prerequisite: AERO 401L. Corequisite: AERO 402. CL: 2020. Justification: AFROTC is changing its courses to be consistent with peer institutions and up to date with US Air Force requirements. This includes changing the title, as well as changing this to a one credit hour lab course with a co-requisite three-credit lecture. Currently students receive 0 credits for this lab, and 4 credits for the lecture, and we think it makes sense to have the lab count for credit.</p>
<p>ANTH-161</p>	<p>Hum Orgns: Intro Biol Anth</p>	<p>Arts and Sciences</p>	<p>Change Course</p>	<p>Description: An introduction to the science of biological anthropology, a subfield of anthropology that emphasizes a focus on humanity and its origin from a biological perspective, employing laboratory components to complement and reinforce lecture materials. CL: 2020. Justification: Proposal to add hybrid version of this previously face-to-face only course. In response to Covid protocol, face-to-face laboratory sections of the course have become impossible to continue while following social distancing procol. Previous organization of laboratory sessions required students to work together at small tables, all touching the same physical materials. In this proposal, the hybrid version of the course includes face to face lectures and remote, virtual labs. The labs have been redesigned using 3D scans of physical materials used in lab, ensuring that students will still experience the same exposure to materials as in the f2f labs, and will still acheive all learning outcomes of the Scientific Literacy Carolina Core requirement.</p>
<p>ANTH-333</p>	<p>North American Prehistory</p>	<p>Arts and Sciences</p>	<p>Change Course</p>	<p>Description: Prehistoric anthropology in North America from the first arrival of man through the beginning of European acculturation. Justification: In recent years this course has been taught so as to align with other 200-level archaeology and Native American courses offered by the Anthropology Department. Changing the course number will make it clearer to interested students that it is part of a logical sequence of courses, which should increase enrollment.</p>
<p>ANTH-374</p>	<p>Bilingual Cognition & Society</p>	<p>Arts and Sciences</p>	<p>New Course</p>	<p>Description:</p>

Cross-Listing:

Cross-listed course 1

Designator: LING

Course Number: 474

Cross-listed course 2

Designator: PSYC

Course Number: 474

Pre/Co-Requisites:

Current: No Pre/Co-requisites entered

Proposed: No change in Pre/Coreqs.

Bilingual language development, social and cultural aspects of bilingualism, the bilingual brain, bilingualism throughout the lifespan.

Justification:

By some estimates 80% of the world population is at least bilingual, and in many cases tri- and multi-lingual making bilingualism the norm rather than the exception. This makes the linguistic study of bilingualism a necessity in a productive society. This course offers a broad introduction to the study of bilingualism and language contact. We explore the most important and fascinating aspects of individual and societal bilingualism, focusing on both theoretical and practical issues. The goal of the course is to better understand the linguistic, cognitive, cultural, and socio-political dimensions of bi- and multilingualism and its role in our lives. Some of the questions we will ask include: How do people become bilingual? Is it harder for a child to learn two languages at once? Is the bilingual brain different from the monolingual brain? Why do bilinguals code-switch? What happens when one language encroaches on the other? Can language shift and loss be predicted? What is the role of language ideologies and attitudes in nation building? Does bilingualism threaten English in the U.S.? Is English as a global lingua franca a threat to multilingualism? Topics to be covered include:

- bilingual language acquisition in children and adults
- language in the mind: mental representation and processing of two languages
- bilingualism as social practice
- bilingual identity
- talking bilingual: social meanings and functions of code-switching
- the grammar of code-switching
- the politics of language choice in multilingual communities
- transmigration, language planning, and language rights
- globalization, global English, and intercultural communication

Examining empirical data from a variety of languages, we look for universally applicable explanations for how and why bilinguals use two (or more) languages the way they do. Questions that sometimes arouse controversy are also addressed—such as the question of bilingual education and whether there is a relationship between bilingualism and a child’s cognitive and social development.

[ARTS-390](#)

Special Topics in Art Studio	Arts and Sciences	New Course
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Cross-Listing: No Cross-listings have been entered

Pre/Co-Requisites:

Current: No Pre/Co-requisites entered

Proposed: No change in Pre/Coreqs.

Description:

Investigation and analysis of various thematic concepts, processes, and techniques in a variety of media. Content varies with suffix.

Justification:

Currently, the Art Studio major within the School of Visual Art and Design does not have a special topics course option. This proposal seeks to create a special topics course in Art Studio course that may be offered with various topics. The syllabus provided is an example of the topic we would like to teach in spring 2021.

BIOL-303	Fundamental Genetics	Arts and Sciences	Change Course	<p>Description:</p> <p>Basic principles of transmission and molecular genetics; quantitative inheritance; recombination; biochemical aspects of gene function and regulation; developmental genetics and population genetics. Three lecture hours per week. Prerequisite: BIOL 102 or MSCI 311. CL: 2020.</p> <p>Justification:</p> <p>This course is part of the CAS Summer Course Enhancement Initiative. We would like to get this course approved to be taught online in the Spring 2021 semester. By offering this course as an online class, we can better serve our large population of Biological Sciences majors, plus other majors required to take this course such as Biochemistry and Molecular Biology and CVT majors. Offering this course online would provide greater scheduling opportunities for our students, and would allow us to teach this course in a more flexible instructional method.</p>
<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: Prerequisite: BIOL 102 or MSCI 311</p> <p>Proposed: Prerequisite: A grade of C or better in BIOL 101 and BIOL 102, or MSCI 311</p>				
BIOL-552	Population Genetics	Arts and Sciences	Change Course	<p>Description:</p> <p>An introduction to the principles of population genetics, with emphasis on the origin, maintenance, and significance of genetic variation in natural populations. Prerequisite: BIOL 301, MSCI 302, and BIOL 303. CL: 2020.</p> <p>Justification:</p> <p>This proposal seeks to change the prerequisite on BIOL 552 (cross-listed with MSCI 552). Additionally, a change is needed to remove the prerequisite language from the course description.</p>
<p>Cross-Listing:</p> <p>Cross-listed course 1</p> <p>Designator: MSCI</p> <p>Course Number: 552</p> <hr/> <p>Pre/Co-Requisites:</p> <p>Current: Prerequisites: BIOL 301, MSCI 302, and BIOL 303</p> <p>Proposed: Grade of C or better in BIOL 301 or MSCI 311</p>				
CHEM-102	Fundamental Chemistry II	Arts and Sciences	Change Course	<p>Description:</p> <p>An introductory survey of organic and biochemistry. Three lecture, one recitation, and two laboratory hours per week. Prerequisite: 1 year high-school chemistry, CHEM 101, CHEM 111, or equivalent. FS: 10/1/2014. CL: 2020.</p> <p>Justification:</p> <p>CHEM 102 is a major program requirement for the nursing program. The size of the program has grown over the past couple of years and scheduling has become an obstacle for students. Creating an asynchronous option that would allow students more flexibility in</p>
<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: Prerequisites: 1 year high-school chemistry, CHEM 101, CHEM 111, or equivalent.</p> <p>Proposed: No change in Pre/Coreqs.</p>				

				scheduling not only for other academic classes but also for work schedules.
CHEM-111	General Chemistry I	Arts and Sciences	Change Course	<p>Description:</p> <p>Survey of the principles that underlie all chemistry with applications illustrating these principles. Three lecture and one recitation hours per week. Prerequisite: C or higher in MATH 111, MATH 115, MATH 122, MATH 141 or higher math (or by placement score into MATH 122, MATH 141 or higher math). Corequisite: CHEM 111L (unless grade of C or higher in CHEM 111L earned previously). FS: 12/02/2015. CL: 2020.</p> <p>Justification:</p> <p>CHEM 111 has a large audience and the ability to offer a section online would help reach populations that have limited access to classroom courses and help to alleviate overcrowding of classrooms. Instructors participated in a summer program with CTE to develop an online course that will benefit students that take it.</p>
	Cross-Listing: No Cross-listings have been entered			
	Pre/Co-Requisites:			
	Current: No Pre/Co-requisites entered			
	Proposed: No change in Pre/Coreqs.			
ENGL-404	English Drama to 1660	Arts and Sciences	Change Course	<p>Description:</p> <p>Drama in England, from the Middle Ages to the Restoration (excluding Shakespeare). Prerequisite: ENGL 101, ENGL 102, and one course between ENGL 270-ENGL 292. FS: 06/06/2018. CL: 2020.</p> <p>Justification:</p> <p>The Department of English has voted that ENGL 101 and 102 (with a grade a C or better) be the only prerequisites for all courses 300 and above.</p>
	Cross-Listing: No Cross-listings have been entered			
	Pre/Co-Requisites:			
	Current: Prerequisite: ENGL 101, ENGL 102, and one course between ENGL 270-ENGL 292.			
	Proposed: Prerequisite: ENGL 101 and ENGL 102 with a grade of C or better.			
ENGL-405	Shakespeare's Tragedies	Arts and Sciences	Change Course	<p>Description:</p> <p>Prerequisite: ENGL 101, ENGL 102, and one course between ENGL 270-ENGL 292. CL: 2020.</p> <p>Justification:</p> <p>The Department of English has voted that ENGL 101 and 102 (with a grade of C or better) be the only prerequisite for our courses above 300.</p>
	Cross-Listing: No Cross-listings have been entered			
	Pre/Co-Requisites:			
	Current: Prerequisites: ENGL 101, ENGL 102, and one course between ENGL 270-ENGL 292.			
	Proposed: Prerequisites: ENGL 101 and 102 with grades of C or better.			
ENGL-406	Shakespeare's Comedies & Hists	Arts and Sciences	Change Course	<p>Description:</p> <p>Note: All Literature Courses 300 and above require ENGL 101, ENGL 102, and one course between ENGL 270-ENGL 292. CL: 2020.</p> <p>Justification:</p>
	Cross-Listing: No Cross-listings have been entered			
	Pre/Co-Requisites:			
	Current: Prerequisite: All Literature Courses 300 and above require ENGL 101, ENGL 102,			

	<p>and one course between ENGL 270-ENGL 292.</p> <p>Proposed: Prerequisite: ENGL 101 and 102 with a grade of C or better.</p>			<p>This change would bring the course in line with all of our other upper level courses.</p>
<p>ENGL-441</p>	<p>Global Contemporary Literature</p>	<p>Arts and Sciences</p>	<p>Change Course</p>	<p>Description:</p> <p>Studies in twentieth- and twenty-first-century global Anglophone literatures. Prerequisite: ENGL 101, ENGL 102, and one course between ENGL 270-ENGL 292. FS: 09/14/2016. CL: 2020.</p> <p>Justification:</p> <p>This change would bring the course in line with our other upper level offerings.</p>
<p>ENVR-590</p>	<p>Environmental Issues Seminar</p>	<p>Arts and Sciences</p>	<p>Change Course</p>	<p>Description:</p> <p>Collaborative study of a contemporary environmental issue. Field trips may be required. Restricted to Environmental Science and Environmental Studies majors. Prerequisite: BIOL 301. FS: 11/05/2014. CL: 2020.</p> <p>Justification:</p> <p>The Environmental Studies BA degree was revised for Fall 2020 and BIOL 301 is no longer a required class. All Environmental Studies and Environmental Science students are required to take this ENVR 480 capstone course. The class can be successfully completed by students without BIOL 301 as long as they have senior standing and have, therefore, completed many of the degree requirements. A new restriction is requested: Seniors (>90 hrs) in Environmental Science or Environmental Studies. The senior standing is requested as a result of BIOL 301 being removed.</p> <p>At the request of the Faculty Senate Courses and Curriculum committee. the course number is being changed from ENVR 590 to ENVR 480 based on the class restriction to undergraduates.</p>
<p>FAMS-110</p>	<p>Media Culture</p>	<p>Arts and Sciences</p>	<p>Change Course</p>	<p>Description:</p> <p>Introduction to the critical study of film, video, photography, audio, and new media. FS: 12/02/2015. CL: 2020.</p> <p>Justification:</p> <p>The purpose of this proposal is to add online delivery to FAMS 110 and its cross-list, MART 110. A separate proposal has been submitted for MART 110. This course has already been approved for cross-listing; as</p>
<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: Prerequisites: ENGL 101, ENGL 102, and one course between ENGL 270-ENGL 292.</p> <p>Proposed: Prerequisite: ENGL 101 and 102 with a grade of C or better.</p>				
<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: No Pre/Co-requisites entered</p> <p>Proposed: none (remove BIOL 301)</p>				
<p>Cross-Listing:</p> <p>Cross-listed course 1</p> <hr/> <p>Designator: MART</p> <p>Course Number: 110</p> <hr/> <p>Pre/Co-Requisites:</p> <p>Current: No Pre/Co-requisites entered</p>				

	Proposed: No change in Pre/Coreqs.			such, a letter of concurrence was not included.
FAMS-300	Film and Media History	Arts and Sciences	Change Course	<p>Description:</p> <p>Surveys the development of cinema and related media from the 1820s to the present. Attention to the relations among key technological, cultural, and industrial changes, their causes, and consequences. FS: 12/2/2015. CL: 2020.</p> <p>Justification:</p> <p>The purpose of this proposal is to add an option for online delivery to FAMS 300: Film and Media History.</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: No Pre/Co-requisites entered</p> <p>Proposed: No change in Pre/Coreqs.</p>			
FORL-511	Tchng For Lang Secndry Schools	Arts and Sciences	Change Course	<p>Description:</p> <p>Current methods, techniques, and materials of instruction appropriate for secondary schools. Cross-listed Course: EDSE 575</p> <p>Justification:</p> <p>This course requires students to prepare and present "mini" lessons in the foreign language. Students need to have completed the 200-level of their foreign language in order to perform these lessons.</p>
	<p>Cross-Listing:</p> <p>Cross-listed course 1</p> <hr/> <p>Designator: EDSE</p> <p>Course Number: 575</p> <p>-----</p> <p>Pre/Co-Requisites:</p> <p>Current: No Pre/Co-requisites entered</p> <p>Proposed: Pre-requisite: 210 level of a foreign language or its equivalent</p>			
GEOG-105	The Digital Earth	Arts and Sciences	Change Course	<p>Description:</p> <p>Introduction to geographic data; use of digital maps and aerial/satellite images as means of Earth observation; basics of spatial data analysis; location-based Web APPs; digital map services. FS: 12/02/2015. CL: 2020.</p> <p>Justification:</p> <p>The purpose of this proposal is to seek approval to offer GEOG 105: The Digital Earth, in an online format. This course meets the Carolina Core ARP requirement, and is a popular option for Geography majors as well as students in other majors. Offering this course online will provide more options for students and will also allow the department to offer additional seats to meet demand due to not having to factor in the restraints of classroom space.</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: No Pre/Co-requisites entered</p> <p>Proposed: No change in Pre/Coreqs.</p>			
GEOG-201	Landform Geography	Arts and Sciences	Change Course (CCORE)	<p>Description:</p> <p>Hydrology, soil science, and interpretation of physical features formed by water, wind, and ice, with emphasis on environmental change. Three hours of lecture and</p>
	<p>Cross-Listing: No Cross-listings have been entered</p>			

	<p>Pre/Co-Requisites: Current: No Pre/Co-requisites entered Proposed: No change in Pre/Coreqs.</p>			<p>one two-hour laboratory per week. CL: 2020. Justification: Additional online courses at UofSC, especially for lab-based Carolina Core classes (SCI) are needed. Note: DL/InDev have administratively approved this course on 11/19/2020. ks</p>			
<p>GEOG-380</p>	<table border="1" style="width: 100%;"> <tr> <td style="width: 33%;">Geography of Human Rights</td> <td style="width: 33%;">Arts and Sciences</td> <td style="width: 33%;">New Course</td> </tr> </table> <p>Cross-Listing: No Cross-listings have been entered Pre/Co-Requisites: Current: No Pre/Co-requisites entered Proposed: No change in Pre/Coreqs.</p>			Geography of Human Rights	Arts and Sciences	New Course	<p>Description: Geopolitical, historical, cultural, and economic geographies of human rights around the world; issues of development, environment, health, inequality, violence Justification: There is considerable interest in human rights among students in Geography, Global Studies, African American Studies, International Business, Political Science, Public Health, Women’s and Gender Studies, and Social Work, among other areas, as well as among students interested in pursuing a law degree. While justice issues are discussed in several courses, human rights and justice are distinct topics: human rights refer to the minimum standards of dignity to which all humans are entitled, as codified in the Universal Declaration of Human Rights of the United Nations. A few existing courses engage with specific topics in human rights scholarship and related fields (e.g., LING/POLI 240 on Language Conflict and Language Rights, SOWK 307 on International Social Work and Social Justice, and POLI 383 on Genocide: A Comparative Perspective). There is not, however, at present a course at the University of South Carolina that focuses exclusively and holistically on human rights and addresses human rights debates across a wide range of topics (e.g., political and civil rights, economic rights, social rights, cultural rights, environmental rights) and geographic locations. This course, a discussion-based seminar that applies a geographic approach to human rights, will address the interests of University of South Carolina students in this important and timely topic. It is being tested as an Honors College course in Fall 2020, to a positive student response.</p>
Geography of Human Rights	Arts and Sciences	New Course					
<p>GEOL-501</p>	<table border="1" style="width: 100%;"> <tr> <td style="width: 33%;">Principles of Geomorphology</td> <td style="width: 33%;">Arts and Sciences</td> <td style="width: 33%;">Change Course</td> </tr> </table> <p>Cross-Listing: Cross-listed course 1 <hr/> Designator: MSCI</p>			Principles of Geomorphology	Arts and Sciences	Change Course	<p>Description: The process of earth denudation with emphasis on chemistry of weathering, stream and erosion hydraulics, quantitative analysis of land form evolution. Prerequisite: GEOL 101 and GEOL 102. CL: 2020.</p>
Principles of Geomorphology	Arts and Sciences	Change Course					

	<p>Course Number: 501</p> <hr/> <p>Pre/Co-Requisites: Current: No Pre/Co-requisites entered Proposed: Pr-requisite:GEOL 101</p>			<p>Justification: GEOL 102 - Fossils and the Evolution of Life on Earth (4 Credits) is being removed as a pre-req as these course principles are no longer intergral to student success in the GEOL/MSCI 501 class.</p>
<p>GERM-280</p>	<p>German Culture & Civilization</p>	<p>Arts and Sciences</p>	<p>Change Course</p>	<p>Description: Survey of German cultural history from the Middle Ages to the present. Taught in English. CL: 2020.</p> <p>Justification: GERM 280 is a popular course that fulfills the Carolina Core GHS requirement. This purpose of this proposal is to add an option for online delivery to GERM 280.</p>
<p>HIST-102</p>	<p>Eur Civ: From Mid 17th Century</p>	<p>Arts and Sciences</p>	<p>Change Course</p>	<p>Description: European development and expansion from the mid-17th century to the present. CL: 2020.</p> <p>Justification: This undergraduate course is of high interest to students. It is taught every semester as it fulfills the GHS requirement of the Carolina Core. Providing the course online will allow the Department to offer larger sections, not be bound by physical classroom space, and allow more students to complete the course. The course materials incorporate necessary accessibility features, provide for appropriate learning activities, and allow for appropriate interaction. HIST 102 is one of the few 100-level surveys that are not taught online yet. Other courses have been already delivered online. Among them: HIST 101 (European Civilization to the mid-17th century); HIST 111 and HIST 112 (the US surveys); HIST 108 (Science and Technology); HIST 106 (African History). HIST 109 (Latin America) has been recently submitted for approval.</p>
<p>HIST-110</p>	<p>Conquest & Captivity 1441-1888</p>	<p>Arts and Sciences</p>	<p>New Course (CCORE)</p>	<p>Description: Comparative examination of conquest, colonization, and human captivity in the history, cultural values, and social ethics of European, African, and Indigenous civilizations in the Americas, 1441-1888.</p> <p>Justification: HIST 110 provides a comparative and synthetic approach to the Americas to draw out the common and divergent histories that shaped North and South</p>

				<p>America from the 15 to the 19 Century. Rather than approaching the history of Latin American and the United States as separate historical process, it draws attention to a shared past marked by European Conquest of Indigenous populations, the process of colonization, and how human captivity in various forms has left a long lasting legacy throughout the hemisphere. The course contextualizes the beliefs and values of the conquerors that forged the colonial order, and probes the moral and ideological responses of the colonized as they struggled to assert their own rights and culture in constructing a new society. The course answers the call for a more thematic approach to the past by examining historical processes, rather than a narrative that focuses on the story of how nations came into existence and the political history of the state.</p>
<p>LANG-Minor</p>	<p>Spanish Minor</p>	<p>Arts and Sciences</p>	<p>Change Program</p>	<p>Justification:</p> <p>Clarifying requirements for successfully completing minor</p>
<p>LING-474</p>	<p>Bilingualism</p>	<p>Arts and Sciences</p>	<p>Change Course</p>	<p>Description:</p> <p>Bilingual language development, social and cultural aspects of bilingualism, the bilingual brain, bilingualism throughout the lifespan. FS: 12/02/2015. CL: 2020.</p> <p>Justification:</p> <p>This course brings in light the most important and fascinating aspects of individual and societal bilingualism, focusing on both theoretical and practical issues. The goal of the course is to better understand the linguistic, cognitive, cultural, and socio-political dimensions of bi- and multilingualism and its role in our lives. Some of the topics to be covered include: How do people become bilingual? Is it harder for a child to learn two languages at once? Is the bilingual brain different from the monolingual brain? Why do bilinguals code-switch? What happens when one language encroaches on the other? Can language shift and loss be predicted? What is the role of language ideologies and attitudes in nation building? Does bilingualism threaten English in the U.S.? Is English as a global lingua franca a threat to multilingualism? Topics to be covered include:</p> <ul style="list-style-type: none"> ▪ bilingual language acquisition in children and adults ▪ language in the mind: mental representation and processing of two languages ▪ bilingualism as social practice ▪ bilingual identity ▪ talking bilingual: social meanings and functions of code-switching ▪ the grammar of code-switching ▪ the politics of language choice in multilingual communities ▪ transmigration, language planning, and language rights ▪ globalization,
<p>Cross-Listing:</p> <p>Cross-listed course 1</p> <hr/> <p>Designator: ANTH</p> <p>Course Number: 474</p> <p>.....</p> <p>Cross-listed course 2</p> <hr/> <p>Designator: PSYC</p> <p>Course Number: 474</p> <p>.....</p> <p>Pre/Co-Requisites:</p> <p>Current: No Pre/Co-requisites entered</p> <p>Proposed: No change in Pre/Coreqs.</p>				

				global English, and intercultural communication
MART-110	Media Culture	Arts and Sciences	Change Course	<p>Description:</p> <p>Introduction to the critical study of film, video, photography, audio, and new media. ACAF 2.03: 07/05/2019. CL: 2020.</p> <p>Justification:</p> <p>The purpose of this proposal is to add an option for online delivery to MART 110 and its cross-list, FAMS 110. A separate proposal will be submitted for FAMS 110. This course has already been approved for cross-listing; as such, a letter of concurrence was not included.</p>
<p>Cross-Listing: Cross-listed course 1</p> <hr/> <p>Designator: FAMS Course Number: 110 -----</p> <p>Pre/Co-Requisites: Current: No Pre/Co-requisites entered Proposed: No change in Pre/Coreqs.</p>				
MSCI-460	Field&Lab Invstgtns Marine Sci	Arts and Sciences	Change Course	<p>Description:</p> <p>Intensive inquiry-based investigations combining oceanographic field sampling with laboratory measurements of collected samples using modern analytical instrumentation, and with analysis and integration of data into a final research report. Course conducted in residence at a marine field site. Prerequisite: MSCI 311, MSCI 313 and MSCI 314. FS: 09/11/2013. CL: 2020.</p> <p>Justification:</p> <p>This class has historically been offered during the summer as a 4 credit class. We intend to offer this class, in addition to the summer sessions, as a 2 credit class during each Fall and Spring semester via weekend field experiences. We foresee that it could also be offered as a 1 credit intensive class over Spring Break. Therefore, to meet the various models, we request a variable hour course from 1-4 credits and the hours would be set by the instructor each semester.</p> <p>We also are changing the pre-reqs from MSCI 311, 313 and 314 to MSCI 101 and 102 OR BIOL 101 and 102 to allow students to take this class earlier in their MSCI degree. The field components earlier in the degree will assist them with upper level courses and concepts.</p> <p>The 2 credit version would include a minimum of 30 hours of instruction. The 2 credit model for the Marine Science Program field experience requirement would be primarily met by students taking one 2-credit hour MSCI 460 course offered during the fall or spring semesters. These 2-credit hour courses would be similar to the traditional 4-credit hour summer MSCI 460 courses in content and style but streamlined for delivery with fewer contact hours without sacrificing depth, albeit on a reduced set of topics. For instance, each 2-</p>
<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites: Current: Prerequisites: MSCI 311, MSCI 313 and 314 Proposed: MSCI 101 and MSCI 102 with a C or better OR BIOL 101 and 102 with a C or better</p>				

				<p>credit hour course would be taught by a single instructor and focus on a specific topic (e.g., biogeochemistry). However, the course would consist of 2-3 modules rather than the 5-6 modules typical of the traditional 4-credit hour summer courses. To accommodate students' fall and spring semester schedules, the 2-credit hour course would be a mix of lectures/labs on campus or via web conference focused on the core components of 2 weekend field excursions to BMFL.</p>
MSCI-501	Principles of Geomorphology	Arts and Sciences	Change Course	<p>Description:</p> <p>The process of earth denudation with emphasis on chemistry of weathering, stream and erosion hydraulics, quantitative analysis of land form evolution. Prerequisite: GEOL 101 and GEOL 102. CL: 2020.</p> <p>Justification:</p> <p>GEOL 102- Fossils and the Evolution of Life on Earth is being removed as a pre-req as the principles of this course are no longer integral to student success in MSCI/GEOL 501.</p>
	<p>Cross-Listing: Cross-listed course 1</p> <hr/> <p>Designator: GEOL Course Number: 501</p> <hr style="border-top: 1px dashed black;"/> <p>Pre/Co-Requisites: Current: Prerequisite: C or better in GEOL 101 and GEOL 102. Proposed: Prerequisite: C or better in GEOL 101.</p>			
PHIL-335	Disobedience and Dissent	Arts and Sciences	New Course (CCORE)	<p>Description:</p> <p>This course explores central philosophical issues related to resisting and opposing claimed state authority. Focus will be on classic and modern texts regarding the intentional, ethically-, or politically-motivated violation of law and on the justification of revolution</p> <p>Justification:</p> <p>The philosophy department currently offers courses in political philosophy, social justice, and philosophy of law. However, there are currently no courses that allow students to study historical and contemporary philosophical arguments for and against justifying the rejection of claimed state authority. Given the enduring significance of actions opposing such authority in the form of civil disobedience, protest, and direct action, such a course is sure to be of both academic and practical interest to both philosophy majors and the general student population.</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites: Current: No Pre/Co-requisites entered Proposed: No change in Pre/Coreqs.</p>			
POLI-Major./ Degree Program	BA in International Studies	Arts and Sciences	Change Program	<p>Justification:</p> <p>These revisions will provide better options for our students, streamline the curriculum, and make planning and advising simpler. The degree allows students to take most major elective requirements</p>

				<p>outside of Political Science.</p> <p>All students will now take an American politics course, a global politics course, a research design type course, and a political theory course because all students should be exposed to both domestic and international politics and different ways of analyzing and thinking about politics. The prerequisites (101, 201, and 303) are counted as prerequisites rather than requirements so that students can count them toward the Carolina Core requirements. Students can complete the prerequisites and requirements in one year of study, as 101, 105, 201, and 303 will be offered every semester, with 105 being taught as a science of politics course.</p>
<p>POLI-Major / Degree Program</p>	<p>BA in Political Science</p>	<p>Arts and Sciences</p>	<p>Change Program</p>	<p>Justification:</p> <p>This degree is designed to allow students to pursue their particular interests within or across different areas of government and politics. The major revision is that we do away with the requirement for two areas of focus (e.g. American and comparative politics), to provide greater ability for students to pursue their own interests and simplify course scheduling and advising.</p> <p>All students will now take an American politics course, a global politics course, a research design type course, and a political theory course because all students should be exposed to both domestic and international politics and different ways of analyzing and thinking about politics. The prerequisites (101, 201, and 303) are counted as prerequisites rather than requirements so that students can count them toward the Carolina Core requirements. The general idea for all three programs is that students can complete the prerequisites and requirements in one year of study, as 101, 105, 201, and 303 will be offered every semester, with 105 being taught as a science of politics course.</p>
<p>PSYC-Major / Degree Program</p>	<p>BA in Psychology</p>	<p>Arts and Sciences</p>	<p>Change Program</p>	<p>Justification:</p> <p>We are changing our required research methods sequence to align more closely with what peer institutions are doing. We currently require three courses (PSYC 226, 227, 228) for a total of 8 hours be taken over three semesters. We believe this creates a bottleneck for students trying to advance to upper division courses. A review of over 40 institutions found that very few psychology departments have a 3 semester</p>

research methods sequence. In addition, most other institutions have students take statistics first, whereas we currently have students take research methods first. Thus, we are condensing material from three courses into two, adding a lab to our research methods course, and changing the order of the sequence. We are also adding a one-hour online course required by all majors in their first year, PSYC 120 - Professional Development in Psychology. The goal of this course is to have students engage early on with career goals, how to achieve those goals, available resources, etc. As we are resequencing courses, we are changing course numbers, although the titles and descriptions of these courses (currently PSYC 226 and 227) will not change.

Current Sequence:

PSYC 226 - Research Methods in Psychology - (3 hours)

PSYC 227 - Psychological Statistics - (3 hours) - with a lab

PSYC 228 - Laboratory in Psychology - (2 hours) - with a lab

Proposed Change:

PSYC 120 - Professional Development in Psychology (1 hour) - taken anytime during first 30 hours as a PSYC major, can be taken concurrently w/ PSYC 101, 220, or 221

PSYC 220 - Psychological Statistics (3 hours) - Pre-req: PSYC 101

PSYC 221 - Research Methods in Psychology (4 hours) - Now has a lab added in - Pre-req: PSYC 220

One other minor change. We added an Internship in Psychology (PSYC 495) a few years back. In the last footnote at the bottom of major requirements I added this course as one that only 6 hours total could count towards major credit.

PSYC-Major / Degree Program	BS in Psychology	Arts and Sciences	Change Program

Justification:

We are changing our required research methods sequence to align more closely with what peer institutions are doing. We currently require three courses (PSYC 226, 227, 228) for a total of 8 hours be taken over three semesters. We believe this creates a bottleneck for students trying to advance to upper division courses. A review of over 40 institutions found that very few psychology departments have a 3 semester

research methods sequence. In addition, most other institutions have students take statistics first, whereas we currently have students take research methods first. Thus, we are condensing material from three courses into two, adding a lab to our research methods course, and changing the order of the sequence. We are also adding a one-hour online course required by all majors in their first year, PSYC 120 - Professional Development in Psychology. The goal of this course is to have students engage early on with career goals, how to achieve those goals, available resources, etc. As we are resequencing courses, we are changing course numbers, although the titles and descriptions of these courses (currently PSYC 226 and 227) will not change.

Current Sequence:

PSYC 226 - Research Methods in Psychology - (3 hours)

PSYC 227 - Psychological Statistics - (3 hours) - with a lab

PSYC 228 - Laboratory in Psychology - (2 hours) - with a lab

Proposed Change:

PSYC 120 - Professional Development in Psychology (1 hour) - taken anytime during first 30 hours as a PSYC major, can be taken concurrently w/ PSYC 101, 220, or 221

PSYC 220 - Psychological Statistics (3 hours) - Pre-req: PSYC 101

PSYC 221 - Research Methods in Psychology (4 hours) - Now has a lab added in - Pre-req: PSYC 220

One other minor change. We added an Internship in Psychology (PSYC 495) a few years back. In the last footnote at the bottom of major requirements I added this course as one that only 6 hours total could count towards major credit.

[PSYC-226](#)

Research Methods in Psych	Arts and Sciences	Change Course
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Cross-Listing: No Cross-listings have been entered

Pre/Co-Requisites:

Current: Prerequisites: PSYC 101 or SCHC 130

Proposed: No change in Pre/Coreqs.

Description:

Basic principles and methodology. Prerequisite: PSYC 101 or SCHC 130. CL: 2020.

Justification:

We are changing our required research methods sequence to allign with peer institutions. Our current sequence requires students to take 3 courses (PSYC 226 - Research Methods in Psychology; PSYC 227 - Psychological Statistics; PSYC 228 - Laboratory in

				<p>Psychology) over 3 semesters for a total of 8 hours of credit. A review of peer departments found that many condense the material into two semesters AND typically have students take Psychological Statistics first. We have found that the 3 semester sequence creates a bottleneck for advancing to upper division, is problematic for transfer students, and is frankly, inefficient. Hence, we would like to make the following changes to this course.</p> <ol style="list-style-type: none"> 1. Renumber, as it will now be second in the sequence. Statistics will become PSYC 220, Research Methods will become PSYC 221. 2. Expand the course to include a two-hour laboratory. Thus, an increase from 3 to 4 hours of credit. The lab will include material that is now taught in our PSYC 228 (Laboratory in Psychology) course. Mostly this involves designing and conducting small studies, analyzing the results using computer software, and writing a research report in APA format. These meet learning objectives that are vital to the major. <p>The number of credit hours required by PSYC majors will not change. They currently take 8 hours for our three courses, PSYC 226 (3 hours), PSYC 227 (3 hours), PSYC 228 (2 hours). Our new proposal will include a 1 hour Professional Development in Psychology course (PSYC 120) taken at anytime during the first 30 hours as a major plus PSYC 220 (Stats, 3 hours) and PSYC 221 (RM, 4 hours).</p>
<p>PSYC-227</p>	<p>Psychological Statistics</p>	<p>Arts and Sciences</p>	<p>Change Course</p>	<p>Description:</p> <p>Introduction to statistical methods essential for psychological research. Prerequisite: PSYC 226 and MATH 111 or placement out of MATH 111. CL: 2020.</p> <p>Justification:</p> <p>We are changing our required reseach methods sequence to allign with peer institutions. Part of this change involves a resequencing of courses and thus, we need to renumber. Currently, Psychological Statistics (PSYC 227) comes after Research Methods in Psychology (PSYC 226). We want students to now take Psychological Statistics first. Hence, it will become PSYC 220, Research Methods will become PSYC 221. Functionally, there are no other changes to this course.</p>
<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: Prerequisites: PSYC 226 and MATH 111 or placement out of MATH 111</p> <p>Proposed: Pre-reqs: C or higher in PSYC 101; C or higher in MATH 111 or equivalent or Math placement score.</p>				
<p>PSYC-474</p>	<p>Bilingual Cognition & Society</p>	<p>Arts and Sciences</p>	<p>New Course</p>	<p>Description:</p> <p>Bilingual language development, social and cultural aspects of bilingualism, the bilingual brain, bilingualism throughout the lifespan.</p>
<p>Cross-Listing: Cross-listed course 1</p>				

Designator: LING
 Course Number: 474

Cross-listed course 2

Designator: ANTH
 Course Number: 374

Pre/Co-Requisites:

Current: No Pre/Co-requisites entered

Proposed: No change in Pre/Coreqs.

Justification:

By some estimates 80% of the world population is at least bilingual, and in many cases tri- and multi-lingual making bilingualism the norm rather than the exception. This makes the linguistic study of bilingualism a necessity in a productive society. This course offers a broad introduction to the study of bilingualism and language contact. We explore the most important and fascinating aspects of individual and societal bilingualism, focusing on both theoretical and practical issues. The goal of the course is to better understand the linguistic, cognitive, cultural, and socio-political dimensions of bi- and multilingualism and its role in our lives. Some of the questions we will ask include: How do people become bilingual? Is it harder for a child to learn two languages at once? Is the bilingual brain different from the monolingual brain? Why do bilinguals code-switch? What happens when one language encroaches on the other? Can language shift and loss be predicted? What is the role of language ideologies and attitudes in nation building? Does bilingualism threaten English in the U.S.? Is English as a global lingua franca a threat to multilingualism?

Topics to be covered include:

- bilingual language acquisition in children and adults
- language in the mind: mental representation and processing of two languages
- bilingualism as social practice
- bilingual identity
- talking bilingual: social meanings and functions of code-switching
- the grammar of code-switching
- the politics of language choice in multilingual communities
- transmigration, language planning, and language rights
- globalization, global English, and intercultural communication

Examining empirical data from a variety of languages, we look for universally applicable explanations for how and why bilinguals use two (or more) languages the way they do. Questions that sometimes arouse controversy are also addressed—such as the question of bilingual education and whether there is a relationship between bilingualism and a child’s cognitive and social development.

[SEOE-
Major./
Degree
Program](#)

BS in Geological Sciences	Arts and Sciences	Change Program
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Justification:

The proposal requests to add a concentration in Geophysics to the BS in Geological Science for those students interested in this specialized area of geology. We anticipate that the current BS in Geophysics major

				<p>will be terminated in the near future and, in order to meet the needs of students with an interest in geophysics, we want to provide an opportunity for students to major in Geological Science as well as emphasize the geophysics components of this area of study. We have offered a Geophysics major for about 30 years and understand the student interest and requirements, but due to various faculty commitments, we believe the Geophysics Concentration will be a valuable addition to the Geological Science major for new students. Based on the courses required for a minor in Geophysics, it is very difficult for a Geological Science student to minor in Geophysics and this new concentration will address that issue as well.</p> <p>In addition, minor changes are being made to the names of all concentrations to reflect the name of the degree. When the degree name was changed from "Geology" to "Geological Sciences" the names internally for the concentrations were not also changed to reflect the degree name change. These changes make it clear that the degree name and major are the same: Geological Science.</p>
SEOE-Major / Degree Program	BS in Marine Science	Arts and Sciences	Change Program	<p>Justification:</p> <p>The change requested is in footnote 1 in the Major Requirements. The Course, MSCI 460, which is the field experience course at UofSC's Baruch Institutue, is being changed from 4 credit hours to a variable credit course of 1-4 credits (via a separate APPS proposal). We intend to lower the number of required hours in the field to a minimum of 60 hours of field experience for majors. Students are currently required to complete 120 hours in the field if they do not complete MSCI 460. We have also added another category of acceptable field experience to include data collection / analysis experiences.</p> <p>Our students often obtain more than the minimum hours, but the program has reviewed its curriculum and this change would improve the degree.</p>
SEOE-Major / Degree Program	BS in Geophysics	Arts and Sciences	Terminate Program	<p>Justification:</p> <p>When the geophysics major was initiated, the intent was to provide a quantitative degree option for students interested primarily in continuing in graduate school and/or a career in the petroleum industry. Our experience since the degree was established in the late 1980s, is that the demand for such a degree is lower than we expected and it is difficult to justify maintaining the degree. The establishment of the SEOE and subsequent changes in our faculty and our</p>

				<p>programmatic priorities lead us to conclude that a BS in Geophysics is not sustainable nor critical to the future of the SEOE. Instead, we have submitted a request to create a Concentration in Geophysics within our BS in Geological Sciences. This approach is consistent with the way we support other specialized areas to satisfy the interests of subsets of our student population. While the geophysics never produced large numbers of majors, temporary increases in graduates can be traced to infrequent programs for international students and limited-duration Academic Common Market opportunities for out-of-state students. The largest ACM opportunity (Georgia) has now been terminated and we anticipate that this will reduce graduation levels to pre-2010 levels.</p> <p>Chart of teh number of degrees awarded per year is availble but will not upload into this format. From 1990 until 2020 highest number of degrees awarded per year is 5 and median is about 2 per year.</p>
SOCY-302	Sociological Theory	Arts and Sciences	Change Course	<p>Description:</p> <p>Examination of key ideas from classical, modern, and contemporary sociological theories. FS: 04/04/2018. CL: 2020.</p> <p>Justification:</p> <p>Changing course number so it is sequenced with two other classes that are part of a sequence. We are removing the SOCY 220 prerequisite from this course. It will no longer have a prerequisite.</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites: Current: Pre-requisite: SOCY 220 Proposed: Pre-requisite: none</p>			
THEA-200	Understanding & Apprec Theatre	Arts and Sciences	Change Course (CCORE)	<p>Description:</p> <p>An introduction to the understanding and appreciation of theatrical experience. Attendance at theatrical performances required. Carolina Core: AIU</p> <p>Justification:</p> <p>Creating online distribution for THEA 200, a Carolina Core course for the Dept. of Theatre and Dance</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites: Current: No Pre/Co-requisites entered Proposed: No change in Pre/Coreqs.</p>			
WGST-499	Community Service Internship	Arts and Sciences	Change Course	<p>Description:</p> <p>Supervised experience addressing a community organizationâ€™s needs and allowing the student to explore an aspect of the community related to womenâ€™s studies issues. Contract approval by advisor required. Prerequisite: WGST 111, WGST 112 or WGST 113, plus one additional WGST course. CL: 2020.</p> <p>Justification:</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites: Current: No Pre/Co-requisites entered Proposed: WGST 112 or WGST 113, plus one additional WGST course at the 200-level or</p>			

	higher., both with a minimum grade of C.			<p>This course is required for WGST majors. The course materials incorporate basic accessibility features that provide appropriate learning activities and interaction. Online course options for students are increasingly necessary in the context of 1) dwindling classroom space on campus; 2) students who have multiple and competing demands on their time; and 3) barriers to face-to-face delivery in the context of the global pandemic, COVID-19. We anticipate that an online course option for WGST 499 will be a particularly-attractive option for student athletes, military students, student parents and students with other direct-care responsibilities, working students, students with disabilities or health issues that make brick-and-mortar classroom attendance difficult, and those who live outside of Columbia.</p> <p>Because this is a senior capstone course requirement for our major, we have shifted prerequisites to require our two foundational courses (WGST 112 AND WGST 113) plus one additional WGST course at the 200-level or higher.</p> <p>We have also updated the course description from "women's studies" to "women's and gender studies" to make it consistent with the name of our program and degree.</p>
ZZAS-Major / Degree Program	Cardiovascular Technology, B.S.	Arts and Sciences	Change Program	<p>Justification:</p> <p>We are proposing these changes to the Cardiovascular Technology (CVT) Curriculum based on feedback from the clinical programs our CVT students attend. The inclusion of Human Anatomy and Physiology I & II was recommended by four CVT clinical programs: Providence Hospital (Columbia, SC), University Hospital (Augusta, GA), Institute of Ultrasound (Mobile, AL) and Prisma Health (Greenville, SC). It was also noted that some of the upper level Biological Sciences classes that were required were not necessary. It is important that students still complete some upper level Biological Sciences and Chemistry classes, but we wanted to give them the freedom to take the classes that suit their interests, so we have made the Major Requirements more broad.</p>

2) Business (8 Proposals)

Course	Title	College	Proposal	Change Description
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			Type	
ACCT-405	Financial Accounting II	Business	Change Course	<p>Description:</p> <p>Additional accounting theory and practice as it relates to preparation of financial statements. Prerequisite: ACCT 401. CL: 2020.</p> <p>Justification:</p> <p>The proposal is to make a section of ACCT 405 available as an online course in Summer session.</p> <p>Offering this class asynchronously over the summer makes a lot of sense for many students, especially those who have internships. It allows them to complete the coursework in the evenings after they are done with their daytime internship. Thus, they can get valuable internship experience while also staying on track with their coursework rather than having to choose between the two.</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: Pre-requisite: ACCT 401</p> <p>Proposed: No change in Pre/Coreqs.</p>			
ECON-516	Political Economy	Business	New Course	<p>Description:</p> <p>This course covers fundamental models of collective decision making, studies their empirical relevance, and considers interactions between the economy and politics.</p> <p>Justification:</p> <p>Political economy and the study of collective decision making is an important area of economics. Political economy has roots with classical economists such as Adam Smith and David Ricardo, has been the topic of study for Nobel Laureates such as James Buchanan, Kenneth Arrow, and Douglas North, and continues to remain an important area of research. Moreover, our students are well served by having training in political economy if they wish to work in large organizations, politics or public policy, or aim to be well rounded citizens and voters. An understanding of collective decision making is important in all of these arenas.</p> <p>Despite this, our department has not had a political economy course in the catalog. In Fall 2020 Dr. DeBacker is teaching a course on political economy as special topics course. This course has 50 students registered - thus showing the strong demand for such an offering.</p> <p>There are related courses in political science, such as POLI 303 - Modern Political Theory - but these courses do not cover the views, models, and approaches of the positive political economy school in economics.</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: Prerequisite: ECON 221 and ECON 222, or ECON 224, or equivalent with a grade of C or higher.</p> <p>Proposed: No change in Pre/Coreqs.</p>			
FINA-473	Corporate Governance and Agenc	Business	New Course	<p>Description:</p> <p>Exploring conflicts of interest between corporate managers and the providers of capital, and studying various mechanisms to address the misalignment of incentives and therefore restore firm value.</p>
	<p>Cross-Listing: No Cross-listings have been entered</p>			

	<p>Pre/Co-Requisites: Current: Prereq: FINA 363. A minimum grade of 'C' is required for the prerequisite. Proposed: No change in Pre/Coreqs.</p>			<p>Justification: This course will strengthen and diversify our elective offerings and provide students exposure to emerging, pertinent issues in corporate governance, capitalism, and financial ethics. These topics are not covered in great detail by our current course offerings. In addition, the instructor of this proposed course is well published and is a leading expert on corporate governance issues. We can take advantage of the strength of our current faculty to bring students to the frontier of business knowledge.</p>		
<p>MGMT-Concentration</p>	<p>Business Analytics Concentration</p>	<p>Business</p>	<p>Change Program</p>	<p>Justification: MKTG 448, Data Science for Business Decision-Making, is a course which focuses on using advanced data analytics for business decision-making in Marketing. Add this course to the Management Data Analytics Concentration aligns the concentration with data analytics concentration in other majors within the Business school, including the approved changed to Management Science (MGSC Change to Existing Program for Optional Business Analytics Concentration approved on Dec. 9, 2019.)</p>		
<p>MGSC-394</p>	<p>Data Analytics for Business</p>	<p>Business</p>	<p>Change Course</p>	<p>Description: Extracting, transforming, and analyzing data to support business intelligence and decision making. Business analytics, big data technologies, database and enterprise architecture, and information system project management and governance. Prerequisite: MGSC 290, MGSC 291. FS: 11/07/2018. CL: 2020.</p> <p>Justification: We are updating the description to match current content taught in the course.</p>		
<p>MGSC-395</p>	<p>Operations Management</p>	<p>Business</p>	<p>Change Course</p>	<p>Description: Management of activities/resources that result in the production of competitive goods and services in the global market place. Integrates cross-functional concepts from marketing, finance, and management. FS: 04/01/2020. CL: 2020.</p> <p>Justification: There was an audit done on various aspects of the bulletin. When auditing this course, many discrepancies were found, leading to confusion. Here are the discrepancies:</p> <table border="1" data-bbox="743 1934 1560 1999"> <tr> <td data-bbox="743 1934 1130 1999"> <p>Source</p> </td> <td data-bbox="1130 1934 1560 1999"> <p>Prerequisite</p> </td> </tr> </table>	<p>Source</p>	<p>Prerequisite</p>
<p>Source</p>	<p>Prerequisite</p>					

				<table border="1"> <tr> <td>2016-2017, 2017-2018, 2018-2019, 2019-2020 Bulletin</td> <td>Business Administration Minors: ACCT 222, ECON 224, and 3 hours of Statistics</td> </tr> <tr> <td>2020-2021 Bulletin</td> <td>None</td> </tr> <tr> <td>2016-2017, 2017-2018, 2018-2019 Major Maps</td> <td>STAT 206</td> </tr> <tr> <td>2019-2020, 2020-2021 Major Maps</td> <td>ACCT 222, ECON 224, and 3 hours of Statistics</td> </tr> </table> <p>We'd like to be consistent across all of these. We would like to make MGSC 291 the pre-req for MGSC 395.</p>	2016-2017, 2017-2018, 2018-2019, 2019-2020 Bulletin	Business Administration Minors: ACCT 222, ECON 224, and 3 hours of Statistics	2020-2021 Bulletin	None	2016-2017, 2017-2018, 2018-2019 Major Maps	STAT 206	2019-2020, 2020-2021 Major Maps	ACCT 222, ECON 224, and 3 hours of Statistics
2016-2017, 2017-2018, 2018-2019, 2019-2020 Bulletin	Business Administration Minors: ACCT 222, ECON 224, and 3 hours of Statistics											
2020-2021 Bulletin	None											
2016-2017, 2017-2018, 2018-2019 Major Maps	STAT 206											
2019-2020, 2020-2021 Major Maps	ACCT 222, ECON 224, and 3 hours of Statistics											
MGSC-486	Service Operations Management	Business	Change Course	<p>Description:</p> <p>Course focuses on the management of service operations, with considerable attention paid to cutting-edge quantitative techniques. Topics covered include facility location, waiting line management, and revenue management, among others.</p> <p>Justification:</p> <p>Added prereq of MGSC 291 since this course required prior knowledge of statistical concepts and tools.</p>								
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites: Current: MGSC 395</p> <p>Proposed: C or better in MGSC 291 and MGSC 395</p>											
MKTG-475	Consultative Selling	Business	New Course	<p>Description:</p> <p>Understand and demonstrate benefit and solution-based sales processes. Create daily discipline to drive sales performance.</p> <p>Justification:</p> <p>Students gain experience and understanding of the sales process by learning about consultative selling and relationship development practices. They apply these skills with experiential learning opportunities in this class and perform sales activities for real companies to demonstrate competencies with their skills, and through learning the daily disciplines used by sales professionals, they earn a certification in professional selling.</p>								
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites: Current: MKTG 350 Principles of Marketing - Pre-requisite with a "C" or better grade</p> <p>Proposed: No change in Pre/Coreqs.</p>											

3) Education (4 Proposals)

Course	Title	College	Proposal	Change Description
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			Type	
EDEX-670	Nature Multicat Disabilities	Education	New Course	<p>Description:</p> <p>Personal, social, and educational implications of a mild to moderate multi-categorical disability (emotional/behavioral, intellectual, and learning disabilities) throughout the lifespan of an individual.</p> <p>Justification:</p> <p>The faculty in the Programs in Special Education are proposing new Multicategorical Disabilities concentrations in our MEd and MAT in Special Education degrees to meet the need in the state for teachers who are prepared to work with students across the range of mild to moderate disabilities (learning disabilities, emotional and behavioral disabilities, intellectual disabilities).</p> <p>SCDE teacher certification requires a characteristics course related to the nature of the disability area. Currently our concentrations are categorical and thus we have 3 characteristics courses related to mild to moderate disabilities: one for learning disabilities, one for emotional and behavioral disabilities, and one for intellectual disabilities.</p> <p>Our new multicategorical concentration requires a single characteristics course that covers the nature of students with learning disabilities, emotional and behavioral disabilities, and intellectual disabilities. The proposed new course will serve that purpose in addressing the characteristics of students across this range.</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: Prerequisite: EDEX 523, grade of C or better</p> <p>Proposed: No change in Pre/Coreqs.</p>			
EDEX-671	Instruction Multicategorical	Education	New Course	<p>Description:</p> <p>Theory and application of current evidence-based procedures for teaching children with mild to moderate multi-categorical disabilities.</p> <p>Justification:</p> <p>The faculty in the Programs in Special Education are proposing new Multicategorical Disabilities concentrations in our MEd and MAT in Special Education degrees to meet the need in the state for teachers who are prepared to work with students across the range of mild to moderate disabilities (learning disabilities, emotional and behavioral disabilities, intellectual disabilities).</p> <p>SCDE teacher certification requires methods courses related to the disability area. Currently our concentrations are categorical and thus we have 3 methods courses related to mild to moderate disabilities: one for learning disabilities, one for emotional and behavioral disabilities, and one for intellectual disabilities.</p> <p>To streamline our program the faculty have elected to develop the proposed course, EDEX 671, as the primary methods class for our new multicategorical concentration. The course will address high-leverage practices in special education for students with</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: Pre-requisite or co-requisite: EDEX 670 If used as a pre-requisite, a grade of C or better is required in EDEX 670 to enroll in EDEX 671.</p> <p>Proposed: No change in Pre/Coreqs.</p>			

				learning disabilities, emotional and behavioral disabilities, and intellectual disabilities. The proposed new course, by addressing high leverage practices for students with varying disabilities, will allow us to include additional methods classes in our program of study with specialized content in reading instruction and math instruction for this population.
EDSE-575	Teaching Foreign Lang/Sec Sch	Education	Change Course	<p>Description:</p> <p>Current methods, techniques, and materials of instruction appropriate for secondary schools. Cross-listed Course: FORL 511</p> <p>Justification:</p> <p>This course requires students to prepare and present "mini" lessons in the foreign language. Students need to have completed the 200-level of their foreign language in order to perform these lessons.</p>
	<p>Cross-Listing: Cross-listed course 1</p> <hr/> <p>Designator: FORL Course Number: 511</p> <hr/> <p>Pre/Co-Requisites: Current: No Pre/Co-requisites entered Proposed: Pre-requisite: 210 level of a foreign language or its equivalent</p>			
ZZED-Minor	Education Minor	Education	Change Program	<p>Justification:</p> <p>This change will allow students planning to complete the Secondary Education 5th-Year program for teacher certification to complete the education minor. These 5th-year students major in the subject area they want to teach as an undergraduate while completing a core of education courses, then complete a one-year master's program for secondary education. Those going into English Education take EDSE 547 instead of EDSE 502 so adding this option will make the minor more attainable for these students. EDSE 547 is a methods, techniques, and materials class for secondary education and provides appropriate content for the education minor.</p> <p>You will also note that we are splitting the curriculum into two tables. This will make the curriculum easier to read in the bulletin, especially with the addition of the EDSE 547 option.</p>

4) Engineering & Computing (42 Proposals)

Course	Title	College	Proposal Type	Change Description
BIOE-Major./ Degree Program	Biomedical Engineering, BS	Engineering & Computing	Change Program	<p>Justification:</p> <p>The current bulletin has our "C or better" requirements listed for courses as both progression requirements and graduation</p>

requirements. Several students have expressed concern about the "C or better" requirements being graduation requirements, so we want to explicitly provide a list of courses that require a "C or better" for graduation.

The Biomedical Engineering Program voted to change BMEN 101 from 2 credit hours to 1 credit hour, remove BMEN 303 from the required course listing, and add a new course titled BMEN 302 to the required course listing. BMEN 303 was 1 credit hour, so adding BMEN 302, which is 2 credit hours, to the curriculum is not adding or deleting required credit hours. What follows are the justifications for the credit switch in BMEN 302, the removal of BMEN 303, and creation of BMEN 302.

BMEN 101

BMEN 101 is the first part in a two-part professional development course series within the Program of Biomedical Engineering. The second part of the current curriculum is BMEN 303: Professional Development and Ethics in Biomedical Engineering, a course typically taken by students in their second semester of junior year. BMEN 101 is currently a two-credit hour course and BMEN 303 is a one-credit hour course. The Biomedical Engineering Program would like to decrease the focus of professional development in the freshman course BMEN 101 with the aim of being able to increase the focus in professional development in the junior year. The Program feels strongly that an increase in professional development, more focus on soft skills and career development as well as increased focus on industry guidelines and regulation is much for beneficial for junior-level students who have a better understanding of biomedical concepts and are about to enter the job market. The Program would like to introduce professional biomedical skill sets in a one-credit hour class (BMEN 101) in the freshman year and then shift the in-depth discussion to junior year with a new two-credit hour course BMEN 302. The previous one-credit hour course BMEN 303 will be discontinued in favor of BMEN 302. With this new improved professional development series of BMEN 101 (freshman year, 1 credit hour) and BMEN 302 (junior year, 2 credit hours) students will be exposed to a step-wise advancement of professional skills and will experience higher-level exposure to concepts valuable to biomedical industry and research such as manufacturing standards, patent processes, and clinical trial regulations.

BMEN 302

The faculty have determined that additional instruction on professional development, industry guidelines, and regulations in biomedical engineering is needed than can provided by our existing 1-credit course BMEN 303. We are therefore creating a new 2-credit course BMEN 302, which will replace BMEN 303 effective the 2021 curriculum. Developing the new course rather than changing the credit hours of the existing course is

				<p>done to facilitate student graduation in older curriculum. BMEN 303 will eventually be terminated when it is no longer needed.</p> <p>The Biomedical Engineering Program voted on changing the Engineering and Technical elective lists.</p> <p>The Engineering Elective List was updated to make it easier for the students to chose a course that fits their plan of study while working with their academic advisor. This new list will greatly cut down on required petitions. There were a few courses that were directly affected by this change. We moved EMCH 111 to the techical elecive list, and we removed the two ECIV courses that were previously listed. The EMCH 111 course is better suited as a technical elective, and the ECIV courses were not taken by BMEN students due to their prerequisite constraints.</p> <p>The Technical Elective list adds 3 courses to it: EMCH 111, MGMT 371, and CSCE 145.</p>			
<p>BMEN-202</p>	<p>Prof Dev & Ethics in BMEN II</p>	<p>Engineering & Computing</p>	<p>Terminate Course</p>	<p>Description:</p> <p>Communication in the field of biomedical engineering, including technical writing and oral presentations with emphasis on professional development, articulation of a critical position, and productive intellectual exchange. Careers in the field of biomedical engineering. Planning and managing group projects. Ethical issues associated with biomedical engineering. Prerequisite: BMEN 101. CL: 2020.</p> <p>Justification:</p> <p>As part of its ABET-required continuous improvement the Biomedical Engineering Undergraduate Program underwent a curriculum change in 2017. As part of the curriculum change the sophomore-level course BMEN 202 was eliminated from the Undergraduate curriculum. The course was last offered to sophomores in the fall of 2016. To avoid confusion among students the Program would like to have this non-existing course removed from the Undergraduate Bulletin. None of the current or future students in the Program still need this course as a graduation requirement.</p>			
<p>BMEN-211</p>	<p>Comp Tools for Biomed Systems</p>	<p>Engineering & Computing</p>	<p>Terminate Course</p>	<p>Description:</p> <p>Introduction to modern computational modeling tools used in biomedical engineering. Analysis and visualization using engineering software as applied to problems of interest in biomedical engineering. Material balance modeling of biomedical systems. Prerequisite: C or better in MATH 141. Prerequisite or Corequisite: CHEM 111 or CHEM 141. FS: 12/07/2016. CL: 2020.</p> <p>Justification:</p> <p>As part of its ABET-required continuous improvement, the</p>			
<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: No Pre/Co-requisites entered</p> <p>Proposed: No change in Pre/Coreqs.</p>				<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: No Pre/Co-requisites entered</p> <p>Proposed: No change in Pre/Coreqs.</p>			

				<p>faculty of the Biomedical Engineering Program voted to eliminate the freshman course BMEN 211 in 2019. The Program felt that students were not prepared for a modeling class at this level, prior to having taken engineering core classes teaching the phenomena that are to be computer-modeled, and would benefit more from a higher-level Modeling and Simulation class after the necessary biotransport, biomaterial and biomechanics knowledge has been acquired. A new higher-level class, BMEN 411: Modeling and Simulation of Biomedical Systems has been created and added to the curriculum. BMEN 211 is no longer offered by the Biomedical Engineering Program.</p>
BMEN-212	Fundamentals Biomed Systems	Engineering & Computing	Change Course	<p>Description:</p> <p>Fundamentals of static equilibrium, free body diagrams, force and momentum balances; viscoelastic mechanical behavior and models of viscoelasticity; introduction to linear circuit analysis, filters, and amplifiers. Prerequisite: C or better in both CHEM 111 or CHEM 141, and MATH 141. FS: 12/04/2019. CL: 2020.</p> <p>Justification:</p> <p>BMEN 212 was added to the Biomedical Engineering Curriculum in F17 to strengthen students' base knowledge in statics and linear circuits prior to enrolling in higher-level engineering core courses within the Biomedical Engineering Program, specifically BMEN 263 and BMEN 321. After several offerings of the course, the Program repeatedly noticed during its annual course reviews that students struggle with the number of concepts crammed into the circuitry portion of the course material. The faculty voted to remove the instructions of filters and amplifiers in this base course for the benefit of spending more time on solving linear circuits. Increased focus on linear circuit analysis will benefit students in the subsequent course BMEN 321. Filters and amplifiers will be introduced in BMEN 321 after a solid foundation of linear circuit analysis has been laid in BMEN 212.</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: Prerequisites: C or better in both CHEM 111 or CHEM 141, and MATH 141. Corequisites: None</p> <p>Proposed: No change in Pre/Coreqs.</p>			
BMEN-260	Introduction to Biomechanics	Engineering & Computing	Terminate Course	<p>Description:</p> <p>Introduction to continuum mechanics including statics, dynamics, and deformable bodies using integrated laboratory experiences on biomaterials. Laws of motion. Free body diagrams. Stress and strain. Materials behavior, focusing on models relevant to biomaterials. Mechanical properties of biomaterials. Basic modes of biomaterial deformation. Prerequisite: C or better in BMEN 211, C or better in MATH 241, C or better in PHYS 211. FS: 12/02/2015. CL: 2020.</p> <p>Justification:</p> <p>As part of its ABET required continuous improvement, the faculty of the Biomedical Engineering Program voted to restructure its curriculum in 2016. A new freshman course, BMEN 212: Fundamentals of Biomedical Systems was</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: No Pre/Co-requisites entered</p> <p>Proposed: No change in Pre/Coreqs.</p>			

				introduced to strengthen students' deficit in Statics. With this new course a subsequent Biomechanics class that overlaps in content, BMEN 260: Introduction to Biomechanics needed to be altered. BMEN 263 was introduced in 2016 as a substitute for BMEN 260, and BMEN 260 was phased out of the curriculum. BMEN 260 is no longer a part of the Biomedical Engineering curriculum and is not offered anymore. The last offering was in 2018. We would like to remove BMEN 260 from the Undergraduate Bulletin to avoid confusion among students.
BMEN-271	Introduction to Biomaterials	Engineering & Computing	Change Course	<p>Description:</p> <p>Properties of metals, ceramics, polymers, natural materials and composites; methods to modify surface and bulk properties of biomaterials; mechanisms of degradation in physiological environments; cell- and tissue-biomaterial interactions; host response to implanted biomaterials; blood-biomaterial interactions; rational design of biomaterials for specific biomedical applications. Prerequisite: CHEM 333, C or better in BMEN 240 or BIOL 302, C or better in BMEN 260 or BMEN 263, C or better in BMEN 290. FS: 12/07/2016. CL: 2020.</p> <p>Justification:</p> <p>The Biomedical Program faculty would like to remove BIOL 302 and BMEN 260 from the prerequisite list for BMEN 271. BIOL 302 and BMEN 260 are no longer required classes of the Biomedical Engineering Undergraduate Curriculum. They were replaced with BMEN 240 and BMEN 263, respectively in the Fall of 2017. Both BMEN 240 and BMEN 263 are already on the prerequisite list for BMEN 271.</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: Prerequisites: CHEM 333, C or better in BMEN 240 or BIOL 302, C or better in BMEN 260 or BMEN 263, C or better in BMEN 290. Corequisites: none</p> <p>Proposed: Prerequisites: D or better in CHEM 333, C or better in BMEN 240, C or better in BMEN 263, C or better in BMEN 290. Corequisites: None</p>			
BMEN-290	Thermo of Biomolecular Systems	Engineering & Computing	Change Course	<p>Description:</p> <p>First, second, and third law of thermodynamics; free energy and chemical equilibrium in biological processes; phase equilibrium for biomedical systems; energy and metabolism; membrane potentials and depolarization. Prerequisite: C or better in BMEN 240 or BMEN 211, C or better in MATH 241, C or better in PHYS 211. FS: 12/07/2016. CL: 2020.</p> <p>Justification:</p> <p>As part of its ABET required continuous improvement, the faculty of the Biomedical Engineering Program voted to eliminate the freshman course BMEN 211 in 2019. The Program felt that students were not prepared for a modeling class at this level – prior to having taken engineering core classes teaching the phenomena that are to be computer-modeled, and would benefit more from a higher-level Modeling and Simulation class after the necessary biotransport, biomaterial and biomechanics knowledge has been acquired. A new higher-level class, BMEN 411: Modeling and Simulation of Biomedical Systems has been created and added to the</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: Prerequisites: C or better in MATH 241, C or better in BMEN 240 or BMEN 211, and C or better in PHYS 211. Corequisites: None</p> <p>Proposed: Prerequisites: C or better in MATH 241, C or better in BMEN 240, and C or better in PHYS 211. Corequisites: None</p>			

				<p>curriculum. BMEN 211 is no longer offered by the Biomedical Engineering Program. Additionally, some of the concepts previously taught in BMEN 211 applicable to BMEN 290 are now addressed in BMEN 240.</p> <p>Therefore, the Biomedical Engineering Program would like to eliminate the non-existing course BMEN 211 from BMEN 290's prerequisite while keeping the prerequisite of BMEN 240. BMEN 211 is no longer offered.</p>
BMEN-302	Prof Dev & Ethics in BMEN	Engineering & Computing	New Course	<p>Description:</p> <p>Analysis and discussion of biomedical industries, standards, regulations, products, and patents. Ethical issues associated with research, introduction of new products, animal subjects, and human subjects.</p> <p>Justification:</p> <p>The faculty have determined that additional instruction on professional development, industry guidelines, and regulations in biomedical engineering is needed than can be provided by our existing 1-credit course BMEN 303. We are therefore creating a new 2-credit course BMEN 302, which will replace BMEN 303 effective the 2021 curriculum. Developing the new course rather than changing the credit hours of the existing course is done to facilitate student graduation in older curriculum. BMEN 303 will eventually be terminated when it is no longer needed.</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: Prerequisite: BMEN 101</p> <p>Proposed: No change in Pre/Coreqs.</p>			
BMEN-321	Biomonitoring & Electrophysiol	Engineering & Computing	Change Course	<p>Description:</p> <p>Basic electric circuits and equivalent cell model circuits used in biomonitoring and electrophysiology. Ohm's and Kirchoff's Laws. Applications of electrical components, such as operations amplifiers, filter, and Wheastone bridge, in biomonitoring and electrophysiology. Origins of bioelectricity. Biopotential and electrochemistry including Nernst and Goldman-Hudgkin-Katz equations for describing membrane potential of nerve and muscle cells. Ion transport involved in maintaining cell pH, action potential, muscle contraction, sensory perception. Prerequisite: PHYS 212, C or better in BMEN 211 or BMEN 212, C or better in BMEN 240 or BIOL 302, C or better in MATH 242. FS: 12/07/2016. CL: 2020.</p> <p>Justification:</p> <p>The Biomedical Program faculty would like to remove BIOL 302 and BMEN 211 from the prerequisite list for BMEN 321. BIOL 302 and BMEN 211 are no longer required classes of the Biomedical Engineering Undergraduate Curriculum. BIOL 302 was replaced with BMEN 240 in the Fall of 2017 and concepts previously taught in BMEN 211 applicable to BMEN 321 are being covered in BMEN 212, which was also implemented in Fall 2017. Both BMEN 240 and BMEN 212 are already listed as prerequisites for BMEN 321.</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: Prerequisites: D or better in PHYS 212, C or better in BMEN 211 or BMEN 212, C or better in BMEN 240 or BIOL 302, C or better in MATH 242. Corequisites: None</p> <p>Proposed: Prerequisites: D or better in PHYS 212, C or better in BMEN 212, C or better in BMEN 240, C or better in MATH 242. Corequisites: None</p>			

<p>BMEN-345</p>	<p>Human Anat & Physio BMEN Eng</p>	<p>Engineering & Computing</p>	<p>Change Course</p>	<p>Description:</p> <p>Foundations for biomedical engineering with a focus on human anatomy and physiology. Introduction to the inter-relationships between tissue/organ structure and function; demonstration of how an engineering approach can promote understanding of these relationships. Recent biomedical engineering advances and their relations to underlying anatomy and physiology. Prerequisite: BMEN 271, C or better in BIOL 302 or BMEN 240. FS: 12/07/2016. CL: 2020.</p> <p>Justification:</p> <p>The Biomedical Program faculty would like to remove BIOL 302 from the prerequisite list for BMEN 345 and replace it with BMEN 240. BIOL 302 is no longer a required class of the Biomedical Engineering Undergraduate Curriculum. It was replaced with BMEN 240 in Fall 2017.</p>
<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: Prerequisites: D or better in BMEN 271, C or better in BIOL 302 or BMEN 240. Corequisites: None</p> <p>Proposed: Prerequisites: D or better in BMEN 271, C or better in BMEN 240. Corequisites: None</p>				
<p>BMEN-346</p>	<p>Medical Microbiol for Engr</p>	<p>Engineering & Computing</p>	<p>Change Course</p>	<p>Description:</p> <p>Qualitative and quantitative aspects of human system based medical microbiology; principles of diagnosis and control of representative human diseases. Elements of human immunological response and immune disorders. Prerequisite: BMEN 240 or BIOL 302. FS: 12/05/2018. CL: 2020.</p> <p>Justification:</p> <p>The Biomedical Program faculty would like to remove BIOL 302 from the prerequisite list for BMEN 346 and replace it with BMEN 240. BIOL 302 is no longer a required class of the Biomedical Engineering Undergraduate Curriculum. It was replaced with BMEN 240 in Fall 2017.</p>
<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: Prerequisites: D or better in BMEN 240 or BIOL 302. Corequisites: None</p> <p>Proposed: Prerequisites: D or better in BMEN 240. Corequisites: None</p>				
<p>BMEN-361</p>	<p>Biomedical Instrumentation</p>	<p>Engineering & Computing</p>	<p>Terminate Course</p>	<p>Description:</p> <p>Principles of and experimental measurements using bioinstrumentation. Data acquisition, processing, and statistical analysis. Lab and electrical safety. Analytical methods including hematology, human fluids analysis, biosensors, chromatographic techniques, electrophoresis, dialysis, spectrophotometry, fluorometry, and microscopy. Applications of bioinstrumentation in disease diagnosis. Prerequisite: BMEN 321, STAT 509. FS: 12/02/2015. CL: 2020.</p> <p>Justification:</p> <p>As part of its ABET required-continuous improvement, the faculty of the Biomedical Engineering Program voted to restructure its curriculum in 2016. BMEN 361 “Biomedical Instrumentation”, a 4-credit hour class (3 credits lecture, 1 credit lab) has been replaced with BMEN 363 “Biomedical Instrumentation”. BMEN 363 is a 3-credit hour class that is lacking the lab component. The 1-credit hour lab component</p>
<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: No Pre/Co-requisites entered</p> <p>Proposed: No change in Pre/Coreqs.</p>				

				was removed from BMEN 361 since a new lab series, BMEN 381 and BMEN 382 “Biomedical Engineering Laboratory I and II”, respectively have been implemented during the same curriculum change covering the lab material previously discussed in BMEN 361. BMEN 361 is not longer part of the Biomedical Engineering curriculum and is not offered anymore. The last offering was in 2019. We would like to remove BMEN 361 from the Undergraduate Bulletin to avoid confusion among students.
BMEN-381	Biomedical Engineering Lab I	Engineering & Computing	Change Course	<p>Description:</p> <p>Introduction to laboratory techniques and tools used for physiological measurements in biomedical engineering, with focus on biological, physical, and biomaterial methods. Data processing and analysis, as well as effective communication of results in written and oral form. Prerequisite: BMEN 260 or BMEN 263, STAT 509. Prerequisite or Corequisite: BMEN 271. FS: 12/7/2016. CL: 2020.</p> <p>Justification:</p> <p>As part of its ABET required continuous improvement, the faculty of the Biomedical Engineering Program voted to eliminate the sophomore course BMEN 260, starting Fall 2017. A new course BMEN 263 was introduced in 2017 as a substitute for BMEN 260, and BMEN 260 was phased out of the curriculum. BMEN 260 is no longer a part of the Biomedical Engineering curriculum and is not offered anymore. The last offering was in 2018. Therefore, the Biomedical Engineering Program would like to eliminate the non-existing course BMEN 260 from BMEN 381’s prerequisite list while keeping the prerequisite of BMEN 263.</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: Prerequisites: D or better in BMEN 260 or BMEN 263, D or better in STAT 509. Prerequisite or Corequisite: BMEN 271.</p> <p>Proposed: Prerequisites: D or better in BMEN 263, D or better in STAT 509. Prerequisite or Corequisite: D or better in BMEN 271.</p>			
BMEN-391	Kinetics in Biomolecular Syst	Engineering & Computing	Change Course	<p>Description:</p> <p>Kinetic theory applied to biomedical systems, including enzymatic reactions, cell growth, and kinetic models of biological systems. Prerequisite: CHEM 333 or CHEM 550 or BIOL 541; C or better in BMEN 290; C or better in MATH 242. FS: 12/07/2016. CL: 2020.</p> <p>Justification:</p> <p>The Biomedical Engineering Program faculty would like to remove the redundant prerequisite of CHEM 333 from the prerequisite list for BMEN 391. BMEN 391’s prerequisite list also includes CHEM 550/BIOL 541, for which CHEM 333 indirectly is a prerequisite.</p> <p>CHEM 333 is a prerequisite of CHEM 334 which is a prerequisite for CHEM 550/BIOL 541. Hence, there is no need to include CHEM 333 in the prerequisite list of BMEN 391.</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: Prerequisites: CHEM 333 or CHEM 550 or BIOL 541; C or better in BMEN 290; C or better in MATH 242. Corequisites: None</p> <p>Proposed: Prerequisites: D or better in CHEM 550 or BIOL 541; C or better in BMEN 290; C or better in MATH 242. Corequisites: None</p>			
BMEN-427	Sr Biomed Engr Design I	Engineering &	Change Course	<p>Description:</p>

		Computing		<p>Integrated team work/project management, voice of the patient, design specifications, design functions, design concepts, economic factors, concept selection and product architecture. The initial feasibility study, selection of the final design approach, and preliminary specifications are required by the end of the semester. Prerequisite: BMEN 271, BMEN 345, BMEN 354, BMEN 361 or BMEN 363. FS: 12/07/2016. CL: 2020.</p> <p>Justification:</p> <p>As part of its ABET required-continuous improvement, the faculty of the Biomedical Engineering Program voted to restructure its curriculum in 2016, and the new curriculum was implemented in 2017. BMEN 361 “Biomedical Instrumentation”, a 4-credit hour class (3 credits lecture, 1 credit lab) was replaced with BMEN 363 “Biomedical Instrumentation” and BMEN 361 was phased out of the curriculum. BMEN 363 teaches the same concepts as BMEN 361 but is lacking the lab component of BMEN 361. BMEN 361 is no longer a part of the Biomedical Engineering curriculum and is not offered anymore. The last offering was in the spring semester of 2019. Therefore, the Biomedical Engineering Program would like to eliminate the non-existing course BMEN 361 from BMEN 427’s prerequisite list while keeping the prerequisite of BMEN 363.</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: Prerequisites: D or better in all of: BMEN 271, BMEN 345, BMEN 354, BMEN 361 or BMEN 363.</p> <p>Proposed: Prerequisites: D or better in all of: BMEN 271, BMEN 345, BMEN 354, BMEN 363.</p>			
BMEN: 532	Mic/nanofld & Lab-on-a-Chip	Engineering & Computing	New Course	<p>Description:</p> <p>Basic fluid mechanics, capillary, drop and micro/nanoparticle, electrokinetics; micropump, mixer, preconcentrator, electrophoresis, microactuator and particle manipulator; sensors for pressure, velocity, concentration, temperature in environmental monitoring/biodefence, clinical diagnostics, drug discovery/delivery.</p> <p>Justification:</p> <p>This course has been offered as an experimental elective, under the BMEN 589 designator, for three offerings. During that time, the course content has been solidified and strong enrollments have indicated the utility of the course for biomedical engineering majors. Thus, we wish to convert the course to a permanent offering to be listed within the bulletin and offered on a regular basis.</p>
	<p>Cross-Listing:</p> <p>Cross-listed course 1</p> <p>Designator: EMCH</p> <p>Course Number: 562</p> <hr/> <p>Pre/Co-Requisites:</p> <p>Current: Prerequisites: D or better in CHEM 112/L or CHEM 142, D or better in PHYS 212</p> <p>Proposed: No change in Pre/Coreqs.</p>			
BMEN: 537	Bio Nano/Micro Electro-Mechan	Engineering & Computing	New Course	<p>Description:</p> <p>Fundamentals of nano- and microfabrication, metrology and their applications in biomedical engineering and science. The fabrication covers photolithography, nano/microfabrication for nano/microstructures, etching and additive techniques, MEMS integration and packaging, etc. Metrology focuses on characterization of nanostructures with imaging technologies.</p> <p>Justification:</p>
	<p>Cross-Listing:</p> <p>Cross-listed course 1</p> <p>Designator: EMCH</p> <p>Course Number: 567</p> <hr/>			

	<p>Pre/Co-Requisites: Current: Prerequisites: D or better in CHEM 112/L or CHEM 142, D or better in PHYS 212 Proposed: No change in Pre/Coreqs.</p>			<p>This course has been offered as an experimental elective, under the BMEN 589 designator, for three offerings. During that time, the course content has been solidified and strong enrollments have indicated the utility of the course for biomedical engineering majors. Thus, we wish to convert the course to a permanent offering to be listed within the bulletin and offered on a regular basis.</p>
<p>BMEN-546</p>	<p>Delivery of Bioactive Agents</p>	<p>Engineering & Computing</p>	<p>Change Course</p>	<p>Description: Routes of administration; mechanisms of drug absorption and biological barriers; pharmacokinetic modeling of drug distribution; drug excretion and biotransformation; design and evaluation of controlled release systems, targeted release systems, and responsive release systems. Prerequisite: BIOL 302, CHEM 333, MATH 142. FS: 12/02/2015. CL: 2020. Justification: The Biomedical Program faculty would like to remove BIOL 302 from the prerequisite list for BMEN 546 and replace it with BMEN 240. BIOL 302 is no longer a required class of the Biomedical Engineering Undergraduate Curriculum. It was replaced with BMEN 240, which was implemented in Fall 2017.</p>
<p>BMEN-547</p>	<p>Immunoengineering</p>	<p>Engineering & Computing</p>	<p>Change Course</p>	<p>Description: Engineering approaches to study and control immune reactions and their applications in therapy and diagnostics for infectious disease, cancer, allergy, autoimmunity, and transplantation. Prerequisite: C or better in BMEN 240 or BIOL 302. FS: 12/05/2018. CL: 2020. Justification: The Biomedical Program faculty would like to remove BIOL 302 from the prerequisite list for BMEN 547 and replace it with BMEN 240. BIOL 302 is no longer a required class of the Biomedical Engineering Undergraduate Curriculum. It was replaced with BMEN 240 in Fall 2017.</p>
<p>BMEN-548</p>	<p>Cardiovascular System for Engr</p>	<p>Engineering & Computing</p>	<p>Change Course</p>	<p>Description: Survey of cardiovascular development, anatomy, physiology and pathology. Recent advances in our understanding of the basic mechanisms of congenital cardiovascular defects and cardiovascular disease. Engineering principles, detection and treatment of cardiovascular defects. Prerequisite: BMEN 240 or BIOL 302. FS: 03/06/2019. CL: 2020. Justification: The Biomedical Program faculty would like to remove BIOL 302 from the prerequisite list for BMEN 548. BIOL 302 is no</p>
	<p>Cross-Listing: No Cross-listings have been entered Pre/Co-Requisites: Current: Prerequisites: D or better BIOL 302, CHEM 333, MATH 142. Corequisites: None Proposed: Prerequisites: D or better in all of: BMEN 240, CHEM 333, and MATH 142. Corequisites: None</p>			
	<p>Cross-Listing: No Cross-listings have been entered Pre/Co-Requisites: Current: Prerequisites: C or better in BMEN 240 or BIOL 302. Corequisites: None Proposed: Prerequisites: C or better in BMEN 240. Corequisites: None</p>			
	<p>Cross-Listing: No Cross-listings have been entered Pre/Co-Requisites: Current: Prerequisites: D or better in BMEN 240 or BIOL 302. Corequisites: None Proposed: Prerequisites: D or better in</p>			

	BMEN 240 Corequisites: None			longer a required class of the Biomedical Engineering Undergraduate Curriculum. It was replaced with BMEN 240 in Fall 2017.
BMEN-565	Advanced Biomechanics	Engineering & Computing	Change Course	<p>Description:</p> <p>Mathematical and theoretical analysis of the mechanical properties and functions of soft biological tissues to include arterial vessels. Prerequisite: BMEN 260 or BMEN 263. FS: 12/05/2018. CL: 2020.</p> <p>Justification:</p> <p>As part of its ABET required continuous improvement, the faculty of the Biomedical Engineering Program voted to eliminate the sophomore course BMEN 260, starting Fall 2017. A new course BMEN 263 was introduced in 2017 as a substitute for BMEN 260, and BMEN 260 was phased out of the curriculum. BMEN 260 is no longer a part of the Biomedical Engineering curriculum and is not offered anymore. The last offering was in 2018. Therefore, the Biomedical Engineering Program would like to eliminate the non-existing course BMEN 260 from BMEN 565's prerequisite list while keeping the prerequisite of BMEN 263.</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: Prerequisites: BMEN 260 or BMEN 263</p> <p>Proposed: Prerequisites: D or better in BMEN 263</p>			
CHME-Major / Degree Program	BSE in Chemical Engineering	Engineering & Computing	Change Program	<p>Justification:</p> <p>This course has recently been approved as a permanent ECHE course after being taught several times as an elective. We already approve this course as an elective for the B.S.E. in Chemical Engineering through petition. This just codifies this approval.</p>
CIVE-Major / Degree Program	Civil Engineering, BSE	Engineering & Computing	Change Program	<p>Justification:</p> <p>The statement "Must be passed with a grade of C or higher" for Engl 101, Math 141,142, Chem 111, 111L and Phsy 211 & 211 L was inadvertently added by Registrar. These statements are intended as prerequisite requirements, not degree requirements.</p> <p>Dynamics (ECIV 210) is no longer required in the new curriculum. It now counts as an ESM elective. The revised ESM elective description to include ECIV 210 and its equivalent makes it clear that Dynamics is an acceptable ESM elective.</p> <p>"Electrical Engineering for Non-Majors" (ELCT 220) covers a broader range of electrical engineering topics than ELCT 221, but at a slightly lower depth for each topic. Thus, it is more suitable for CEE students.</p> <p>Water as a Resource (GEOG 347) addresses topics that are complimentary to what is covered in ECIV 362. Thus, CEE</p>

				<p>students would benefit from taking GEOG 347 as an elective.</p> <p>CEE students are having difficulty getting into ENVR 321. Dr. Gwendelyn Geidel (Director of Undergraduate Studies for Environmental Science, Environmental Studies, Geological Science, Geophysics and Marine Science) suggested ENVR 331 and ENVR 533 as alternatives. Both of these courses address sustainability which are valuable to CEE students.</p>
ECIV-201	Computational Mthd Civ Engr	Engineering & Computing	Change Course	<p>Description:</p> <p>The use of computational tools and techniques for solving civil and environmental engineering problems. Overview of numerical methods including roots of equations, systems of linear equations, interpolation, and integration. Use of spreadsheets to analyze civil and environmental systems. Prerequisite: C or better in MATH 142 and ECIV 200. FS: 11/05/2014. CL: 2020.</p> <p>Justification:</p> <p>The phrase "use of spreadsheets" suggests that analysis of civil and environmental systems can only be done via Excel or other spreadsheet programs. The removal of this phrase is intended to indicate that there are many tools and techniques available, beyond spreadsheets.</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: Prerequisites: C or better in Math 142 and ECIV 200 or ENCP 200.</p> <p>Proposed: No change in Pre/Coreqs.</p>			
ECIV-303L	Civ Engr Materials Laboratory	Engineering & Computing	Change Course	<p>Description:</p> <p>Experiments, exercises, and demonstrations to accompany ECIV 303. Three hours per week. Prerequisite: ECIV 201 or ENCP 201. Corequisite: ECIV 303. FS: 12.2.2015. CL: 2020.</p> <p>Justification:</p> <p>This lab course requires students to use statistics to analyze and summarize the experimental data and write technical lab reports. ECIV 101 teaches students how to write engineering reports and STAT 509/STAT 511 teaches students about probability and statistics. The faculty has determined that students need to have these foundational knowledge and skills before taking the lab course.</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: Co-requisite: ECIV 303</p> <p>Proposed: Prerequisite: D or better in the following: ECIV 101, STAT 509 or STAT 511. Prerequisite or Corequisite: D or better in the following: ECIV 201 or ENCP 201, ECIV 303.</p>			
ECIV-330L	Geotechnical Laboratory	Engineering & Computing	Change Course	<p>Description:</p> <p>Laboratory associated with ECIV 330. Soil mechanics experiments, exercises, and demonstrations. Three hours per week. Prerequisite: ECIV 201 or ENCP 201. Corequisite: ECIV 330. FS: 12.2.2015. CL: 2020.</p> <p>Justification:</p> <p>This lab course requires students to use statistics to analyze and summarize the experimental data and write technical lab reports. ECIV 101 teaches students how to write engineering reports and STAT 509/STAT 511 teaches students about</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: Prerequisite or Corequisite: ECIV 330, ECIV 201 or ENCP 201</p> <p>Proposed: Prerequisite: D or better in</p>			

	the following: ECIV 101, STAT 509 or STAT 511. Prerequisite or Corequisite: D or better in the following: ECIV 201 or ENCP 201, ECIV 330.			probability and statistics. The faculty has determined that students need to have these foundational knowledge and skills before taking the lab course.
ECIV-340L	Transportation Engineering Lab	Engineering & Computing	Change Course	<p>Description:</p> <p>This course covers the principles of distances, elevations and angles that pertain to roadways, basic theories in engineering measurements and surveying calculations, and an introduction to mapping, for transportation engineering applications. Prerequisite or Corequisite: ECIV 340. FS: 12/07/2016. CL: 2020.</p> <p>Justification:</p> <p>This lab course requires students to use statistics to analyze and summarize the experimental data and write technical lab reports. ECIV 101 teaches students how to write engineering reports and STAT 509/STAT 511 teaches students about probability and statistics. The faculty has determined that students need to have these foundational knowledge and skills before taking the lab course.</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: Prerequisite or Corequisite: ECIV 340</p> <p>Proposed: Prerequisites: D or better in the following: ECIV 101, STAT 509 or STAT 511. Prerequisite or Corequisite: D or better in the following: ECIV 201 or ENCP 201, ECIV 340.</p>			
ECIV-350L	Into to Environmental Engr Lab	Engineering & Computing	Change Course	<p>Description:</p> <p>Physical, chemical, and biological analysis of water and wastewater. Three laboratory hours per week. Prerequisite: ECIV 201. Corequisite: ECIV 350. CL: 2020.</p> <p>Justification:</p> <p>This lab course requires students to use statistics to analyze and summarize the experimental data and write technical lab reports. ECIV 101 teaches students how to write engineering reports and STAT 509/STAT 511 teaches students about probability and statistics. The faculty has determined that students need to have these foundational knowledge and skills before taking the lab course.</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: Prerequisite or Corequisite: ECIV 350, ECIV 201 or ENCP 201</p> <p>Proposed: Prerequisites: D or better in the following: ECIV 101, STAT 509 or STAT 511. Prerequisite or Corequisite: D or better in the following: ECIV 201 or ENCP 201, ECIV 350.</p>			
ECIV-360	Fluid Mechanics	Engineering & Computing	Change Course	<p>Description:</p> <p>Principles of fluid statics and dynamics. Conservation of mass, momentum, and energy. Similitude and dimensional analysis, open channel flow, lift and drag forces, and introduction to turbulent flow. Prerequisite or Corequisite: ECIV 210 and MATH 241. FS: 11/05/2014. CL: 2020.</p> <p>Justification:</p> <p>The faculty have determined that ECIV 200 is a more appropriate prerequisite than ECIV 210 for this course (ECIV 360). Also, the faculty have determined that the topics in MATH 142 are sufficient for this course (ECIV 360). It should be noted that both ECIV 210 and MATH 241 are no longer required courses in the new ECIV curriculum (effective fall</p>
	<p>Cross-Listing:</p> <p>Cross-listed course 1</p> <hr/> <p>Designator: ENCP</p> <p>Course Number: 360</p> <p>.....</p> <p>Pre/Co-Requisites:</p> <p>Current: Prerequisite or Corequisite: ECIV 210 and Math 241.</p>			

	Proposed: Prerequisite or Corequisite: C or better in ECIV 200 or C or better in ENCP 200 and C or better in MATH 142.			2020).
ECIV-362L	Intro Water Resources Engr Lab	Engineering & Computing	Change Course	<p>Description:</p> <p>Experiments, exercises, and demonstrations on flow in pipes and open channels, pumps, flow measurement, seepage, and infiltration. Prerequisite: ECIV 201. Corequisite: ECIV 362. CL: 2020.</p> <p>Justification:</p> <p>This lab course requires students to use statistics to analyze and summarize the experimental data and write technical lab reports. ECIV 101 teaches students how to write engineering reports and STAT 509/STAT 511 teaches students about probability and statistics. The faculty has determined that students need to have these foundational knowledge and skills before taking the lab course.</p>
<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: Corequisite: ECIV 362 Prerequisites: ECIV 201 or ENCP 201</p> <p>Proposed: Prerequisite: D or better in the following: ECIV 101, STAT 509 or STAT 511. Prerequisite or Corequisite: D or better in the following: ECIV 201 or ENCP 201, ECIV 362.</p>				
ECIV-470	Civil Engineering Design	Engineering & Computing	Change Course	<p>Description:</p> <p>Application of hydraulic, geotechnical, and structural principles in design; project scheduling; cost estimation; ethics; environmental and social impact; design drawings; report documents. Prerequisite or Corequisite: D or Better in ECIV 111 or ENCP 102; D or better in two ECIV Distribution. Prerequisite: D or better in ECIV 307 FS: 12/04/2019</p> <p>Justification:</p> <p>ECIV 101 covers the basis of how to write reports for engineering projects. ECIV 470 requires students to submit engineering reports and therefore ECIV 101 should be a pre-requisite for ECIV 470”</p>
<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: Pre-requisite: ECIV 111 and two ECIV Distribution</p> <p>Proposed: Prerequisites: D or better in the following: ECIV 101 or ENCP 101 and ECIV 307. Pre or Corequisite: D or better in the following: ECIV 111 or ENCP 102 and Two ECIV Distributions.</p>				
ECIV-502	Life Cycle Assessment	Engineering & Computing	New Course	<p>Description:</p> <p>The steps of conducting and interpreting an environmental life cycle assessment on civil and environmental engineering systems. Fundamentals associated with conducting a life cycle assessment, including goal and scope, inventory analysis, impact assessment, and interpretation.</p> <p>Justification:</p> <p>This course covers an essential topic in Civil and Environmental Engineering that is not taught in any other class in the curriculum. It benefits both undergraduate and graduate students.</p>
<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: Prerequisites: D or better in ECIV 350 and D or better in either ECIV: 303, 325, 327, 330, 340 or 362</p> <p>Proposed: No change in Pre/Coreqs.</p>				
ECIV-543	Traffic Safety Analysis	Engineering & Computing	New Course	<p>Description:</p> <p>Research concepts and methodologies to enable students to</p>

		Computing		<p>identify the underlying reasons and factors that contribute to traffic crashes and determine appropriate countermeasures.</p> <p>Justification:</p> <p>Traffic safety is an essential topic in transportation engineering. It is considered as one of four pillars in transportation engineering: traffic engineering, highway design, transportation planning, and traffic safety. The department currently offers courses for the other three pillars, except for traffic safety. This course will benefit both undergraduate and graduate students.</p>
ECIV-562	Engineering Hydrology	Engineering & Computing	Change Course	<p>Description:</p> <p>Applications of hydrologic techniques to design problems; stormwater simulation models; urban stormwater. Prerequisite: ECIV 360. FS: 11/04/2015. CL: 2020.</p> <p>Justification:</p> <p>The knowledge introduced in ECIV 362 is needed for students to be successful in ECIV 562.</p>
ECIV-563	Subsurface Hydrology	Engineering & Computing	Change Course	<p>Description:</p> <p>Hydrologic cycle, subsurface physical properties, equations of groundwater flow, well flow, well design, groundwater resource development, design of dewatering systems, groundwater contamination. Prerequisite: ECIV 201, ECIV 360. CL: 2020.</p> <p>Justification:</p> <p>The knowledge introduced in ECIV 362 is needed for students to be successful in ECIV 563.</p>
ELCT-302	Real Time Systems Laboratory	Engineering & Computing	Change Course	<p>Description:</p> <p>Real-time design and development on an unmanned ground vehicle platform. Prerequisite: ELCT 301. Prerequisite or Corequisite: ELCT 331. FS: 12/03/2014. CL: 2020.</p> <p>Justification:</p> <p>2 Changes:</p> <ul style="list-style-type: none"> -Bulletin description was revised to provide more details of the actual course content. There has been no change to the course content. -Administrative change to clarify minimum grade in

				prerequisites.
EMCH-562	Mic/nanofldics & Lab-on-a-chip	Engineering & Computing	Change Course	<p>Description:</p> <p>Basic fluid mechanics, capillary, drop and micro/nanoparticle, electrokinetics; Micropump, mixer, preconcentrator, electrophoresis, microactuator and particle manipulator; Sensors for pressure, velocity, concentration, temperature in environmental monitoring/biodefence, clinical diagnostics, drug discovery/delivery. Restricted to: Upper division. Prerequisite: CHEM 112, CHEM 112L, PHYS 212. CL: 2020.</p>
<p>Cross-Listing: No Cross-listings have been entered</p>				
<p>Pre/Co-Requisites:</p>				
<p>Current: No Pre/Co-requisites entered</p>				
<p>Proposed: Prerequisites: D or better in CHEM 112/L or CHEM 142, D or better in PHYS 212</p>				<p>Justification:</p>
				<p>Change required</p> <ol style="list-style-type: none"> (1) Remove current "Restricted to: Upper division" in the Course Description. (2) Add "Prerequisites: D or better in CHEM112/L or CHEM 142, D or better in PHYS 212" in Prerequisite. (3) Remove current "Prerequisites: CHEM 112, CHEM 112L, PHYS 212, Phys 212" in Course Description. (4) Number Times Course can be taken for credit should is requested to change from 0 to 1. (5) Add corss-listed with BMEN 532.
				<p>Justification of the change</p>
				<p>The reasons for the request of the changes of the "Restricted to: Upper division" in the Bulletin Information are:</p>
				<p>The college of Engineering and Computing does not have the requirement of the upper and lower division anymore.</p>
				<p>Since EMCH 562 is a 500 level course, the original syllabus does not and should not have the "Restricted to: Upper division".</p>
				<p>Prerequisite change:</p>
				<p>Currently there is no prerequisite content under Prerequisites, i.e. the Prerequisites are empty. However, the prerequisite content is given under the Course Description. The prerequisite content is expected to be under Prerequisites. In</p>

				<p>addition, CHEM 112/L and CHEM 142 are equivalent and either one is sufficient for the prerequisite.</p> <p>Number Times Course can be taken for credit should not be 0 but 1.</p> <p>A new course BMEN 532 is proposed and is the same as the EMCH 562. Therefore a cross-listed is requested.</p>
<p>EMCH-567</p>	<p>Bio Nano/Micro Electro-Mech</p>	<p>Engineering & Computing</p>	<p>Change Course</p>	<p>Description:</p> <p>Nano/microfabrication for nano/microstructures, photolithography, self-assembly, etching techniques, physical and chemical vapor deposition, surface and bulk micromachining, MEMS integration and packaging; applications in Biomedical Engineering; microactuators, biomicrosensors, and biomedical devices. Prerequisite: CHEM 112, CHEM 112L, PHYS 212. FS: 11/05/2014. CL: 2020.</p> <p>Justification:</p> <p>The reasons for the request of the change is that current content under the Prerequisite is empty in APPS. However, in the Course Description in APPS, there is prerequisite. The prerequisite content is expected to be added under prerequisite.</p> <p>In addition, CHEM 112/L and CHEM 142 are equivalent and either one is sufficient for the prerequisite.</p> <p>A new course BMEN 537 is proposed and is the same as the EMCH 567. Therefore a cross-listed is requested.</p> <p>Number Times Course can be taken for credit should not be 0, but 1.</p>
<p>ENCP-103</p>	<p>Explore Engineering Computing</p>	<p>Engineering & Computing</p>	<p>Change Course</p>	<p>Description:</p> <p>Introduction to new, contemporary, and emerging issues in engineering and computing that are not regularly included in lower division courses. Course content varies and will be announced in the schedule of classes. FS: 12/05/2018. CL: 2020.</p> <p>Justification:</p> <p>This APPS proposes to (a) change the variable credit from 1-6 to 0-6, (b) add Pass/Fail grading option, and (c) get approval for distributed learning delivery.</p>
<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: No Pre/Co-requisites entered</p> <p>Proposed: Prerequisites: D or better in CHEM 112/L or CHEM 142, D or better in PHYS 212</p>				
<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: No Pre/Co-requisites entered</p> <p>Proposed: No change in Pre/Coreqs.</p>				

				<p>The motivation for these changes is an incipient First Scholars Program providing a summer bridge and scholarships for a cohort of first-generation CEC freshmen. We want to be able to offer a section of this class for the cohort of students in that program to provide structured student support. Offering the class as 0 (zero) credit provides a common meeting time to support the student cohort, allows the class to meet less than 1 hour/week for the full semester, and does not charge tuition. Pass/Fail grading is appropriate for a 0-credit class which by definition does not factor into GPA. Since a 0-credit class is not degree-applicable, Pass/Fail grading is ok from that perspective as well. Finally, distance learning delivery approval facilitates student participation.</p> <p>Beyond this specific application, the proposed features will make the class more useful for a variety of purposes in the future.</p>
<p>ITEC-Major/Degree Program</p>	<p>Integrated Information Technology, BS</p>	<p>Engineering & Computing</p>	<p>Change Program</p>	<p>Justification:</p> <p>We are trying to get our program approved as a fully online program. (NOTE: a separate proposal will be submitted to do this). But to prepare, we need all courses required for the program must be approved for online delivery. The existing Law course (SPTE 240) and Communication course (SPCH 140) are not approved, but the alternate courses (ACCT 324 - Survey of Commercial Law and SPCH 145 - Online Public Communication) being added are. We are also adding these courses as an alternate to the existing required courses to give our students more flexibility in scheduling.</p> <p>We are adding ACCT 222 as an alternative to RETL 261 & RETL 262, which provides the introduction to Accounting that we want in our program while at the same time freeing up 3 credits to take other courses. The three credits were added to free electives to give the students more flexibility. We allow students either path (either taking the RETL or ACCT courses) to give more scheduling flexibility.</p> <p>We are adding MGMT 250 - Professional Communication as an option for ITEC 242. This is mainly to accommodate transfer students.</p>
<p>ITEC-245</p>	<p>Introduction to Networking</p>	<p>Engineering & Computing</p>	<p>Change Course</p>	<p>Description:</p> <p>Understanding the essential concepts of computer networks, including standards, topologies, security, media, switching, routing, and more. Prerequisite: C or better in ITEC 233. FS: 11/07/2018. CL: 2020.</p> <p>Justification:</p> <p>College has two sections of ITEC-245 each term, requesting</p>
<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites: Current: prerequisite - ITEC-233, C or better</p>				

	Proposed: No change in Pre/Coreqs.			approval for on-line delivery in addition to in-seat delivery.
ITEC-444	Intro to Human Computer Int	Engineering & Computing	Change Course	<p>Description:</p> <p>Human computer interaction: human factors of interactive software, methods to develop and assess interfaces, interaction styles, and design considerations. Prerequisite: C or better in either CSCE 204 or CSCE 145; and C or better in ITEC 362. FS: 12/05/2018. CL: 2020.</p> <p>Justification:</p> <p>The only change we are making is adding ITEC 204 to the prereq list. ITEC 204 is cross listed with CSCE 204 so they are equivalent.</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: Prerequisites: C or better in either CSCE 204 or CSCE 145; and C or better in ITEC 362.</p> <p>Proposed: Prerequisites: C or better in either CSCE204, ITEC204, or CSCE145; & C or better in ITEC362.</p>			

5) Honors College (2 Proposals)

Course	Title	College	Proposal Type	Change Description
SCHC-Major / Degree Program	Interdisciplinary Studies, BARSC	Honors College	Change Program	<p>Justification:</p> <p>This degree program was never updated in the Bulletin when other degree programs changed to the Program of Study format. Further, this degree program was never updated to reflect Carolina Core requirements. I have been working with Jenn Tilford to update the BARSC degree requirements to align with the current UofSC undergraduate bulletin format and to align with Carolina Core requirements. This will help SCHC students to more clearly understand the requirements for this degree.</p>
SCHC-Minor	Inquiry Minor	Honors College	Terminate Program	<p>Justification:</p> <p>The South Carolina Honors College would like to terminate this minor for the follow reasons:</p> <ol style="list-style-type: none"> 1. No students have enrolled in this minor in at least the last decade, as far as we can determine from our records. 2. The overview of the minor is incorrect, based on current Honors College practices. It states that students not admitted to Honors may participate in this minor. However, with the exponential growth of the Honors College student enrollment over the past 10 years, we do not have the capacity in our courses, or available faculty, to regularly include non-Honors students in Honors courses.

3. The required courses listed for this minor are either outdated or no longer taught.

6) Hospitality, Retail, & Sport Management (6 Proposals)

Course	Title	College	Proposal Type	Change Description
HRTM-Concentration	Club Management	Hospitality, Retail, & Sport Management	Change Program	<p>Justification:</p> <p>The proposed change clarifies the route a student should take for obtaining a concentration in Club Management. The additional courses offered allow the student more flexibility in scheduling and choosing an area of particular interest.</p>
HRTM-Major / Degree Program	BS in Hospitality Management	Hospitality, Retail, & Sport Management	Change Program	<p>Justification:</p> <p><i>After thorough review of feedback from students, faculty and industry partners, through discussions and surveys conducted over the last few years, consensus was reached that it is essential for the hospitality and tourism programs to have customer service/service management as a required part of the curriculum. As sectors of the service and experience economies, customer service plays a crucial role in the success of hospitality and tourism. Students pursuing management careers will need these kinds of soft skills for job placement.</i></p>
HRTM-Major / Degree Program	BS in Tourism Management	Hospitality, Retail, & Sport Management	Change Program	<p>Justification:</p> <p>The change in HRTM 290 going from required to elective is for several reasons. One, most students in HRTM have significant industry experience; those that do not will have the option of taking HRTM 290. All HRTM students will still have to complete HRTM 495 Internship, requiring them to have at least one supervised experiential learning experience. This change was also done to provide the additional skills set of Finance and/or Service into the HRTM academic required curriculum.</p>
HRTM-290	Hospitality & Tourism Prac	Hospitality, Retail, & Sport Management	Change Course	<p>Description:</p> <p>Supervised full-time work experience in an area of the hospitality and tourism industry, selected by the student and approved by the practicum coordinator. 400 hours required. CL: 2020.</p> <p>Justification:</p> <p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites: Current: No Pre/Co-requisites</p>

	entered Proposed: No change in Pre/Coreqs.			The course is being changed to an elective as opposed to a required course. Changing the credit from six hours to three hours reflects the practicum has neither the same academic requirements as the internship nor the same depth of experiential learning. The six credits are being made up through hospitality service management, hospitality finance, and/or a professional elective. Students will still have the option of taking this class if they would like industry experience.
INDS-Major / Degree Program	BA in Interdisciplinary Studies	Hospitality, Retail, & Sport Management	Change Program	Justification: The majority of students in this program transfer from other majors and/or are active military or veterans. The BAIS students are non-traditional. They typically have a significant number of credits (at least 60) or are at least 25 years old before joining this major. Opening the option of all CMS courses to this major fits the diverse nature of this students body. These courses will also act as a transfer friendly alternative to only accepting two CMS courses.
RETL-462	Merchandise Mgt. Strategy	Hospitality, Retail, & Sport Management	Change Course	Description: The knowledge of the principles of merchandising as applied in manufacturing and retailing business organization and understanding of the retail buyer's role in merchandise management including merchandise planning, negotiating, buying, pricing, assorting, and timing. Prerequisite: RETL 366 and RETL 368. FS: 04/05/2017. CL: 2020. Justification: This proposal is to add a distributed learning option for the course. Please see the distance delivery justification.
	Cross-Listing: No Cross-listings have been entered Pre/Co-Requisites: Current: RETL366 Retail Buying and RETL368 Fashion Product Analysis (Student must earn a "C" or better in the prerequisites) Proposed: No change in Pre/Coreqs.			

7) Information & Communications (15 Proposals)

Course	Title	College	Proposal Type	Change Description
JOUR-Minor	Sports Media Minor	Information & Communications	New Program	Justification: The sports media is one of the fastest growing areas in the world of the media. Live television rights in the United States were estimated to be worth \$22.42 billion in 2019, with hundreds of different television stations and online outlets showing live sporting events. Seemingly every professional and amateur team, league, and athlete is active on social media. For students looking to enter the field of sports media, this

				<p>minor will prepare them to enter the workforce. For sports fans, this minor will help them become better media consumers who can identify inequalities in sports media production and representation.</p> <p>The demand for Sports Media courses and programs is already apparent in the School of Journalism and Mass Communications. The introductory course, Sports Media and Society, has a capacity of 200 students and fills up within the first days of registration. Additional courses such as Sports Journalism, Live Sports Announcing, and Super Bowl Commercials routinely have waiting lists of students hoping to get in.</p> <p>The minor has also been developed with faculty and departmental resources in mind. The classes will primarily be taught by dedicated Sports Media faculty, which will ensure that other programs within SJMC are not being shortchanged. The majority of the courses will seat at least 100 students, with no prerequisites, and additional online offerings, meaning that there should be no bottlenecks and many opportunities for students to enroll in the classes they wish.</p>
JOUR-Major / Degree Program	Advertising, BAJMC	Information & Communications	Change Program	<p>Justification:</p> <p>JOUR 316L is considered a lab and only 1 credit but the learning outcomes and knowledge of the content needed for the students to move on in the sequence forces the students to do the workload of a 3 credit course which is unfair to them and has caused a lot of problems over the years since this was created. For this reason we are dropping the JOUR 316L 1 credit lab and replacing it with this new 3 credit version which has the same learning outcomes as the 1 credit lab. This course is required in order to know how to make ads for all courses after this one and is a prerequisite for higher-level departmental courses. The current section of JOUR 316 (3 credit course) that was originally attached to this course will remain in place but the learning outcomes are spread out over JOUR 316 and JOUR 317. The two additional credit hours needed to create this course are easily pulled from the journalism electives required since there are currently 11 credit which is an odd number. Taking the journalism electives down to 9 credits puts us in line with the other sequences and also removes the burden placed upon our athletes due to many 1 credit courses getting canceled due to low enrollment.</p>
JOUR-291	Writing for Mass Communication	Information & Communications	Change Course	<p>Description:</p> <p>Basic writing skills for all areas of the mass media. Lecture-laboratory. Prerequisite: C or better in ENGL 101 and ENGL 102. FS: 06/12/2013. CL: 2020.</p> <p>Justification:</p> <p>This course is required of all majors in the school of journalism</p>
<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p>				

	<p>Current: No Pre/Co-requisites entered</p> <p>Proposed: No change in Pre/Coreqs.</p>			<p>and mass communications. Course delivery needs to be as flexible as possible to avoid bottle necks in student progression due to social distancing requirements related to COVID and to provide more flexibility for student enrollment, especially during the summer.</p>
JOUR-304	Internet & Social Media Law	Information & Communications	New Course	<p>Description:</p> <p>Examination of the origins and history of First Amendment and related law and ethics, with an emphasis on how they apply to the Internet and social media.</p> <p>Justification:</p> <p>New developments in media law related to the internet and social media make this course timely and with a focus that is in demand by SJMC majors and UofSC minors alike.</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: No Pre/Co-requisites entered</p> <p>Proposed: No change in Pre/Coreqs.</p>			
JOUR-316	Toolkit for Brand Comm	Information & Communications	Change Course	<p>Description:</p> <p>The theories, principles and conventions of powerful brand communications, both visual and verbal. Prerequisite: JOUR 202 and JOUR 291. Corequisite: JOUR 316L. FS: 06/12/2013. CL: 2020.</p> <p>Justification:</p> <p>This minor change is taking place due to many problems associated with having a lab that requires the amount of work of a 3 credit course but only offers 1 credit for it. This should also resolve complaints from students, faculty, and advisors. It additionally resolves problems with student athletes and certain scholarships that prevent students from taking more than 120 hours. Often times the 1 credit lab created a problem where a student would end up with 121 hours because the additional 1 credit course put in place to fill in the 2 missing credits caused by the 1 credit lab would be canceled due to low enrollment. This course is not changing anything other than the name and the way the learning outcomes are written in order to better communicate the class purpose. The 1 credit lab (JOUR 316) associated with this course will be removed and replaced with a new course (JOUR 317) which covers the learning outcomes in the lab but provides the full 3 credits the students deserve to receive.</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: Pre-requisites JOUR 202 and JOUR 291, grade of C or better.</p> <p>Proposed: No change in Pre/Coreqs.</p>			
JOUR-316L	Toolkit for Brand Comm Lab	Information & Communications	Change Course	<p>Description:</p> <p>Project execution related to visual and verbal concepts of brand communications. Prerequisite: JOUR 202 and JOUR 291. Corequisite: JOUR 316. FS: 06/12/2013. CL: 2020.</p> <p>Justification:</p> <p>This course is currently name JOUR 316L and is attached to JOUR 316 which is a 3 credit course. JOUR 316L is</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: Pre-requisites JOUR 202 and JOUR 291 - Grade of C or better</p>			

Proposed: No change in Pre/Coreqs.

considered a lab and only 1 credit but the learning outcomes and knowledge of the content needed for the students to move on in the sequence forces the students to do the workload of a 3 credit course which is unfair to them and has caused a lot of problems over the years since this was created. For this reason we are dropping the JOUR 316L 1 credit lab and replacing it with this new 3 credit version which has the same learning outcomes as the 1 credit lab. This course is required in order to know how to make ads for all courses after this one and is a prerequisite for higher-level departmental courses. The current section of JOUR 316 (3 credit course) that was originally attached to this course will remain in place but the learning outcomes are spread out over JOUR 316 and JOUR 317. The two additional credit hours needed to create this course are easily pulled from the journalism electives required since there are currently 11 credit which is an odd number. Taking the journalism electives down to 9 credits puts us in line with the other sequences and also removes the burden placed upon our athletes due to many 1 credit courses getting canceled due to low enrollment.

[JOUR-348](#)

Creative Thinking	Information & Communications	New Course
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Cross-Listing: No Cross-listings have been entered

Pre/Co-Requisites:

Current: No Pre/Co-requisites entered

Proposed: No change in Pre/Coreqs.

Description:

This course introduces the fundamental principles of creative behavior. Theoretical and practical methods of problem-solving as well as discovery, evaluation, and implementation of new ideas.

Justification:

This course is essential in teaching students critical thinking, leadership, and problem-solving. We need to prepare our students for jobs that don't exist yet, and the skills taught in this course will help them thrive and lead in times of change.

[JOUR-384](#)

Prof Perspectives in Biz Comm	Information & Communications	New Course
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Cross-Listing: No Cross-listings have been entered

Pre/Co-Requisites:

Current: Pre-requisite JOUR382, grade of C or better.

Proposed: No change in Pre/Coreqs.

Description:

These classes focus on specific areas of business communications to either deepen students' understanding of the subject or improve their ability with a particular skill (reporting, writing, editing, videography, social media, etc.). These topics may change from term to term.

Justification:

This Container Course gives School of Journalism and Mass Communications faculty a chance to teach various one-credit classes that help students deepen their knowledge or hone their skills in a particular facet of business journalism and business communications. Classes could be taught on a weekly schedule, as an intense one-, two- or three-day workshop, during spring break, Maymester, over the summer or in a variety of other formats. A large focus for this class will be bringing in professionals from the field to teach students in their area of expertise, and their presence on campus will help our students build a professional network.

JOUR-391	Sports Media and Society	Information & Communications	Change Course	<p>Description:</p> <p>History of sports media and an analysis of current relationships between the sports industry, athletes, media, social media and the audience. FS: 12/7/2016. CL: 2020.</p> <p>Justification:</p> <p>This course is of high interest to students as a general elective and is required for our Sports Media concentration and minor. Providing the course online will allow the department to offer the class to more students. The course materials incorporate basic accessibility features, provide for appropriate learning activities and allow for appropriate interaction.</p>
<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites: Current: No Pre/Co-requisites entered Proposed: No change in Pre/Coreqs.</p>				
JOUR-436	Public Relations Writing	Information & Communications	Change Course	<p>Description:</p> <p>Special areas of writing for public relations. Prerequisite: JOUR 201 and JOUR 291. FS: 06/12/2013. CL: 2020.</p> <p>Justification:</p> <p>This course is required of all PR students. The department is currently unable to teach enough face-to-face sections to meet the course demand. Providing the course online will allow the department to offer larger sections, not be bound by physical classroom space, and allow more students to complete the course. The course materials incorporate basic accessibility features, provide for appropriate learning activities and allow for appropriate interaction.</p>
<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites: Current: No Pre/Co-requisites entered Proposed: No change in Pre/Coreqs.</p>				
JOUR-447	Photo Comm II: Adv Photo	Information & Communications	Change Course	<p>Description:</p> <p>Developing professional, portfolio-quality photographic images for use in the mass media. Prereq: JOUR 347 FS: 06/12/2013</p> <p>Justification:</p> <p>This is part of a three-course realignment of part of the visual communications sequence core of JOUR 347, JOUR 447 and JOUR 448. This course is several years old, so we are updating the description and learning outcomes to better align with our current/future needs. This course is also be popular for many undergraduates who have the prerequisite course.</p>
<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites: Current: Prerequisite of JOUR 347, grade of C or above. Proposed: No change in Pre/Coreqs.</p>				
JOUR-449	Design of Online Content	Information & Communications	Change Course	<p>Description:</p> <p>Introduction to the skills and processes involved in the design and display of online content such as interactive graphics, animation, and video. Considerations for designing and delivering content on a variety of platforms from personal computers to mobile devices. Prerequisite: JOUR 346. FS: 06/12/2013. CL: 2020.</p>
<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites: Current: Prerequisites JOUR 346 Graphics for Visual Communications</p>				

with a C or higher A grade of C in this course is required for it to be counted towards the College of Information and Communications graduation requirements.

Proposed: No change in Pre/Coreqs.

Justification:

This course is of high interest to students as a pre-requisite for a higher-level departmental course. Providing the course online will allow the department to offer larger sections, not be bound by physical classroom space, and allow more students to complete the course during the fall, spring, and summer. The course materials incorporate basic accessibility features, provide for appropriate learning activities and allow for appropriate interaction.

[JOUR-452](#)

Photojournalism	Information & Communications	New Course
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Cross-Listing: No Cross-listings have been entered

Pre/Co-Requisites:

Current: Pre-requisite JOUR347, grade of C or better.

Proposed: No change in Pre/Coreqs.

Description:

Immersive course in long-form photojournalism storytelling. Students will spend the semester documenting a topic, with emphasis on gathering images with high technical level and compelling content. Class will edit content and create a presentation for the public compelling content.

Justification:

Course came about with special funding from a donor interested in promoting photojournalism. It includes an intensive weekend photo workshop led by professionals in the photo industry, as well as scholarships for students with the best projects at the end of the year. It is intended to build portfolios and create images that are competitive in photojournalism contests. It has been taught as a special topics course since 2018.

[JOUR-482](#)

Business Reporting and Writing	Information & Communications	New Course
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Cross-Listing: No Cross-listings have been entered

Pre/Co-Requisites:

Current: Pre-requisite JOUR382, grade of C or better.

Proposed: No change in Pre/Coreqs.

Description:

This course is designed to build on your basic knowledge of various aspects of business and give you the tools and skills you need to synthesize sometimes complex information and communicate it clearly and accurately to an audience.

Justification:

Employers are looking for people who not only understand business but can write about it in a way that makes it easy for an audience to understand. This class is designed to help you do just that. Students learn in this class how to find and use public records for researching and reporting about various business topics and business entities. And they learn how to frame the topics for an audience. This class is part of a series of courses offered at the School of Journalism and Mass Communication to prepare students for a variety of jobs in journalism, public relations and advertising. Almost everyone in the communications field now needs some understanding of business and economics to succeed: some journalists cover business and finance, other journalists cover other beats (sports, education, entertainment, etc.) and need to understand how the businesses on their beat operate, students in advertising need to understand how the companies they represent function, and many in public relations are tasked with

				explaining their companies to the public. In this class we give students an understanding of business topics, show them the tools to research and report on these topics, and develop their writing skills to communicate this knowledge to an audience.
JOUR-483	Report & Write About Economy	Information & Communications	New Course	<p>Description:</p> <p>This course is designed to build on your basic knowledge of various aspects of the economy and give you the tools and skills you need to synthesize sometimes complex information and communicate it clearly and accurately to an audience.</p> <p>Justification:</p> <p>Employers are looking for people who not only understand economics but can write about it in a way that makes it easy for an audience to understand. This class is designed to help you do just that. Students learn in this class how to find and use economic data and other public records for researching and reporting about various economic issues. And they learn how to frame the topics for an audience. This class is part of a series of courses offered at the School of Journalism and Mass Communication to prepare students for a variety of jobs in journalism, public relations and advertising. Almost everyone in the communications field now needs some understanding of business and economics to succeed. In this class we give students an understanding of economic issues and topics, show them the tools to research and report on these topics, and develop their writing skills to communicate this knowledge to an audience.</p>
<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: No Pre/Co-requisites entered</p> <p>Proposed: No change in Pre/Coreqs.</p>				

8) Nursing (2 Proposals)

Course	Title	College	Proposal Type	Change Description
NURS-Major/Degree Program	Nursing-Generic, B.S.N.	Nursing	Change Program	<p>Justification:</p> <p>Currently, the CON major map includes NURS 112 at 1 credit hour and NURS 212 at 2 hours. The BSN academic council has revised NURS 112 to include and build content from NURS 112 and NURS 212 by increasing the credit hours of NURS 112 from 1 credit hour to 3 credit hours essentially combining the two courses but keeping the overall credit hours for the major requirement the same. NURS 212 will be removed from the BSN curriculum.</p> <p>During a review of CCNE accreditation standards, the CON identified a gap in nursing informatics in our curriculum as required by our accreditation. For the short term the stats department assisted with filling a part of the gap with STATS 112 until we could develop and secure a nursing informatics specialist to teach the NURS 208</p>

				<p>course. Additionally, NURS 208 has been submitted for consideration to meet the ARP requirement that STATS 112 currently fulfills. For the Fall 2021 cohort either NURS 208 or STATS 112 can be used to fulfil the Carolina Core requirement as students transition through the curriculum.</p> <p>Dr. Ford and Dr. Tebbs of the STATS department are in support of the course and students will continue to take Stats 205. From the BSN Essentials: Essential IV: Information Management and Application of Patient Care Technology - The student will gain knowledge and skills in information management and patient care technology are critical in the delivery of quality patient care. Computer and information literacy are crucial to the future of nursing. Improvement of cost effectiveness and safety depend on evidence-based practice, outcomes research, interprofessional care coordination, and electronic health records, all of which involve information management and technology (McNeil et al., 2006).</p>
NURS-112	Intro to Nursing Profession	Nursing	Change Course	<p>Description:</p> <p>The focus of this course is on various roles that nurses can fill as well as the sites for practice. A major focus is for students to develop an appreciation of the nursing profession, while at the same time exposing them to the challenges in our present health care system. FS: 04/05/2017. CL: 2020.</p> <p>Justification:</p> <p>Currently, the CON major map includes NURS 112 at 1 credit hour and NURS 212 at 2 hours. While these courses build or scaffold on one another, student feedback of the two courses demonstrates that students do not recognize this scaffolding. Student comments often site that these courses are too closely tied and do not understand the 1 hour and 2-hour block format of the curriculum. As a result, the BSN academic council has revised NURS 112 to include and build content from NURS 112 and NURS 212 by increasing the credit hour of NURS 112 from 1 credit hour to 3 credits essentially combining the two courses but keeping the overall credit hours the same. NURS 212 will be removed from the BSN curriculum.</p>
	<p>Cross-Listing: No Cross-listings have been entered</p> <p>Pre/Co-Requisites:</p> <p>Current: No Pre/Co-requisites entered</p> <p>Proposed: No change in Pre/Coreqs.</p>			

9) Public Health (2 Proposals)

Course	Title	College	Proposal Type	Change Description
BIOS-650	Quant Mthds Health Sciences	Public Health	Terminate Course	<p>Description:</p> <p>Designed for professionals and pre-professionals who wish to utilize quantitative methods in public and private decision-making; exploratory data analysis, research methods in natural and controlled</p>
	<p>Cross-Listing: No Cross-listings have been entered</p>			

	<p>Pre/Co-Requisites: Current: No Pre/Co-requisites entered Proposed: No change in Pre/Coreqs.</p>			<p>environments, and elementary biostatistical methods. Prerequisite: STAT 201. CL: 2020. Justification: the course is no longer offered and has not been offered for over 10 years</p>
<p>EPID-594</p>	<p>Special Topics in Epidemiology</p>	<p>Public Health</p>	<p>New Course</p>	<p>Description: This course will introduce epidemiologic concepts and methods using cases studies examining current global health challenges. Students will gain an understanding of the role of epidemiology in understanding the distribution of disease and risk factors, and developing, implementing and evaluating public health interventions globally. Justification: This course is a special topics class that can be taken by undergraduate and graduate students. The syllabus will vary depending on the course being offered. The syllabus provided was used to develop EPID 394, the epidemiology special topics course for undergraduates; however, the instructor wishes to offer the course to both undergraduate and graduate students, so the syllabus has been changed accordingly. All courses will be face-to-face.</p>
<p>Cross-Listing: No Cross-listings have been entered Pre/Co-Requisites: Current: No Pre/Co-requisites entered Proposed: No change in Pre/Coreqs.</p>				