

Administrative Boards
Tuesday, November 7, 2017
3:30 – 5:00 PM, 3020 Steele Building

Report from the Meeting of the Curriculum Committee, October 31, 2017, 3:30 – 5:00 PM

Present: Avra Janz, David Mora-Marín, Valérie Pruvost, Stephanie Schmitt, Nick Siedentop, James Thompson, Tori Wentz

Staff: Ben Haven

All course proposals effective fall 2018 unless otherwise noted

Course Additions with General Education Requirements

AAAD 54 First-Year Seminar: African Migrations, Boundaries, Displacements, and Belonging, SS, GL

AAAD 287 Health Equity in the African Diaspora, BN

AAAD 302 West African History, Politics, and Culture, SS, BN

AAAD 312 Terrorism in Africa, SS, GL

AAAD 329 Islamic Cultures and Societies in East Africa, SS, BN

AMST 62 First-Year Seminar: Mobility, Roads, NASCAR, and Southern Culture, LA, US

AMST 351 Global Waters, American Impacts, and Critical Connections, SS, CI, GL

AMST 460 Rising Waters: Strategies for Resilience to the Challenges of Climate and the Built Environment, SS, CI, EE

ANTH 125 Canine Cultures, SS, GL (effective summer I 2018)

ANTH 448 Health and Medicine in the American South, HS, US

ANTH 535 The Archaeology of Health and Well-Being, SS

ARTH 201 Making Material Histories: A Makerspace Course, VP, EE

ARTS 222 New Technologies and Narrative Painting, VP (effective summer I 2018)

ARTS 322 Narrative Painting, VP, EE

ARTS 458 Photo Printmaking, VP, EE

ASIA 229 Breakdancers, Vocaloids, and Gamers: East Asian Youth Cultures, SS, BN

ASTR 105H Time, Tides, and the Measurement of the Cosmos, PL, WB (effective summer I 2018)

BIOL 102L Introductory Biology Laboratory Research, CI (effective summer II 2018)

(reviewed 9/19/2017; revised and resubmitted)

CLAR 380 Life in Ancient Pompeii, HS, WB

DRAM 175 Building A Persuasive Persona Under Pressure, CI

DTCH 275 Rising Fortunes and Rising Tides: The Dutch Golden Age and its Legacy, EE, NA
(effective summer I 2018)

GEOG 230 The World at Eight Billion, SS, GL

ITAL 359 Medieval Frauds: Fake News, Counterfeits, and Forgeries, PH, WB

PHIL 60 First-Year Seminar: Plato's Symposium and Its Influence on Western Art and Literature, PH
(effective spring 2018) *(reviewed 9/19/2017; revised and resubmitted)*

PHIL 424 Kant's Practical Philosophy, PH (effective spring 2018) *(reviewed 9/19/2017; revised and resubmitted)*

POLI 57 First-Year Seminar: Democratic Governance in Contemporary Latin America, SS, BN

POLI 395 Mentored Research in Political Science, EE

POLI 449 Beg, Borrow, or Steal: How Governments Get Money and Its Effects on Accountability, SS, GL

RELI 395 Guided Undergraduate Research, EE

RELI 526 Dimensions of Evil, PH, GL

SPAN 301 Introduction to Literary and Cultural Analysis, LA

Course Additions without General Education Requirements

ANTH 676 Research Methods in Human Biology
BMME 205 Introduction to Biomedical Mechanics (effective fall 2019)
BMME 209 Introduction to the Materials Science of Biomaterials (effective fall 2019)
BMME 215 Biomedical Mechanics Lab
BMME 219 Materials Science of Biomaterials Lab
BMME 302 Human Physiology: Mechanical Analysis (effective fall 2019)
BMME 325 Biochemistry for Biomedical Engineers
BMME 345 Biomedical Solid Mechanics
BMME 355 Biocontrols
BMME 447 Neural Basis of Rehabilitation Engineering
BMME 461 Introduction to Medical Imaging
LING 460 Introduction to Textual Data Analysis
POLI 396 Directed Readings in Political Science
SPAN 261 Advanced Spanish in Context
SPAN 676 Advanced Spanish Phonology

Course Revisions with Changes to General Education Requirements

ARTH 156 Introduction to Architecture, VP, GL
PORT 401 Beginning Accelerated Brazilian Portuguese I, FL
PORT 402 Intermediate Accelerated Brazilian Portuguese II, FL

REVIEWED AND APPROVED BY EMAIL WEDNESDAY, OCTOBER 18, 2017**Course Addition with General Education Requirements**

CLAR/ARTH 200 Art and Fashion from Rome to Timbuktu, VP, WB (effective, spring 2018)

Miscellaneous Course Changes

SUBJ	Catalog Nbr	Current Title	Request Type	GE/s	Revised Information	Course ID	Effective Date
AAAD	130	Introduction to African American and Diaspora Studies	Revision		Description: Change from "The course tracks the contours of life, societies, cultures, and history in the Atlantic African Diaspora from origins in Atlantic Africa to the present. Emphasis on forces that have created African American and African Diaspora peoples in North America, South America, and the Caribbean." to "The course tracks the contours of history, life, societies, and cultures of the Atlantic African diaspora from their origins through Emancipation in the United States, the Caribbean, and South America."	004299	fall 2018
AAAD	201	The Literature of Africa	Revision		Long Title: Introduction to African Literature Description: Change from "An introduction to African literature. In addition to substantive themes, we will identify major stylistic characteristics of modern African literature with particular attention to the ways in which African language, literature, and traditional values have affected modern writing." to "An introduction to African literature, with an emphasis on works by writers from the late colonial period to the present, and including a survey of different genres."	009286	fall 2018
AAAD	210	African Belief Systems: Religion and Philosophy in Sub-Saharan Africa	Revision		Description: Change from "The relationship between religion and society in sub-Saharan Africa is explored through ethnographic and historical readings. The Nilotic, Bantu, and West African religious traditions are examined in detail." to "Topics such as the impact of colonialism and missionization on African societies, the changing practice of Islam in Africa, and the intersection of religious and political unrest in postcolonial societies are addressed."	016146	fall 2018
AAAD	212	Africa in the Global System	Revision		Description: Change from "A seminar that critically examines the historical and theoretical basis of the state's centrality in economic development in African countries. Relevant case studies drawn from sub-Saharan Africa." to "This course provides a critical examination of the historical and theoretical bases for understanding the challenges and opportunities facing African states and societies in the current global system, which is dominated by neoliberal globalization."	016820	fall 2018

SUBJ	Catalog Nbr	Current Title	Request Type	GE/s	Revised Information	Course ID	Effective Date
AAAD	318	Politics of Cultural Production in Africa	Revision		Short Title: POLITICS OF ART IN AFRICA Long Title: Politics of Art in Africa Description: Change from "Explores the role that the cultural realm plays in legitimizing, reproducing, resisting, and uncovering dominant structures of power in Africa." to "This course considers a variety of modern African artists and art scenes in their political, economic, and cultural contexts. Likely topics include artists under Apartheid, the global trade in traditional wood carvings, and Africa's place in the global contemporary art circuit."	022951	fall 2018
AAAD	419	African Studies Colloquium	Revision		Reactivate the course	024530	spring 2018
AAAD	450	The Harlem Renaissance	Revision		Renumber: AAAD 350 Description: Change from "This course explores outstanding themes of the Harlem Renaissance through readings, prints and photographs, lectures, and class discussion." to "An exploration of outstanding themes of the Harlem Renaissance's poetry, fiction, painting and visual art, and political journalism. The course includes excursions to museums and libraries. Previously offered as AAAD 450."	019619	fall 2018
AMST	56	Exploring American Memory	Inactivation		Inactivate the course	023559	fall 2018
AMST	57	First-Year Seminar: Access to Higher Education	Inactivation		Inactivate the course	023560	fall 2018
AMST	58	First-Year Seminar: Cultures of Dissent: Radical Social Thought in America since 1880	Inactivation		Inactivate the course	023561	fall 2018
AMST	266	The Folk Revival: The Singing Left in Mid-20th-Century America	Inactivation		Inactivate the course	021502	fall 2018
AMST	352	The Asian American Experience	Revision		Cross-list: ASIA 350 (Asian Studies will be the sponsoring unit)	019959	fall 2018

SUBJ	Catalog Nbr	Current Title	Request Type	GE/s	Revised Information	Course ID	Effective Date
AMST	375	Carolina Cooks, Carolina Eats: North Carolina Food and Culture	Revision		Total Units Allowed: 3.00 Total Completions Allowed: 1 Short Title: AMERICAN FOOD STUDIES Long Title: Food and American Studies: Cooking Up a Storm Description: Change from "An exploration of the history, culture, and contemporary politics of food in North Carolina as a lens onto national and global food issues." to "Explores the historical arc and study of food in America and how culinary cultures reflect regional, national, and global narratives, challenges, and identities. As an intriguing lens on to the American experience, food reveals how race, class, gender, and place are entwined in cuisine, food economies, and interactions."	023237	fall 2018
AMST	385	Gender and Economics	Inactivation		Inactivate the course	001201	fall 2018
AMST	386	American Families	Inactivation		Inactivate the course	024967	fall 2018
ARAB	409	War and Peace in Arabic Literature	Inactivation		Inactivate the course	089714	fall 2018
ARAB	410	Music, History, and Power	Inactivation		Inactivate the course	089713	fall 2018
ARAB	468	Modernity and Its Discontents in Arabic Literature and Culture	Inactivation		Inactivate the course	087975	fall 2018
ARTH	156	Introduction to Architecture	Revision		Short Title: INTRO TO ARCHITECTURE	000301	fall 2018
ARTH	259	Native American Art and Culture	Inactivation		Inactivate the course	024292	fall 2018
ARTH	264	Medieval Art in Western Europe	Revision		Description: Change from "Required preparation, any introductory art history course or permission of the instructor. Survey of major developments in painting and sculpture in Europe during the Latin Middle Ages (300-1400 CE)." to "Survey of major developments in painting and sculpture in Europe during the Latin Middle Ages (300-1400 CE)."	009052	fall 2018

SUBJ	Catalog Nbr	Current Title	Request Type	GE/s	Revised Information	Course ID	Effective Date
ARTH	362	Early Christian Art and Modern Responses	Revision		Description: Change from "Required preparation, any introductory art history course or permission of the instructor. The early Christian origins of art and architecture in domestic and public contexts of the 200-600 CE Christian communities; the 18th- and 20th-century adaptation of early Christian art." to "The early Christian origins of art and architecture in domestic and public contexts of the 200-600 CE Christian communities; the 18th- and 20th-century adaptation of early Christian art."	024295	fall 2018
ARTH	396	Directed Readings in Art History	Revision		Minimum Units: 1.00 Academic Progress Units: 1.00 Financial Aid Progress Units: 1.00	007605	fall 2018
ARTH	445	The Mexican Mural Renaissance, 1921-1945	Revision		Requisite: Remove "Prerequisite, ARTH 157 or 267. Permission of the instructor."	087925	fall 2018
ARTH	452	Brazilian Modernism	Revision		Requisite: Remove "Prerequisite, ARTH 157 or 267; permission of the instructor for students lacking the prerequisite. "	087438	fall 2018
ARTH	466	History of the Illuminated Book	Revision		Description: Change from "Required preparation, any intermediate art history course or permission of the instructor. Chronological survey of major developments in book painting during the European Middle Ages from 300 to 1450 CE." to "Chronological survey of major developments in book painting during the European Middle Ages from 300 to 1450 CE."	001796	fall 2018
ARTH	467	Celtic Art and Cultures	Revision		Description: Change from "Required preparation, any intermediate art history course or permission of the instructor. This course explores the art and culture from the Hallstat and La Tène periods (seventh century BCE) to the Celtic "renaissance" (ca. 400-1200 CE)." to "This course explores the art and culture from the Hallstat and La Tène periods (seventh century BCE) to the Celtic "renaissance" (ca. 400-1200 CE)."	001668	fall 2018
ARTH	481	American Art and the Civil War	Inactivation		Inactivate the course	086998	fall 2018
ARTH	487	African Impulse in African American Art	Inactivation		Inactivate the course	000069	fall 2018
ARTS	57	First-Year Seminar: Narrative Sight/Site	Inactivation		Inactivate the course	020863	fall 2018
ARTS	58	First-Year Seminar: Book Art	Inactivation		Inactivate the course	011011	fall 2018

SUBJ	Catalog Nbr	Current Title	Request Type	GE/s	Revised Information	Course ID	Effective Date
ARTS	121	Color: Theory and Concept	Revision		Renumber: ARTS 221 Description: Add "Previously offered as ARTS 121." to end of description.	089306	fall 2018
ARTS	202	Beginning Painting	Revision		Requisite: Replace prerequisite "Prerequisite, ARTS 104." with preparation statement "Recommended preparation, ARTS 104." Short Title: PAINTING I Long Title: Painting I	014531	fall 2018
ARTS	208		Revision		Requisite: Remove Prerequisites "Prerequisites, ARTS 102 and 104; permission of the instructor for students lacking the prerequisite." Short Title: PRINT I Long Title: Print I	014534	fall 2018
ARTS	253	Phantasmagoria: Haunted Art, History, and Installation	Revision		Renumber: ARTS 253 Description: Add "Previously offered as ARTS 253." to end of description.	089046	fall 2018
ARTS	302	Intermediate Painting	Revision		Short Title: PAINTING II Long Title: Painting II	000647	fall 2018
ARTS	303	Intermediate Sculpture	Revision		Short Title: SCULPTURE II Long Title: Sculpture II	003074	fall 2018
ARTS	368	Intermediate Printmaking	Revision		Requisites: Revise from "Prerequisite, ARTS 208." to "Prerequisite, ARTS 208." Short Title: PRINT II Long Title: Print II	088023	fall 2018
ARTS	402	Advanced Painting Projects	Revision		Requisite: Change from "Prerequisite, ARTS 302 or 352; permission of the instructor for students lacking the prerequisite." to "Prerequisite, ARTS 302, 322, or 352; permission of the instructor for students lacking the prerequisite."	014572	fall 2018
ARTS	413	Advanced Ceramic Sculpture	Revision		Short Title: ADVANCED CERAMIC PROJECTS Long Title: Advanced Ceramic Projects	014574	fall 2018
ARTS	423	Installation	Revision		Reactivate the course Short Title: INSTALLATION ART Long Title: Installation Art	019944	fall 2018
ARTS	490	Special Topics in Studio Art	Revision		Short Title: ADV SPECIAL TOPICS IN STUDIO Long Title: Advanced Special Topics in Studio Art	024299	fall 2018

SUBJ	Catalog Nbr	Current Title	Request Type	GE/s	Revised Information	Course ID	Effective Date
ARTS	515	Advanced Photography	Revision		Short Title: ADV TOPICS IN PHOTO Long Title: Advanced Topics in Photography	024300	fall 2018
ARTS	596	Independent Study in Studio Art	Revision		Minimum Units: 1.00 Maximum Units: 4.00 Academic Progress Units: 1.00 Financial Aid Progress Units: 1.00	024301	fall 2018
ASIA	66	First-Year Seminar: The 2011 Revolution through Egyptian Eyes	Inactivation		Inactivate the course	088410	fall 2018
ASIA	68	First-Year Seminar: Power of Music/Music of Power: Cultural Politics of 20th-Century Arabic Music	Inactivation		Inactivate the course	089231	fall 2018
BIOL	221	Food Mislabeling, Conservation, and Human Health	Revision		Short Title: SEAFOOD FORENSICS Long Title: Seafood Forensics Description: Change from "Prerequisite, BIOL 101; co-requisite, BIOL 221L; Permission of the instructor for students lacking the prerequisite. Introduction to scientific research projects using DNA barcoding to identify organisms present in environmental or food samples. Students will discuss relevant literature, develop hypotheses, analyze data, write a manuscript, and present results." to "Prerequisite, BIOL 101; corequisite, BIOL 221L; permission of the instructor for students lacking the requisites. In this Course-based Undergraduate Research Experience (CURE) class, students will use forensic sciences (primarily DNA barcoding technology) to quantify seafood mislabeling. Students will learn the importance of food labeling as well as its impact on marine ecosystems and human health."	012487	fall 2018
BIOL	271	Plant Biology	Revision		Requisites: Change from "Prerequisites, BIOL 101 and 101L. Corequisite, BIOL 271L." to "Prerequisites, BIOL 101, and BIOL 101L or BIOL 102L; corequisite, BIOL 271L."	012379	fall 2018
BIOL	274	Plant Diversity	Revision		Requisites: Change from "Prerequisites, BIOL 101 and 101L. Corequisite, BIOL 274L." to "Prerequisites, BIOL 101, and BIOL 101L or BIOL 102L; corequisite, BIOL 274L."	012386	fall 2018

SUBJ	Catalog Nbr	Current Title	Request Type	GE/s	Revised Information	Course ID	Effective Date
BIOL	277	Vertebrate Field Zoology	Revision		Requisites: Change from "Prerequisites, BIOL 101 and 101L." to "Prerequisites, BIOL 101, and BIOL 101L or BIOL 102L."	012393	fall 2018
BIOL	278	Animal Behavior	Revision		Requisites: Change from "Prerequisites, BIOL 101 and 101L." to "Prerequisites, BIOL 101, and BIOL 101L or BIOL 102L."	012395	fall 2018
BIOL	410	Principles and Methods of Teaching Biology	Revision		Description: Change from "Prerequisites, two of the three biology core courses: BIOL 201, 202, and/or 205. This course will develop the knowledge and skills teachers need to implement inquiry-based biology instruction: rich, conceptual knowledge of biology and mastery of inquiry-based teaching methods. Does not count as a laboratory course." to "Prerequisites, two of the three biology core courses: BIOL 201, 202, and/or 205. This Makerspace designed course will develop the knowledge and skills teachers need to implement inquiry-based biology instruction: rich, conceptual knowledge of biology and mastery of inquiry-based teaching methods. Does not count as a laboratory course."	024994	fall 2018
BIOL	451	Comparative Physiology	Revision		Requisites: Change from "Prerequisites, BIOL 101 and 101L, and PHYS 104 or 114 or 116, and PHYS 105 or 115 or 117." to "Prerequisites, BIOL 101, and BIOL 101L or BIOL 102L, and PHYS 104 or 114 or 116, and PHYS 105 or 115 or 117."	012421	fall 2018
BIOL	475	Biology of Marine Animals	Revision		Requisites: Change from "Prerequisites, BIOL 101 and 101L; co-requisite, BIOL 475L." to "Prerequisites, BIOL 101, and BIOL 101L or BIOL 102L; co-requisite, BIOL 475L."	012406	fall 2018
BIOL	476	Avian Biology	Revision		Requisites: Change from "Prerequisites, BIOL 101 and 101L; corequisite, BIOL 476L." to "Prerequisites, BIOL 101, and BIOL 101L or BIOL 102L; corequisite, BIOL 476L."	012413	fall 2018
BIOL	551	Comparative Biomechanics	Revision		Requisites: Change from "Prerequisites, BIOL 101 and 101L, and PHYS 104 or PHYS 116." to "Prerequisites, BIOL 101, and BIOL 101L or BIOL 102L, and PHYS 104 or PHYS 116."	013538	fall 2018
BIOL	101L	Introductory Biology Laboratory	Revision		Description: Add "Students may not receive credit for both BIOL 101L and BIOL 102L." to end of description.	004321	fall 2018

SUBJ	Catalog Nbr	Current Title	Request Type	GE/s	Revised Information	Course ID	Effective Date
BIOL	221L	Food Mislabeling, Conservation and Human Health Lab	Revision		<p>Short Title: SEAFOOD FORENSICS LAB Long Title: Seafood Forensics Laboratory Description: Change from "Prerequisite, BIOL 101; co-requisite, BIOL 221; Permission of the instructor for students lacking the prerequisite. Introduction to scientific research projects using DNA barcoding to identify organisms present in environmental or food samples. Students will perform experiments based on hypotheses formulated in the corequisite lecture course." to "Prerequisite, BIOL 101; corequisite, BIOL 221; permission of the instructor for students lacking the requisites. In this Course-based Undergraduate Research (CURE) lab, students will use forensic sciences (primarily DNA barcoding technology) to quantify seafood mislabeling. Students will perform experiments based on hypotheses formulated in the co-requisite lecture course."</p>	089397	fall 2018
BIOL	252L	Fundamentals of Human Anatomy and Physiology Laboratory	Revision		<p>Requisites: Change from "Prerequisite, BIOL 101 and 101L; corequisite, BIOL 252." to "Prerequisite, BIOL 101, and BIOL 101L or BIOL 102L; corequisite, BIOL 252."</p>	088762	fall 2018
BIOL	271L	Plant Biology Laboratory	Revision		<p>Requisites: Change from "Prerequisites, BIOL 101 and 101L. Corequisite, BIOL 271." to "Prerequisites, BIOL 101, and BIOL 101L or BIOL 102L; corequisite, BIOL 271."</p>	088808	fall 2018
BIOL	274L	Plant Diversity Laboratory	Revision		<p>Requisites: Change from "Prerequisites, BIOL 101 and 101L. Corequisite, BIOL 274." to "Prerequisites, BIOL 101, and BIOL 101L or BIOL 102L; corequisite, BIOL 274."</p>	088809	fall 2018
BIOL	475L	Biology of Marine Animals Laboratory	Revision		<p>Requisites: Change from "Prerequisites, BIOL 101 and 101L; co-requisite, BIOL 475." to "Prerequisites, BIOL 101, and BIOL 101L or BIOL 102L; co-requisite, BIOL 475."</p>	089568	fall 2018
BMME	201	MATLAB for Scientists and Engineers	Revision		<p>Rerequisite: Remove Prerequisites "Prerequisites, ARTS 102 and 104; permission of the instructor for students lacking the prerequisite." and replace with "Majors only." in course description. Short Title: COMPUTER METHODS IN BME Long Title: Computer Methods in Biomedical Engineering</p>	057344	fall 2018

SUBJ	Catalog Nbr	Current Title	Request Type	GE/s	Revised Information	Course ID	Effective Date
BMME	210	BME Design and Manufacturing I	Revision		<p>Renumber: BMME 298 Long Title: Biomedical Engineering Design and Manufacturing I Description: Change from "Co-requisite, PHYS 117 or 119. Course restricted to admitted majors only. Students will learn: use of design software (SolidWorks and support/analysis programs); basic techniques for directly measuring solid objects; electronic assembly techniques; and how to design simple electronic circuits. Note: BME Toolkit purchase is required for this course." to "Corequisite, PHYS 117 or 119. Majors only. Students will learn: use of design software (SolidWorks and support/analysis programs); basic techniques for directly measuring solid objects; electronic assembly techniques; and how to design simple electronic circuits. Note: BME Toolkit purchase is required for this course. Previously offered as BMME 210."</p>	016825	fall 2019
BMME	310	BME Design and Manufacturing II	Revision		<p>Renumber: BMME 398 Description: Change from "Prerequisite, BMME 210. Students learn basic tools and procedures of modern design and practice traditional and modern rapid manufacturing technologies/techniques. Laboratory exercises and Web-based instructional content." to "Prerequisites, BMME 210 or BMME 298, BMME 207 or BMME 350, and BMME 201 or COMP 116. Students learn basic tools and procedures of modern design and practice traditional and modern rapid manufacturing technologies/techniques. Laboratory exercises and Web-based instructional content. Previously offered as BMME 310."</p>	024289	fall 2020
BMME	341	Thermodynamics and Kinetics Applied to Solids	Inactivation		Inactivate the course	019940	fall 2018
BMME	350	Biomedical Electronics	Revision		<p>Renumber: BMME 207 Description: Add "Previously offered as BMME 350." to end of description.</p>	088386	fall 2020

SUBJ	Catalog Nbr	Current Title	Request Type	GE/s	Revised Information	Course ID	Effective Date
BMME	351	Human Physiology: Electrical Analysis	Revision		Renumber: BMME 301 Short Title: HUMAN PHYSIOL: ELECTRIC ANALY Long Title: Human Physiology: Electrical Analysis Description: Change from "Prerequisite, BMME 350; co-requisite, BIOL 252. A course on the quantitative aspects of basic human physiology. Class work will provide students with a basic understanding of human anatomy and physiology. A laboratory portion will explore actual physiological measurement techniques and quantitatively evaluate human physiology using statistical analyses." to "Prerequisites, BIOL 101, COMP 116 or BMME 201, and BMME 207 or BMME 350. A course on the quantitative aspects of basic human physiology. Class work will provide students with a basic understanding of human anatomy and physiology. A laboratory portion will explore actual physiological measurement techniques and quantitatively evaluate human physiology using statistical analyses. Previously offered as BMME 351."	088971	fall 2020
BMME	395	Research in Biomedical Engineering for Undergraduates	Revision		Renumber: BMME 295 Course Component: Ind Study Add Consent: Dept Consent Description: Change from "Permission of the director of undergraduate studies. At least nine hours of independent work a week. Research with a faculty mentor. Approved learning contract required. Research proposal and final research paper also required." to "Permission of the director of undergraduate studies. At least three hours per credit hour of independent work a week. Research with a faculty mentor. Approved learning contract required. Research proposal and final research paper also required. Previously offered as BMME 395."	015269	fall 2018
BMME	405	Biomechanics of Movement	Revision		Requisites: Change from "Prerequisites, BMME 160 and MATH 383." to "Prerequisites, BMME 345 and MATH 383."	089245	fall 2021

SUBJ	Catalog Nbr	Current Title	Request Type	GE/s	Revised Information	Course ID	Effective Date
BMME	410	Systems and Signals	Revision		Renumber: BMME 365 Short Title: LINEAR SYSTEMS IN BME Long Title: Linear Systems in Biomedical Engineering Description: Change from "Prerequisite, MATH 383; co-requisite, MATH 528. Analysis of linear systems by transform methods to networks, including Fourier transforms, Laplace transforms, and convolution. Survey of linear systems applications to biomedical problems." to "Prerequisites, BMME 207 or BMME 350, and BMME 201 or COMP 116; corequisite, MATH 383. Analysis of linear systems by transform methods to networks, including Fourier transforms, Laplace transforms, and convolution. Survey of linear systems applications to biomedical problems. Previously offered as BMME 410."	018031	fall 2020
BMME	420	Introduction to Synthetic Biology	Revision		Requisites: Change from "Prerequisites, BIOL 101 and CHEM 101; corequisite, BIOL 202 and CHEM 102." to "Prerequisites, BMME 325 or CHEM 430, and BMME 335 or BMME 510."	089027	fall 2021
BMME	425	Biomedical Applications of Electromagnetics	Inactivation		Inactivate the course	089331	fall 2018
BMME	445	Systems Neuroscience	Revision		Requisite: Change from "Prerequisite, BIOL 252." to "Prerequisite, BMME 301, BMME 351, or BIOL 252."	088400	fall 2018
BMME	455	Biofluid Mechanics	Revision		Requisites: Change from "Prerequisites, BMME 160, MATH 528, and BMME 201 or COMP 116." to "Prerequisites, BMME 315, or BMME 160 and MATH 528 and COMP 116."	088401	fall 2018

SUBJ	Catalog Nbr	Current Title	Request Type	GE/s	Revised Information	Course ID	Effective Date
BMME	465	Biomedical Instrumentation I	Revision		Renumber: BMME 385 Minimum Units: 3.00 Maximum Units: 3.00 Academic Progress Units: 3.00 Financial Aid Progress Units: 3.00 Total Units Allowed: 3.00 Short Title: BIOINSTRUMENTATION Long Title: Bioinstrumentation Description: Change from "Prerequisites, BMME 350, and COMP 116 or BMME 201. Topics include basic electronic circuit design, analysis of medical instrumentation circuits, physiologic transducers (pressure, flow, bioelectric, temperate, and displacement). This course includes a laboratory where the student builds biomedical devices. Note, an embedded computer kit purchase is required for this course." to "Prerequisites, BMME 207 or BMME 350, and COMP 116 or BMME 201. Topics include basic electronic circuit design, analysis of medical instrumentation circuits, physiologic transducers (pressure, flow, bioelectric, temperate, and displacement). This course includes a laboratory where the student builds biomedical devices. An embedded computer kit purchase is required for this course. Previously offered as BMME 465."	021870	fall 2020
BMME	470	Tissue Engineering	Revision		Requisite: Change from "Prerequisites, BIOL 252 and BMME 351." to "Prerequisites, BMME 335 or BMME 351, and BMME 302 or BIOL 252." Short Title: TISSUE ENGINEERING TECHNOL Long Title: Analysis of Tissue Engineering Technologies	088396	fall 2018

SUBJ	Catalog Nbr	Current Title	Request Type	GE/s	Revised Information	Course ID	Effective Date
BMME	475	Transport Processes	Revision		Renumber: BMME 315 Short Title: BIOTRANSPORT Long Title: Biotransport Description: Change from "This course serves as introduction for engineers pursuing transport phenomena and for future pharmaco-engineers requiring predictive models of mass transfer or pharmacodynamic models. Material is designed to address heat and mass transfer issues in nanotechnology, microfabrication, mems, cell therapies, bioartificial organs, as well as pharmacodynamic modeling of dynamic "omics" datasets." to "Prerequisites, BIOL 101, BMME 205 or BMME 160, and MATH 383. This course serves as introduction for engineers pursuing transport phenomena and for future pharmaco-engineers requiring predictive models of mass transfer or pharmacodynamic models. Material is designed to address heat and mass transfer issues in nanotechnology, microfabrication, mems, cell therapies, bioartificial organs, as well as pharmacodynamic modeling of dynamic "omics" datasets. Previously offered as BMME 475"	088402	fall 2018
BMME	505	Skeletal Biomechanics	Revision		Requisites: Change from "Prerequisites, BMME 160 and MATH 383." to "Prerequisites, BMME 345 and MATH 383."	011747	fall 2021

SUBJ	Catalog Nbr	Current Title	Request Type	GE/s	Revised Information	Course ID	Effective Date
BMME	510	Biomaterials	Revision		Renumber: BMME 335 Total Units Allowed: 3.00 Total Completions Allowed: 1 Description: Change from "Prerequisites, BIOL 101 and BMME 150; corequisites BIOL 252 and 252L. Focus on the mechanical, chemical, and biocompatibility considerations of any material (e.g., metal, ceramic, or polymer) designed to interface with the body. Various applications of biomaterials are presented and analyzed, including femoral implants and vascular grafts, in order to guide students in a semester-long design project." to "Prerequisites, BIOL 101, and BMME 209 or BMME 150. Focus on the mechanical, chemical, and biocompatibility considerations of any material (e.g., metal, ceramic, or polymer) designed to interface with the body. Various applications of biomaterials are presented and analyzed, including femoral implants and vascular grafts, in order to guide students in a semester-long design project. Previously offered as BMME 510."	011748	fall 2018
BMME	515	Introduction to Systems Biology	Inactivation		Inactivate the course	021533	fall 2018

SUBJ	Catalog Nbr	Current Title	Request Type	GE/s	Revised Information	Course ID	Effective Date
BMME	580	Microcontroller Applications I	Revision		Renumber: BMME 375 Total Units Allowed: 3.00 Total Completions Allowed: 1 Short Title: BME MICROCONTRL APPL Long Title: Biomedical Microcontroller Applications Description: Change from "Prerequisites, BIOL 252, BMME 350, and COMP 116 or BMME 201; co-requisite, BMME 351. Introduction to digital computers for real-time processing and control of signals and systems. Programming input and output devices using C and assembly language is stressed. Case studies are used to present software design strategies for real-time laboratory systems." to "Prerequisites, BMME 207 or BMME 350, and BMME 201 or COMP 116; corequisite, BMME 385 or BMME 465. Introduction to digital computers for real-time processing and control of signals and systems. Programming input and output devices using C and assembly language is stressed. Case studies are used to present software design strategies for real-time laboratory systems. Previously offered as BMME 580."	011022	fall 2020
BMME	581	Microcontroller Applications II	Revision		Requisites: Change from "Prerequisites, BMME 465 and 580." to "Prerequisites, BMME 375, or BMME 465 and BMME 580." Short Title: BME MICROCONTROL APPL II Long Title: Biomedical Microcontroller Applications II	024795	fall 2018
BMME	697	Senior Design Project I	Revision		Requisites: Change from "Prerequisites, BMME 310, BMME 351, and one BMME course above 400." to "Prerequisites, BMME 301 or BMME 351, and BMME 302, and BMME 310 or BMME 398, and 2 gateway electives (numbered BMME 3*5)." Short Title: BME SENIOR DESIGN I Long Title: Biomedical Engineering Senior Design I	021872	fall 2021
BMME	698	Biomedical Engineering Senior Design II	Revision		Short Title: BME SENIOR DESIGN II Long Title: Biomedical Engineering Senior Design II	021514	fall 2018
CLAR/A RTH	200	Art and Fashion from Rome to Timbuktu	New		Cross-list: ARTH 200 (Classics will be the sponsoring unit)		spring 2018
ENEC	272	Local Flora	Revision		Cross-list: BIOL 272 (Biology will be the sponsoring unit)	012381	fall 2018
ENEC	371	Energy Policy	Revision		Cross-list: PLCY 371 (Public Policy will be the sponsoring unit)	088866	fall 2018

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GEOG	57	First-Year Seminar: Dogs and People: From Prehistory to the Urbanized Future	Inactivation		Inactivate the course	019909	fall 2018
JWST	53	First-Year Seminar: Israeli Popular Culture: The Case of Music	Revision		Cross-list: ASIA 53 (Asian Studies will be the sponsoring unit)	089229	fall 2018
LING	545	Language and Mind: Linguistics and the Brain	Revision		Long Title: Language and Mind	014734	fall 2018
PORT	401	Beginning Accelerated Brazilian Portuguese I	Revision		Description: Change from "For students who have fulfilled their foreign language requirement with another language. Covers first-year material in one semester. Introduction to spoken Portuguese with literary and cultural readings. May not be used to satisfy the Foundations foreign language requirement. Students may not receive credit for both PORT 401 and PORT 101, 102, or 111." to "Covers levels one and two of the basic language sequence in one semester. Designed for highly motivated undergraduate/graduate language learners, especially those who have experienced success with learning another language. Intensive approach to developing all skills but with an emphasis on speaking. Students may not receive credit for both PORT 401 and PORT 101, 102, 105 or 111."	001052	fall 2018
PORT	402	Intermediate Accelerated Brazilian Portuguese II	Revision		Description: Change from "Prerequisite, PORT 102, 111, or 401. Covers second-year material in one semester. Further study of spoken Portuguese with literary and cultural readings. May not be used to satisfy the Foundations foreign language requirement. Students may not receive credit for both PORT 402 and PORT 203, 204, or 212." to "Prerequisite, PORT 102, 111, or 401. A continuation of PORT 401, covers levels three and four in one semester. Develops all skills, with increasing emphasis on reading, writing, and cultural analysis. Designed for highly motivated undergraduate/graduate language learners, especially those who have experienced success with learning another language. Prepares students for advanced courses. Students may not receive credit for both PORT 402 and PORT 203, PORT 204 or PORT 212."	001119	fall 2018

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PWAD	490	Special Topics in Peace, War, and Defense	Revision		Minimum Units: 1.00 Academic Progress Units: 1.00 Financial Aid Progress Units: 1.00 Total Units Allowed: 12.00 Total Completions Allowed: 4	024194	summer I 2018
RELI	630	Religion and Medicine	Inactivation		Inactivate the course		fall 2018
WGST	249	Intersectionality: Race, Gender, Sexuality, and Social Justice	Revision		Add course to the cross-list AMST/ENGL/POLI 248 (American Studies will continue as the sponsoring unit). Spring effective date approved by Senior Associate Deans.	021218	spring 2018