

2020

Curriculum Change 2020-2021

Portland State University

Follow this and additional works at: https://pdxscholar.library.pdx.edu/oa_bulletin

Let us know how access to this document benefits you.

Recommended Citation

Portland State University, "Curriculum Change 2020-2021" (2020). *Bulletin & Curriculum Change Documents*. 40.

https://pdxscholar.library.pdx.edu/oa_bulletin/40

This Curriculum Change Document is brought to you for free and open access. It has been accepted for inclusion in Bulletin & Curriculum Change Documents by an authorized administrator of PDXScholar. Please contact us if we can make this document more accessible: pdxscholar@pdx.edu.

PSU Curricular Changes - Effective for AY 2020-21

This list submitted to OrACRAO on: TBD

PSU Curricular Change Cycle: Annual

PSU annual submission date: July of each year

Name & contact info of person updating this template: Andreen Morris andreen@pdx.edu 503-725-4596

Effective Term	Modified (M) Deleted (D)	Prefix	Course#	Course Title	Credits	Course Description	Type of Change (for modified classes only)
Fall 2020	M	Anth	345	Practicing Anthropology	4	Introduction to applied anthropology as a tool to address real world problems related to development, environment, human health, cultural resource management, conflict, and more. Includes creation of a personalized career plan which will assist in the transition from education	Description
Fall 2020	N	Anth	491	Culture, Vulnerability and Disaster Resilience	4	This class discusses the distinctions between natural hazards and disasters, human-made and natural events, and sudden and slow-moving catastrophes. It considers the effects of preexisting social inequalities (e.g., race) and vulnerabilities (e.g., poverty) and examines individual, household, and community resilience as a function of social networks and social capital. The class also explores the roles of perceived risk, connectivity, and social memory. It concludes	

Fall 2020	N	Anth	591	Culture, Vulnerability and Disaster Resilience	4	This class discusses the distinctions between natural hazards and disasters, human-made and natural events, and sudden and slow-moving catastrophes. It considers the effects of preexisting social inequalities (e.g., race) and vulnerabilities (e.g., poverty) and examines individual, household, and community resilience as a function of social networks and social capital. The class also explores the roles of perceived risk, connectivity, and social memory. It concludes with an analysis on the	
Fall 2020	M	ArH	204	Art History: The Ancient World	4	Survey of the major works of art and architecture from around the world, and an introduction to the analytical tools used by art historians. This course investigates art and architecture from the prehistoric era, ancient Mediterranean cultures, Byzantium, the Islamic world, and early works from South and Southeast Asia, China	Title changed from History of Western Art; description changed
Fall 2020	M	ArH	205	Art History: The Medieval World	4	Survey of the major works of art and architecture from around the world, and an introduction to the analytical tools used by art historians. This course investigates art and architecture from China, Korea, Japan, Europe from the Medieval Through Baroque Periods, Native American Cultures before	Title changed from History of Western Art; description changed

Fall 2020	M	ArH	206	Art History: The Modern World	4	Survey of the major works of art and architecture from around the world, and an introduction to the analytical tools used by art historians. This course investigates Oceanic Art, later Asian art; African, European and North American Art from 1800 to the present, and later Native	Title changed from History of Western Art; description changed
Fall 2020	D	ArH	208	Introduction to Asian Art	4		
Fall 2020	N	ArH	333U	Latin American Women Artists	4	Focuses on modern women artists in the Latin American region, as well as the contributions of Latinx/Chicanx artists in the United States. Students will learn how Latin American women artists challenged traditional understandings of artistic practice, exploring and critiquing women's social roles in the process. Issues of race, class, gender, national/cultural/indigenous identity will be	
Fall 2020	D	ArH	339U	History of Architecture	4		
Fall 2020	D	ArH	340	History of Architecture	4		
Fall 2020	D	ArH	540	History of Architecture	4		

Fall 2020	M	Art	131	Introduction to Drawing I	4	Introduction to observational, expressive, and formal modes of drawing. Critical approaches drawn from art history, aesthetics, and art criticism are examined relative to these modes of drawing to establish methods of evaluating art and placing one's own work and that of others in a historical context. Emphasis on strategies, methods, and techniques for translating three-dimensional form and space onto a two-	Description
Fall 2020	N	Art	216	Sewn Construction	4	This is an introductory sewing course that covers the fundamentals of hand and machine sewing for garments and sewn products. Students gain a working knowledge of sewn construction for applications in costume, fashion, textiles, and contemporary art.	
Fall 2020	M	Art	303	Making and Meaning	4	Explores the relationship of material, method and process in the construction of meaning in art. Students experiment with interdisciplinary research methods to generate projects reflecting current topics of interest.	Description and prerequisites

Fall 2020	M	Art	313	Textile Design	4	<p>Intended for upper-division students wanting to incorporate 2D textile materials and processes into their established creative practice. Students gain exposure to sourcing and manipulating experience textiles through a combination of hand and digital processes - including immersion dyeing, fabric painting, screen-printing, resist techniques, and digital fabric printing. Students develop projects around</p>	<p>Title changed from Textile Processes, change description and prerequisites</p>
Fall 2020	M	Art	316	Fabric & Form	4	<p>Covers sculptural approaches to using textiles for studio art and design practices. Students will learn the fundamentals of flat patterning and sewn construction for 3D form, wearables, and installation. Students will learn techniques for manipulating commercial patterns, adding structure to fabric and pliable material, and advanced methods of machine sewing. Lectures and readings expose students to the history of fiber, the use of textiles in</p>	<p>Prerequisites</p>

Fall 2020	N	Art	328	KSMoCA: Museum in a Public School	4	Students meet outside of the PSU campus at Dr. MLK Jr School in NE Portland where they contribute to the operation of the King School Museum of Contemporary Art, a contemporary art museum inside a functioning K-5 public school. The students work collaboratively in teams to research the surrounding neighborhood and prepare presentations/zines about	
Fall 2020	M	Art	336	BFA: Research and Proposal	4	Required third year seminar course offered spring term for accepted BFA students. Introduction to both contemporary research methodologies and final project proposal development. Emphasis is placed on developing a body of work and	Prerequisites
Fall 2020	M	Art	371	Intermediate Printmaking: Thematic Process	4	Making connections among subject/theme, research, & creative choices is the focus of this course. Moderate investigation into the historical and cultural content of a chosen theme will direct the work. Students will challenge themselves to develop a varied but cohesive print portfolio using one central theme.	Description, prerequisites, repeatability

Fall 2020	N	Art	428	KSMoCA: Museum and Community	4	Students meet outside of the PSU campus at Dr. MLK Jr School in NE Portland to think critically about museums, education, site-specificity, and social topics. Students contribute to the operation of the King School Museum of Contemporary Art, and they lead reading discussions pertaining to topics associated with the museum, mentor elementary students, and help to install a museum exhibition. Collaboration, research, and participation are crucial elements of the course.	
Fall 2020	M	Art	439	BFA Vertical Lab II: Collaboration and Presentation Strategies	4	Second of a two-term sequence that introduces research methods, strategies and project management skills for publicly presenting artwork. Students collaborate on theme-based projects that culminate in public display. Coursework includes lectures, demonstrations, studio production and field trips.	Prerequisites
Fall 2020	N	Art	528	KSMoCA: Museum and Community	4	Students meet outside of the PSU campus at Dr. MLK Jr School in NE Portland to think critically about museums, education, site-specificity, and social topics. Students contribute to the operation of the King School Museum of Contemporary Art, and they lead reading discussions pertaining to topics associated with the museum, mentor elementary students, and help to install a museum exhibition. Collaboration, research, and	

Fall 2020	D	Art	540	Interactive Team	4		
Fall 2020	N	BA	327	Data Analysis & Visualization	2	This course is required of all business students in order for them to have basic competency in Data Analytics and be able to succeed in 400-level discipline specific Data Analytics courses as well as for them to perform well in the BA 495 Capstone class. Using a large dataset from industry, this two-credit combined-lab-and-lecture course will give students experience with tools while walking them	
Fall 2020	N	BA	332U	Property, Management & Society	4	Introduces students to the field of real estate property management. Students attain fundamental knowledge of real estate, economics and the built environment's impact on communities. Encompasses managerial concepts,	
Fall 2020	M	BA	339	Supply Chain Management	0-4		Title changed from Operations and Quality Management
Fall 2020	M	Bi	301	Human Anatomy and Physiology	4	Microanatomy, macroanatomy, genetics, embryology, and physiology. Comprehensive understanding of man as a functionally integrated biological entity. One 3-hour laboratory. This is the first course in a sequence of three: Bi 301, Bi 302, and Bi 303. Expected preparation:	Prerequisite

Fall 2020	M	Bi	380	Microbiology	4	Fundamental concepts and techniques of microbiology. The general principles of microbial cell structure and function, physiology and biochemistry, growth, survival, classification, and diversity are emphasized.	
Fall 2020	M	Bi	427	Evolutionary Genomics	4	An introduction to theory used in population genetics and genomics, and application of evolutionary principles through computer exercises and simulations. Examination and application of techniques for the analysis of genetic and genomic data using the R programming language. Also offered for graduate-	Title changed from Evolutionary Genetics, description changed
Fall 2020	M	Bi	440	Evolutionary Medicine	4	An introduction to evolutionary thinking as it applies to human diseases, traits, diet, and aging. Concepts in evolutionary theory will provide a framework for understanding the ultimate causes of human ailments. Also offered for graduate-level credit as Bi 540 and may	Change credit hours from 3 to 4
Fall 2020	M	Bi	462	Neuroscience I: Physiology of synapses and circuits	4	Presents a study of the sophisticated electrical and chemical signals used by cells of the brain to coordinate and disseminate information about the body and its environment. This working knowledge of the cellular and molecular biology of neurons will serve as the foundation for the understanding of activity dependent circuit formation and brain development. Also offered for graduate-level	Title changed from Neurophysiology, description, prerequisite

Fall 2020	M	Bi	463	Neuroscience II: Sensory and Motor Systems	4	Explores movement and the mechanisms by which organisms transduce, encode, and ultimately perceive information from both the external and internal environment. Topics: Touch and Proprioception, Pain, Vision, Auditory System, Vestibular System, Chemical Senses, Lower Motor Neuron Circuits and Motor Control, Upper Motor Neuron Control of the Brainstem and Spinal Cord, Modulation of Movement by the Basal Ganglia, Modulation of Movement by the	Title changed from Sensory Physiology, description and prerequisite
Fall 2020	M	Bi	527	Evolutionary Genomics	4	An introduction to theory used in population genetics and genomics, and application of evolutionary principles through computer exercises and simulations. Examination and application of techniques for the analysis of genetic and genomic data using the R programming language. Also offered for	Title changed from Evolutionary Genetics, description changed
Fall 2020	M	Bi	540	Evolutionary Medicine	4	An introduction to evolutionary thinking as it applies to human diseases, traits, diet, and aging. Concepts in evolutionary theory will provide a framework for understanding the ultimate causes of human ailments. Also offered for undergraduate level credit as Bi 440 and may be taken only once	Change credit hours from 3 to 4

Fall 2020	M	Bi	562	Neuroscience I: Physiology of synapses and circuits	4	Presents a study of the sophisticated electrical and chemical signals used by cells of the brain to coordinate and disseminate information about the body and its environment. This working knowledge of the cellular and molecular biology of neurons will serve as the foundation for the understanding of activity dependent circuit formation and brain	Title changed from Neurophysiology, description, prerequisite
Fall 2020	M	Bi	563	Neuroscience II: Sensory and Motor Systems	4	Explores movement and the mechanisms by which organisms transduce, encode, and ultimately perceive information from both the external and internal environment. Topics: Touch and Proprioception, Pain, Vision, Auditory System, Vestibular System, Chemical Senses, Lower Motor Neuron Circuits and Motor Control, Upper Motor Neuron Control of the Brainstem and Spinal Cord, Modulation of Movement by the Basal Ganglia, Modulation of	Title changed from Sensory Physiology, description
Fall 2020	M	BSt	351U	African American Literature I	4	An introduction to literature written by and about African Americans from the colonial period to the era of the abolition of slavery. This is the same course as Eng	Title changed from African American Literature, description, repeatability, and grading option changed
Fall 2020	M	BSt	352U	African American Literature II	4	An introduction to African American literature from the mid-nineteenth century to the beginnings of the "Black Arts" movement. This is the same course as Eng 352U and may be taken only once for credit.	Title changed from African American Literature, prerequisites removed, description, repeatability, and grading option changed

Fall 2020	M	BSt	372U	Post-colonial Studies of Africa	4	Study of the social, political, and economic dimensions of imperialism in twentieth century Africa from the perspective of post-colonial studies. This is	Title changed from Sociology of Africa: Post-colonial Studies of Africa
Fall 2020	N	BSt	378	Philosophy of Race	4	Explores philosophical assumptions involved in the concept of race, as well as the political realities of racial identities. This course is concerned with the metaphysical legitimacy of race, as well as the social, ethical, and political effects of race. Students will explore the	
Fall 2020	M	BSt	411	African American History Seminar	4	In-depth analysis of critical topics and issues in African American history. The content of the course is topical rather than chronological and the approach will emphasize specific periods, individuals, or relevant developments for a concentrated treatment in a seminar environment. This course may be repeated twice for credit. Also offered for graduate-level credit as	Prerequisites
Fall 2020	M	BSt	412	Oregon African American History	4	Examination of the black experience in Oregon history. Topics include the slavery controversy in early Oregon development, contributions of blacks to the growth of the state, black migration during World War II, the Vanport flood, and various legislative actions	Prerequisites

Fall 2020	N	BSt	415	Race, Justice, and Punishment	4	Examination of historical and contemporary incarceration in the U.S. including slavery, Reconstruction, and Jim Crow eras through the lens of race, class, gender, sexual identity, nationality, power and privilege. Responses to demands for justice and exploration of the use of racial ideologies in the	
Fall 2020	M	BSt	484	African American Community Development	4	Study of community development and applicability to African American communities. Topics include community development, community organization, ghettos as colonies, citizen participation, change agents, planning, and social change implications. Expected preparation: BSt 202,	Prerequisites
Fall 2020	M	Bsta	510	Biostatistics Lab	3	The course provides hands-on data analysis and/or biostatistical consulting experience to students outside classroom settings. Students will have opportunities to perform data analysis with inputs from faculty members. Students should have adequate skills in at least one statistical program among STATA, SAS or R and finished BSTA 512 Linear Models or equivalent. Students meet weekly for 1~2 hour with the course instructor for discussion on their projects and are required to have regular meetings with an assigned faculty advisor and/or consultee(s), if applicable. Students are expected to work	Course number changed to Bsta 530

Fall 2020	M	Bsta	514	Statistical Analysis of Time-to-Event Data	3	students to analysis of time-to-event (i.e. survival) data, covering methods for estimation, hypothesis testing, and regression methods for censored data with covariates. Methods widely used in the health sciences are covered, including Kaplan-Meier (empirical) estimate of the survival function and its associated statistical tests. The Cox proportional hazards regression model is presented in detail, along with some extensions of this model. As time allows, other topics will be introduced including parametric survival models, frailty models and/or models incorporating competing risks. Power and sample size computations for time-to-event data will also be introduced. Most assignments will be completed using	Title changed from Survival Analysis, description changed
Fall 2020	M	Bsta	516	Design and Analysis of Surveys	3	This course is designed to introduce basic concepts, techniques, and current practice of sample survey design and analysis. Specific topics covered include introduction to statistical sample design, such as simple random sampling, systematic sampling, stratified random sampling, cluster sampling, multistage sampling. Complex designs will also be included. Topics in estimation and analysis include probability weighting, weight	Description

Fall 2020	M	Bsta	522	Statistical Learning and Data Science	3	<p>This course is designed to introduce theory and methods for statistical learning and data science. Data science is an emerging field that overlaps with computer science, artificial intelligence, machine learning/deep learning and statistics. This is an exciting time to observe the birth of the new field. In recent years, statistical learning has been increasingly becoming crucial in data science. Ever-increasing data complexity and unconventional data create new challenges for traditional statistical learning, and this is an</p>	Title changed from Statistical Learning and Big Data, description changed.
Fall 2020	M	Bsta	525	Introduction to Biostatistics	4	<p>The goal of this course is to cover the broad range of statistical methods used in health sciences. Methods of summarizing data through graphical displays and numerical measures will be discussed. Basic probability concepts will be explored to establish the basis for statistical inference. Confidence intervals and hypothesis testing will be studied with emphasis in applying these methods to relevant situations. Both normal theory and non-parametric approaches will be studied. Course focus will be to</p>	Description

Fall 2020	M	Bsta	530	Biostatistics Lab	3	<p>The course provides hands-on data analysis and/or biostatistical consulting experience to students outside classroom settings. Students will have opportunities to perform data analysis with inputs from faculty members. Students should have adequate skills in at least one statistical program among STATA, SAS or R and finished BSTA 512 Linear Models or equivalent. Students meet weekly for 1~2 hour with the course instructor for discussion on their projects and are required to have regular meetings with an assigned faculty advisor and/or consultee(s), if applicable. Students are expected to work</p>	Course number changed from Bsta 510
Fall 2020	N	CCJ	315	Crime Myths	4	<p>Crime in various forms is a common topic of conversation among individuals at work, at home, at school and in a variety of other settings. Much of what people believe about crime, its perpetrators and its victims often does not fit very well with what we can learn from careful scientific study of crime. Misperceptions about crime and justice are commonly fostered by the media, political leaders, and from overgeneralizations of</p>	

Fall 2020	N	CCJ	325	Crime in the City	4	Crime is a relatively rare event. Urban crimes, in particular, tend to happen in specific and predictable locations. In this class, we introduce a set of criminological theories that explore the role that city structure plays in influencing human behavior and shaping where crime events occur. By understanding both where and why crimes concentrate in specific locations, we are able to introduce approaches for addressing and preventing these crime	
Fall 2020	N	CCJ	345	Human Behavior and the Law	4	As the study of human behavior, psychology must include the study of law, which is a primary instrument used by society to control human behavior. The law makes many assumptions about human behavior – are they accurate? This course concerns the	
Fall 2020	N	CCJ	390	Crimes of the Powerful	4	Crimes committed by persons of respectability and high social status as opposed to traditional "street crimes" normally highlighted in criminology and criminal justice courses. White collar corporate, governmental, and occupational crime examples include: violations of environmental, safety, health, and labor laws; finance crimes; corporate abuses of power; fraud; crimes of globalization; and violations of the	
Fall 2020	D	CE	213	Field Problems in Plane Surveying	1		

Fall 2020	D	CE	214	Field Problems in Plane Surveying	1		
Fall 2020	N	CE	447	Slope Stability Analysis	4	Covers soil strength as it relates to slope stability (drained strength, undrained strength, residual strength), principles of slope stability analysis and applications to natural and man-made slopes, available instrumentation to monitor slope stability, and methods to mitigate or increase the factor of safety of marginal slopes. Also offered for graduate-	
Fall 2020	D	CE	448	Earthquake Accommodation and Design	4		
Fall 2020	N	CE	448	Geotechnical Case Studies	4	Provides exposure to many different aspects of geotechnical engineering practice through a wide range of project case studies presented by local, practicing geotechnical engineers. The case studies will illustrate how to identify important site parameters within the site data and how these parameters might affect	
Fall 2020	D	CE	455	Intelligent Transportation Systems	4		
Fall 2020	D	CE	457	Pavement Design	4		

Fall 2020	N	CE	547	Slope Stability Analysis	4	Covers soil strength as it relates to slope stability (drained strength, undrained strength, residual strength), principles of slope stability analysis and applications to natural and man-made slopes, available instrumentation to monitor slope stability, and methods to mitigate or increase the factor of safety of marginal slopes. Also offered for
Fall 2020	D	CE	548	Earthquake Accommodation and Design	4	
Fall 2020	N	CE	548	Geotechnical Case Studies	4	Provides exposure to many different aspects of geotechnical engineering practice through a wide range of project case studies presented by local, practicing geotechnical engineers. The case studies will illustrate how to identify important site parameters within the site data and how these parameters might affect the project design. Also
Fall 2020	D	CE	555	Earthquake Accommodation and Design	4	
Fall 2020	D	CE	557	Intelligent Transportation Systems	4	
Fall 2020	D	CE	670	Groundwater Modeling	4	

Fall 2020	N	CFS	386U	Youth Healthy Relationships and Sexuality Education	4	Explores the demands, parameters and possibilities of healthy relationship and sexuality education (HRSE) for youth. Together we will wrestle with what has come before and imagine what could be, focusing on the strengths and voices of people who are currently and historically pushed to the margins, and exploring what youth tell us they want and need. Through active participation, students	
Fall 2020	M	Ch	335	Organic Chemistry II	4	A comprehensive study of the chemistry of the compounds of carbon. Meets chemistry and biochemistry major requirements. The corresponding laboratory courses are Ch 337, Ch 339 for chemistry and biochemistry majors, and Ch 337, Ch 338 for non-chemistry majors. This is the second course in a sequence of three: Ch 334, Ch 335, and Ch	Description and prerequisites
Fall 2020	M	Ch	336	Organic Chemistry III	4	A comprehensive study of the chemistry of the compounds of carbon. Meets chemistry and biochemistry major requirements. The corresponding laboratory courses are Ch 337, 339 for chemistry and biochemistry majors, and Ch 337, 338 for non-chemistry majors. This is the third course in a sequence of three: Ch 334, Ch 335, and Ch	Description and prerequisites

Fall 2020	M	Ch	441	Physical Chemistry II	4	The study of thermodynamics, phase and chemical equilibria, solutions, electrochemistry, reaction rates and mechanisms, quantum mechanics, spectroscopy, electron transport, molecular modeling and statistical mechanics. This is the second course in a sequence of three: Ch 440, Ch 441, and Ch	Prerequisites
Fall 2020	M	Ch	491	Biochemistry: Enzymology and Metabolism	4	Second term of a three-term course for students preparing for professional biochemical work. Basic principles of enzyme catalysis and mechanism, the chemistry and energetics of the primary metabolic pathways responsible for life, including glycolysis/glyconeogenesis, citric acid cycle, lipid and amino acid metabolism, oxidative phosphorylation, and	Prerequisites
Fall 2020	M	Ch	492	Biochemistry: Nucleic Acids and Biological Information Flow	4	Third term of a three-term course for students preparing for professional biochemical work. Structure and function of nucleotides and nucleic acids. Biochemical detail of DNA replication, RNA transcription, and protein translation. Also offered for graduate-level credit	prerequisites
Fall 2020	M	CI	522	Literacy Foundations	4		Changed to READ 522. See notes for READ 522.
Fall 2020	M	CI	527	Literature in Classrooms K-8	3		Changed to READ 527. See notes for READ 527.

Fall 2020	N	CI	550	Teacher Leadership	3	<p>Teacher Leadership is a course for educators, particularly K-12 teachers, curriculum developers, mentors, coaches, and other leaders, who would like to learn more about how to be effective leaders in their school agencies.</p> <p>There is a focus on</p>
Fall 2020	N	Comm	416	Communicating Environmental Controversies	4	<p>With a special emphasis on environmental conflicts and controversies, this course explores how communication shapes the way we think about, talk about, and relate to the natural world. The class covers the latest theoretical and practical approaches to environmental communication, the anatomy of environmental controversies, and the different factors that shape public opinion on those controversies</p>
Fall 2020	N	Comm	445	Risk and Strategic Communication	4	<p>Examination of the theoretical background and the intricacies of risk communication, with a focus on strategic communication. From health crises to earthquakes to environmental disasters, this course explores several modern day challenges through a series of cases studies and exercises emphasizing preparation/mitigation, audience analysis, message development, communication channel identification, and outcome evaluation.</p>

Fall 2020	N	Comm	545	Risk and Strategic Communication	4	Examination of the theoretical background and the intricacies of risk communication, with a focus on strategic communication. From health crises to earthquakes to environmental disasters, this course explores several modern day challenges through a series of cases studies and exercises emphasizing preparation/mitigation, audience analysis, message development, communication channel identification, and outcome evaluation. Expected preparation:
Fall 2020	N	COTA	135	Artist as Citizen: A Survey of Art Activism	2	Examines art activism and the artist's role in pursuing social change. Through reflection on their own values, beliefs, and artistic agency, as well as studying a broad spectrum of artistic engagement—from grassroots creativity to global celebrity culture—students will gain an understanding of the ways that artists engage with communities, and address contemporary
Fall 2020	N	COTA	335	Artist as Citizen: Engage in Art Activism	2	Provides a hands-on, community-based experience that delves into the process of artistic activism. Students will collaborate with their peers, and arts-related community partners and engage with K-5 public school students to examine social-justice issues, and create and share artistic responses that reflect these issues. In the process,

Fall 2020	N	Coun	584	Crisis Assessment and Intervention	1	Designed to provide students with knowledge and skills in crisis assessment and intervention in a variety of settings. Course content includes the types of crisis situations many counselors experience, including suicidal clients, clients who are victims of abuse or neglect, and potentially homicidal clients. Students will	
Fall 2020	M	CPH	515	Geographic Information Systems for Public Health	3	practitioners track population data to plot disease trends and associated patterns of social and biological determinants of health disparities. This course will cover concepts of basic mapping using Geographic Information System (GIS) software. Types and sources of data will be reviewed, along with their uses for understanding demographic and socioeconomic trends. This is an asynchronous, online "lab" course based on tutorials and case studies. Students interested in a strong understanding of	Course number changed from CPH 510. Course description updated.
Fall 2020	D	CPH	513	Applied Practice Experience	3		

Fall 2020	M	CPH	538	Public Health Program Evaluation	3	Using case study methodology, this course focuses on the acquisition of technical skills in design, data collection and analysis for the purpose of evaluating public health programs. Program justification and evaluation for policy-making purposes will be emphasized. In addition, alternative forms of evaluation will be examined including rapid assessment, participatory evaluation and historical, social networking and other techniques. Students will have the opportunity to examine public health data sets and to design an evaluation focused on a	Prerequisites
Fall 2020	M	CPH	615	Geographic Information Systems for Public Health	3	practitioners track population data to plot disease trends and associated patterns of social and biological determinants of health disparities. This course will cover concepts of basic mapping using Geographic Information System (GIS) software. Types and sources of data will be reviewed, along with their uses for understanding demographic and socioeconomic trends. This is an asynchronous, online "lab" course based on tutorials and case studies. Students interested in a strong understanding of	Course number changed from CPH 610. Course description updated.

Fall 2020	N	CR	101	Nonviolent Interaction	2	Offers students a basic framework for transforming human interactions, especially social discourse and communication, from "calling out" to "calling in." Covers techniques developed by nonviolent actionists, psychologists, and communication theorists to help	
Fall 2020	N	CR	201	Social Movement Messaging	2	Grassroots politics at every level from community to county to state to national and transnational are successful or not in large part due to the quality of messaging. Using interdisciplinary principles from Conflict Resolution, Communications, Psychology, and Writing (English), students	
Fall 2020	M	CR	303U	Consensus Building	4	Competency development in seeking, building, and achieving consensus decisions in organizations and community coalitions. How to achieve	Description
Fall 2020	M	CR	304U	Participating in Democracy	4	When individuals, groups, or coalitions want policy change they are not limited to simply voting. This course explores the many ways to work in a democracy even for people unable to vote (too young, non-citizens, purged from rolls for any reason).	Description

Fall 2020	M	CS	435	Accelerated Computing	4	Heterogeneous approaches that use special-purpose processors to accelerate the execution of a variety of applications. GPUs, Intel Xeon Phi, APUs, FPGUs. The sustainability implications of these platforms. Lectures, homeworks, labs, and group programming projects using NVIDIA GPUs and	Prerequisites
Fall 2020	M	CS	488P	Cloud and Cluster Data Management	4	Covers advanced data management solutions emerging for cloud and cluster computing environments, focusing on horizontal and vertical scalable approaches. Also covers principles behind data management in these environments, plus specific data management systems that are currently in use or being developed. Topics range from novel data processing paradigms to commercial data management platforms and open-source NoSQL databases. Students will gain broad knowledge about	Course number changed from CS 488.
Fall 2020	M	CS	535	Accelerated Computing	3	Heterogeneous approaches that use special-purpose processors to accelerate the execution of a variety of applications. GPUs, Intel Xeon Phi, APUs, FPGUs. The sustainability implications of these platforms. Lectures, homeworks, labs, and group programming projects	Prerequisites

Fall 2020	M	CS	576	Computer Security Research Seminar	3	Seminar on emerging topics in computer security. Also offered as CS 676 and may be taken only once for credit.	Title changed from Computer Security, description, instructional method changed from lecture to seminar
Fall 2020	D	CS	589	Principles of Database Systems	3		
Fall 2020	M	CS	676	Computer Security Research Seminar	3	Seminar on emerging topics in computer security. Also offered as CS 576 and may be taken only once for credit.	Title changed from Computer Security, description, instructional method changed from lecture to seminar
Fall 2020	D	CS	689	Principles of Database Systems	3		
Fall 2020	D	Dane	316	Readings in Danish	2		
Fall 2020	D	Dane	345U	Hans Christian Andersen	4		
Fall 2020	D	Dane	346U	Century Danish Women Writers	4		
Fall 2020	D	Dane	347U	Major Works in Danish Literature	4		
Fall 2020	D	Dane	361U	Danish Films from Dreyer to Dogmer	4		
Fall 2020	M	Des	100	Introduction to Communication Design for Non-Majors	4	Introduction for non-majors to communication design principles and methods used in composition. Lectures, readings, and projects enable creative application of design principles, color theory, and typography. Projects address formal concerns of visual communication design, visual literacy, design nomenclature, and design process through methods and strategies for creative problem-solving. Students demonstrate verbal and visual	Title changed from Introduction to Communication Design for Non-Art Majors. change description

Fall 2020	M	Des	120	Digital Design	4	Digital media is a creative tool for graphic designers. Lectures introduce current and creative practitioners as well as concepts of vector and raster graphics, including digital type, image and device resolution, file formats, and digital print	Prerequisites
Fall 2020	M	Des	121	Introduction to Type and Communication Design	4	Introduction to typography and communication design. Methods, strategies and processes for thinking creatively are investigated through execution in both typography and communication design. Emphasis is placed on	Prerequisites
Fall 2020	N	Des	125	Show and Tell	1	Introduces students to a wide range of practices and practitioners in the field of design. Students will become embedded with professionals in the graphic design community through a	
Fall 2020	N	Des	140	Foundations in Motion, UI, and UX	4	Introduction to working in digital media. Methods, strategies and processes for thinking creatively are investigated through execution in both motion graphics and UI/UX (user interface and user-experience) design. Emphasis is placed on	

Fall 2020	M	Des	300	Digital Page Design II	4	<p>Studio course in print design with an emphasis on digital pre-press. Creative projects with an emphasis on typographic solutions are developed through all stages of design and production and completed in a press run. Industry standards for design and production practices are examined. This course requires that students furnish a laptop computer that meets the departmental standards in terms of hardware and software (see departmental website for requirements). Open to non-majors who have prerequisites and</p>	Prerequisites
Fall 2020	M	Des	310	Digital Imaging and Illustration II	4	<p>Studio course in advanced composition using photo-illustration, vector illustration, and hybrid illustration techniques. Emphasis is placed on a conceptual approach to composition and creative process exemplified in the content, style, and execution of illustration projects. This course requires that students furnish a laptop computer that meets the departmental standards in terms of hardware and software (see departmental website for requirements). Open to non-majors who have</p>	Prerequisites and description

Fall 2020	M	Des	320	Information Design	4	A sequence focusing on concept development and solutions for communication design problems. History, theoretical approaches, critical readings, group and individual critiques, and written assignments support visual design exploration. Des 320: Focus is placed on the narrative and information structures, Historical context and ethical design concerns are addressed. These courses require that students furnish a laptop computer that meets the departmental standards in terms of hardware and software (see departmental website for	Change title from Communication Design Studio III, change prerequisites
Fall 2020	M	Des	321	Brand Lab	6	The sequence focuses on concept development and solutions for communication design problems. History, theory, critical readings, critiques, and written assignments support visual design exploration. Des 321: Complex problems, focus on public communication, branding, and information design. This is the second course in a	Change title from Communication Design Studio IV

Fall 2020	M	Des	341	Interactive Media I	4	<p>Interactive design for the Web focusing on principles of information architecture, navigation systems, and visual interface. HTML / CSS markup and the use of visual design tools. Creation and optimization of graphics in compressed formats. Introduction to Web production work-flow through development of site projects and a personal portfolio. Topics include usability and the aesthetics of web media. This course requires that students furnish a laptop computer that meets the departmental standards in terms of hardware and software (see</p>	Prerequisites
Fall 2020	M	Des	354	Typography II	4	<p>The second course in a sequence on typography addressing more complex communication problems. An emphasis is placed on developing strong conceptual solutions and integrating text and image. Design, Art and Literary Theory is introduced and applied to the problem-solving process. Continued emphasis is placed on understanding design within a historical context. Projects to include large, multiple page formats, such as books, editorial design and annual reports. This course requires that students furnish a laptop computer that meets the departmental standards in terms of hardware and software (see</p>	Prerequisites

Fall 2020	M	Des	367	Design Business Practices	4	Introduction to multidisciplinary, team-based, problem-solving practices in communication design. Majors in art/graphic design and non-art majors enroll in this course to form interdisciplinary teams working on hypothetical projects or case studies in current business problems, issues, and trends. Emphasis is placed on strategic design and planning, creative process, project management, and studio management. Students demonstrate skills in research, conceptual development, persuasive writing and communication, negotiation, initiative, collaboration, and team	Prerequisites
Fall 2020	M	Des	472	Communication Design Portfolio	6	Development of a design portfolio that presents the creative, conceptual, strategic and technical abilities of the designer. Independent exploration is expected, as well as consistent and professional written and verbal presentation. Emphasis is placed on professional skills required in the marketplace. Required	Prerequisites
Fall 2020	M	Ec	312	Macroeconomic Theory	4	Tools and models to analyze factors influencing the levels of output, employment and prices. Fundamentals of the theory of business cycles, economic growth, and inflation. The role of government in solving macroeconomic problems. Prerequisites: Ec 202; Ec 311 or Ec 415	Prerequisites

Fall 2020	M	Ec	435	Public Spending and Debt Policy	4	Analysis of the role of the state in a competitive economy. Development of decision rules for state economic action. Includes a detailed study of the principles of voting, public budgeting including cost benefit analysis and PPBS, the theory of fiscal federalism and the theory and principles of public debts. Expected preparation: Ec 201, 202. Also offered for	Prerequisites
Fall 2020	M	Ec	465	Labor Economics	4	This course investigates the determinants of wages, the decision to work, the reasons demographic groups fare differently in the labor market, and sources of unemployment. Also considers current developments in labor markets of increasing wage inequality, globalization, declining unionization, and widespread use of new	Prerequisites
Fall 2020	M	Ec	469	Introduction to Econometrics	4	General survey of empirical techniques useful for economic analysis. Focus on the applications of mathematical tools and regression analysis in economics. Quantitative topics will be introduced systematically with hands-on case studies and examples related to the fields of economics, public policy, and urban studies. This course will not be counted as credit for economics graduate students, but may be taken by graduate	Prerequisites

Fall 2020	M	Ec	472	Time Series Analysis and Forecasts	4	Time series analysis, emphasizing model identification, estimation, and forecasting. Non-stationary time series analysis includes unit root and cointegration tests. Techniques of moving average, differencing, and autocorrelation adjustment are introduced. Diagnostic checking following the model evaluation provides the base model for forecasting. Expected preparation: Ec 370. This course assumes background knowledge of linear regression, algebra, probability theory, statistical inference, distribution	Prerequisites and expected preparation language for the undergraduate-level.
Fall 2020	M	Ec	572	Time Series Analysis and Forecasts	4	Time series analysis, emphasizing model identification, estimation, and forecasting. Non-stationary time series analysis includes unit root and cointegration tests. Techniques of moving average, differencing, and autocorrelation adjustment are introduced. Diagnostic checking following the model evaluation provides the base model	Prerequisites
Fall 2020	M	ECE	413	Senior Project Development II	2	Concludes development of design projects started in ECE 412. Students maintain logs of their individual work and submit weekly progress reports. Each group prepares final written and oral reports for the project sponsor. Each group creates a poster	Prerequisites

Fall 2020	N	EMCR	520	Anatomy and History of Disasters	4	This is survey of major natural disasters (both geological and weather related ones) that affect humans, focusing on causes, effects, recovery, planning and prediction. Many case histories will
Fall 2020	N	EMCR	530	Building Community Resilience	4	Introduction to resilience theory, concepts, and applications in a hazards planning and disaster management. Surveys sociological, public administration, and planning theory literature to understand risk, resilience, and methods to address these at the community level. This is
Fall 2020	N	EMCR	535	Strategies for Organizing Recovery, Mitigation and Resilience	3	Application of resilience concepts in the policy and planning context. The course provides tools for using resilience concepts in policy making, policy analysis, and hazards and disaster planning. Introduces practical tools for
Fall 2020	N	EMCR	540	Principles and Practices of Emergency Management	3	Explores the history, doctrines, and authorities of emergency management as well as the role of the emergency manager. It provides background on this emerging field as well on theoretical foundations of effective emergency

Fall 2020	N	EMCR	545	Risk and Strategic Communication	4	Examination of the theoretical background and the intricacies of risk communication, with a focus on strategic communication. From health crises to earthquakes to environmental disasters, this course explores several modern day challenges through a series of cases studies and exercises emphasizing preparation/mitigation, audience analysis, message development, communication channel
Fall 2020	N	EMCR	550	International Perspectives on Disaster Management & Resilience	3	Narratives, images, and research across the globe continue to document the devastating effects of disasters, both human-made and natural. This documentation demonstrates the monumental effects disasters can have on human life, infrastructure, and the natural environment, let alone an economy. Emergency management systems vary across nations and

Fall 2020	N	EMCR	560	Climate Resiliency Planning	3	This course aims to examine the response of society to a changing climate, with an emphasis on the practices, processes, and programs that can improve the resiliency of communities to climate-induced impacts. We will investigate what it means to be “resilient”, exploring principles from planning, sociology, engineering, environmental studies, and disaster studies, and other related fields. We will also pay special attention to the interplay between social inequality,
Fall 2020	N	EMCR	567	Community Resilience in Coupled Socio-Ecological Systems	4	Examines community vulnerability, adaptation, and resilience to environmental risks and hazards in the coupled human and natural systems from a geographical and spatial science perspective. Focuses on US and international case studies in major urban areas to investigate the questions of “why, when, for whom, and how” of community
Fall 2020	N	EMCR	591	Culture, Vulnerability and Disaster Resilience	4	This class discusses the distinctions between natural hazards and disasters, human-made and natural events, and sudden and slow-moving catastrophes. It considers the effects of preexisting social inequalities (e.g., race) and vulnerabilities (e.g., poverty) and examines individual, household, and community resilience as a function of social networks and social capital. The class also explores the roles of perceived risk,

Fall 2020	N	EMCR	595	Capstone Seminar in Emergency Management and Resilience	4	This seminar is the capstone experience for the Emergency Management and Community Resilience Program. It provides the opportunity to integrate the skills and perspectives of core courses with team learning generated through experiential learning. Students in the capstone seminar, working as a team, will develop a disaster management or business continuity plan for a public, private, or nonprofit organization that requests assistance in preparing a disaster	
Fall 2020	M	Eng	310U	Topics in Children's and Young Adult Literature	4	Study of literary works written for young audiences, with attention to constructions of childhood and family in changing cultural contexts. Topics vary by genre, historical period, geographical region, author, theoretical approach, or theme. Course may be repeated	Title changed from Children's Literature, change description, repeatability, and grading option
Fall 2020	M	Eng	331U	Introduction to Rhetoric and Composition	4	Survey of the discipline of rhetoric and composition, including history, theory, practice, and teaching.	Title changed from Introduction to Rhetoric and Composition Studies, change description, repeatability, and grading option
Fall 2020	M	Eng	351U	African American Literature I	4	An introduction to literature written by and about African Americans from the colonial period to the era of the abolition of slavery. This is the same course as BSt	Title changed from African American Literature, description, repeatability, and grading option changed

Fall 2020	M	Eng	352U	African American Literature II	4	An introduction to African American literature from the mid-nineteenth century to the beginnings of the "Black Arts" movement. This is the same course as BSt 352U and may be taken only once for credit.	Title changed from African American Literature, prerequisites removed, description, repeatability, and grading option changed
Fall 2020	M	Eng	413	Teaching and Tutoring Writing	4	Study and practice of writing instruction in various contexts, with focus on process, evaluation, and feedback. Also offered for graduate-level credit as Eng 513 and may be	Description, repeatability, grading option
Fall 2020	M	Eng	414	Composition Theory	4	Survey of composition theory, including rhetoric, cognition, pedagogy, and research across literacy contexts. Students will develop and pursue research projects according to their interests. Also offered for graduate-level credit as Eng 514 and may be	Title changed from Contemporary Composition Theories, change description, repeatability, and grading option
Fall 2020	M	Eng	415	Research Methods in Rhetoric and Composition	4	Study and practice of empirical and ethnographic methodologies, with focus on epistemology, ethics, and representation. Students will develop and pursue research projects according to their interests. Also offered for	Description, repeatability, grading option
Fall 2020	M	Eng	416	History of Rhetoric	4	Survey of rhetorical theory and practice from classical through contemporary contexts. Students will develop and pursue research projects according to their interests. Also offered for graduate-level credits as Eng 516 and may be	Description, repeatability, and grading option
Fall 2020	D	Eng	425	Practical Grammar	4		

Fall 2020	M	Eng	490	Advanced Topics in Rhetoric	4	Advanced study of rhetorical theory and practice, with focus on ideology, identity, and public discourse. Students will develop and pursue research projects according to their interests. Course may be repeated for credit with different topics for up to 8 credits. Up to 8 credits of this course number can be applied to the English	Title changed from Advanced Topics in Rhetoric and Composition Studies, description, repeatability, grading option
Fall 2020	M	Eng	500	Problems and Methods	4	Required of all English M.A. students, ENG 500 introduces students to methods of analysis, interpretation, and research. Students take the course in the fall	Title changed from Problems and Methods of Literary Study, description
Fall 2020	M	Eng	513	Teaching and Tutoring Writing	4	Study and practice of writing instruction in various contexts, with focus on process, evaluation, and feedback. Also offered for undergraduate-level	Description, prerequisites, repeatability, grading option
Fall 2020	M	Eng	514	Composition Theory	4	Survey of composition theory, including rhetoric, cognition, pedagogy, and research across literacy contexts. Students will develop and pursue research projects according to their interests. Also offered for undergraduate-level	Title changed from Contemporary Composition Theories, change description, repeatability, prerequisites, and grading option
Fall 2020	M	Eng	515	Research Methods in Rhetoric and Composition	4	Study and practice of empirical and ethnographic methodologies, with focus on epistemology, ethics, and representation. Students will develop and pursue research projects according to their	Description, prerequisites, repeatability, grading option

Fall 2020	M	Eng	516	History of Rhetoric	4	Survey of rhetorical theory and practice from classical through contemporary contexts. Students will develop and pursue research projects according to their interests. Also offered for undergraduate-level	Description, repeatability, prerequisites, and grading option
Fall 2020	M	Eng	525	Practical Grammar	4	Designed to enable students to understand, and therefore consciously to make effective, the structures of their written sentences. The course examines grammatical categories, structures, and terminology; relationships between grammatical structures and punctuation; and prescriptive grammars	Remove from dual-level pairing
Fall 2020	M	Eng	590	Advanced Topics in Rhetoric	4	Advanced study of rhetorical theory and practice, with focus on ideology, identity, and public discourse. Students will develop and pursue research projects according to their interests. Course may be repeated for credit with different topics for up to 8 credits. Up to 8 credits of this course number can	Title changed from Advanced Topics in Rhetoric and Composition Studies, description, prerequisites, repeatability, grading option

Fall 2020	M	Epi	512	Epidemiology I	4	Epidemiology I introduces the concepts, principles and methods of epidemiology to graduate students in the School of Public Health. Epidemiology is one of the fundamental sciences used by public health professionals to identify, prevent and control health problems in communities. Specifically, epidemiologic methods are used to investigate the distribution of health-related states or events (e.g. disease, health conditions, etc.) in populations and identify the factors or characteristics that influence or determine these distributions. In addition, epidemiology is
Fall 2020	D	Epi	518	Environmental Health Survey	3	
Fall 2020	M	Epi	612	Epidemiology I	4	Epidemiology I introduces the concepts, principles and methods of epidemiology to graduate students in the School of Public Health. Epidemiology is one of the fundamental sciences used by public health professionals to identify, prevent and control health problems in communities. Specifically, epidemiologic methods are used to investigate the distribution of health-related states or events (e.g. disease, health conditions, etc.) in populations and identify the factors or characteristics that influence or determine these distributions. In addition, epidemiology is

Fall 2020	M	Fin	301U	Introduction to Investing	4	Investing is a means to help you meet specific financial goals, such as retirement, purchasing a house, or starting your own business. This class will introduce you to investing and help you understand the types of investment options available, their risks and returns, and how to create appropriate holistic investing strategies based on your investing goals. As part of a holistic strategy, the class will review such topics as tax efficient options, 529 plans, and 401k plans. This class will also introduce a basic understanding of various investment options including, but not limited to, mutual funds, ETFs, stocks, bonds, and cash.	Title changed from Stock Market; credit hours changed from 3 credits to 4 credits; change description
Fall 2020	M	Fin	439	Real Estate Valuation I	4	Fundamentals of appraising real estate, focusing on valuation techniques for income-producing real estate assets. Analysis of income and expenses, net operating income, leveraged and unleveraged cash flows, debt coverage ratios, direct capitalization, multipliers, and discounted cash flows. Marketability analysis, highest and best use concepts, zoning, environmental issues, and the risks and	Prefix changed from RE 439

Fall 2020	M	Fin	473	Investment Analysis and Portfolio Management	4	A study of the application of both portfolio theory and fundamental valuation techniques in security investment decisions. Students in this course serve as portfolio managers to a real dollar portfolio, providing security and sector oversight to the portfolio. The implications of modern portfolio theory for portfolio management and in portfolio performance evaluation are emphasized. This is the	Prerequisites
Fall 2020	M	G	312	Mineralogy	3	Description, classification, and genesis of minerals and their importance for understanding the make up of the Earth and planets, mineral	Prerequisites
Fall 2020	M	G	326	Numerical Modeling of Earth Systems	5		Course number changed to G 426
Fall 2020	M	G	423	Statistics and Data Analysis in the Geosciences	4	Application of digital computers to problems in geology. Topics covered are analysis of data collected along a traverse, over a map area, and multivariate data. Applications to stratigraphic sections, chart recordings, sample locations, mapping, trend	Prerequisites
Fall 2020	M	G	426	Numerical Modeling of Earth Systems	4	Application of modeling software to chemical, biological and physical global systems. Introduction to numerical methods, such as finite-elements and finite-differences, for solving systems of equations that describe geological	Change course number from G 326, change credit hours from 5 to 4, change description and prerequisites

Fall 2020	M	G	434	Structural Geology and Tectonics	5	Study of origin, interpretation, and mapping of major and minor geologic structures and their relation to plate tectonics. Three lectures; two 2-hour laboratories; and required field study. Prerequisites: (Ph 201	Prerequisites
Fall 2020	M	G	443	Ground Water Geology	4	Study of the physical and chemical properties of underground water; the physical properties of aquifers and their control and effect on the contained waters; water movement and the conservation and utilization of existing ground water bodies as well as development of new water bodies and rejuvenation of depleted and starved aquifers. Also offered for graduate-level credit as G 543 and	Prerequisites
Fall 2020	M	G	446	Meteorites	4	A course examining meteorites and the information they provide about the birth and evolution of the solar system. Topics include asteroids and asteroidal heat sources, the solar nebula, early solar system chronology, pre-solar grains, abiotic synthesis of organic matter, differentiation, impacts and collisional processes, and meteorites from Mars.	Prerequisites

Fall 2020	M	G	448	Chemical Hydrogeology	4	The study of low temperature aqueous groundwater geochemistry with emphasis on factors which change chemical composition of groundwater and factors which influence the transport of both inorganic and organic contaminants. Topics will include geochemistry of equilibrium reactions, mineral solubility, complexing, oxidation-reduction reactions, surface reactions and vadose zone processes.	Prerequisites
Fall 2020	N	G	476	Earthquake Geology	4	Characterizes earthquakes from a geological perspective. Course content includes discussion of the earthquake process, and the application of a variety of tools (e.g. geomorphology, stratigraphy, structure, geophysics, and seismology) to evaluate the earthquake cycle. The course will cover sub-disciplines within earthquake geology and skills necessary to conduct a geological investigation of earthquakes. The class will evaluate the four tectonic environments;	

Fall 2020	N	G	576	Earthquake Geology	4	Characterizes earthquakes from a geological perspective. Course content includes discussion of the earthquake process, and the application of a variety of tools (e.g. geomorphology, stratigraphy, structure, geophysics, and seismology) to evaluate the earthquake cycle. The course will cover sub-disciplines within earthquake geology and skills necessary to conduct a geological investigation of earthquakes. The class will evaluate the four tectonic environments;	
Fall 2020	N	G	650	Research Methods I - Reading	4	The goal of this course is to build your research skills around obtaining, using, and communicating scientific information. This course will help you to use scientific literature, understand the development of scientific argument, and	
Fall 2020	N	G	651	Research Methods II - Writing	4	Scientific writing involves understanding the components of a well-written product as well as the strategies for planning and maintaining good writing practice. The explicit goal of this course is to make significant progress on your writing. To meet explicit writing goal relevant to your course of study, students will work to develop and reflect on personal writing strategies, review the	

Fall 2020	M	Geog	312U	Climate Variability and Change	4	Provides an understanding of how and why climate varies and changes over space and time. Climate variability is explored across a range of scales from ice ages to monsoon circulations. Examines the scientific basis for anthropogenic climate change and how it differs from natural climate variability. Students will learn by analyzing climate data, performing experiments with climate models, and	Title changed from Climate Variability; change description
Fall 2020	N	Geog	375	Maps, Culture and Society	4	Explores mapping as a way of understanding human geography. We discuss how maps are embedded in social context, and how they shape the places and spaces in which we live. Topics include historical, cultural, and contemporary usage of maps, the power of maps	
Fall 2020	M	Geog	567	Community Resilience in Coupled Socio-Ecological Systems	4	Examines community vulnerability, adaptation, and resilience to environmental risks and hazards in the coupled human and natural systems from a geographical and spatial science perspective. Focuses on US and international case studies in major urban areas to investigate the questions of "why, when, for whom, and how" of community resilience across scales. This is the same course as EMCR 567 and may	Added cross-listing with EMCR 567
Fall 2020	D	Grk	331U	Plato as Literature	4		
Fall 2020	D	Grk	334U	Greek Ethical Thought	4		

Fall 2020	N	GSCM	310	Introduction to Supply Chain Management of Food and Beverage Systems	4	This survey course covers food and beverage supply chain management from production of raw materials through to consumers. Food supply chain managers must address food safety, climate change, diminishing resources, stakeholder values, waste management, sourcing, logistics, and	
Fall 2020	M	HSMP	541	Organizational Behavior in Health Service Organizations	3	This course provides an overview of organizational theory and behavior in health services organizations. The emphasis is on developing an understanding of the factors and forces that influence the structures, behaviors and operations of various organizations that deliver health and related services. This understanding will be	Description and remove from dual-level pairing
Fall 2020	M	HSMP	575	Advanced Health Policy	3	This course enables students to deepen their understanding of local, regional, national and international health policies and policy issues with specific reference to the underlying dynamics of the policy process. Understanding the process and nature of policy choices will be emphasized – who, what, how and why of explicit and implicit decisions and choices that lead to the ultimate policy. Students will develop an understanding of how health policy can be	Description

Fall 2020	M	HSMP	576	Strategic Management of Health Care Organizations	3	This course enables students to define health services delivery problems and issues, collect and analyze relevant information, and articulate solutions to strategic management issues. Course content emphasizes organizational strategic planning tools and processes, including directional strategies, internal and external environmental assessments, strategy formulation, implementation, and evaluation. Students will demonstrate ability to integrate knowledge and skills developed across the curriculum by conducting focused case analyses and a	
Fall 2020	M	HSMP	578	Performance Improvement in Health Services	3	This course introduces students to organizational performance improvement and illustrates applications in health services delivery. Course content draws upon literature regarding industrial quality improvement, organizational performance assessment, patient safety, and health services improvement. Students will learn to apply improvement science to redesign systems and processes to achieve performance improvement in various	Title changed from Continual Improvement in Health Care. description changed

Fall 2020	N	HSMP	582	Oregon Health Policy: Lessons for State and National Health Reform	3	Reviews Oregon's nationally recognized health reforms and examine the lessons learned for the development and implementation of health policy at the national, state and local levels. Fundamental to the course will be exploring the many issues around employing public policy to address problems around access, cost, financing and quality in health care. This will be a seminar style course with an	
Fall 2020	M	HSMP	580	Health Services Human Resources Management	3	Overview of human resources within the context of health care organizations. Focus on the practical application of human resources management principles in the work setting through discussion of situations common in health care environments. Elements of the situation evaluated from the health care employee and health	Prerequisites
Fall 2020	N	HSMP	583	Economics of Health Systems & Policy	3	Health policy has a fundamental transactional nature. Economics provides a broad theoretical framework that seeks to assess and understand transactional relationships. Thus, economics has particular value as a means to diagnose the transactional problems that underpin health system dynamics and provide frameworks for proposed solutions. This course applies economic theory to assess	

Fall 2020	D	HSMP	641	Organizational Behavior in Health Service Organizations	3		
Fall 2020	N	HSMP	642	Organizational Theory and Health Systems	3	Students in this course will develop an understanding of the organizational theory domain and enhance their ability to frame research within that domain in the context of health systems. The course emphasizes both substance and skill development, drawing on insights from the fields of economics, anthropology, political science and systems science to explore the structure and functions of organizations, the interaction of	
Fall 2020	M	HSMP	660	Contemporary Research in Health Systems and Policy	3	Doctoral seminar covering current topics in health systems and policy research providing doctoral students in the Health Systems and Policy Ph.D. program an opportunity to develop multi-disciplinary	Change description and repeatability

Fall 2020	M	HSMP	673	Values and Ethics in Health	3	This course addresses issues and questions regarding values and ethics in health, with particular attention to public health practice and health policy and management. It provides students with opportunities to consider issues in health and social services that challenge values and pose ethical issues, and assists students in addressing these issues in the context of both personal and organizational values and beliefs. Specific course content includes, but is not limited to, ethical issues such as	Remove prerequisites
Fall 2020	M	HSMP	675	Advanced Health Policy	3	This course enables students to deepen their understanding of local, regional, national and international health policies and policy issues with specific reference to the underlying dynamics of the policy process. Understanding the process and nature of policy choices will be emphasized – who, what, how and why of explicit and implicit decisions and choices that lead to the ultimate policy. Students will develop an understanding of how health policy can be successfully developed	Description

Fall 2020	N	HSMP	682	Oregon Health Policy: Lessons for State and National Health Reform	3	Reviews Oregon's nationally recognized health reforms and examine the lessons learned for the development and implementation of health policy at the national, state and local levels. Fundamental to the course will be exploring the many issues around employing public policy to address problems around access, cost, financing and quality in health care. This will be a seminar style course with an	
Fall 2020	N	HSMP	683	Economics of Health Systems & Policy	3	Health policy has a fundamental transactional nature. Economics provides a broad theoretical framework that seeks to assess and understand transactional relationships. Thus, economics has particular value as a means to diagnose the transactional problems that underpin health system dynamics and provide frameworks for proposed solutions. This course applies economic theory to assess	
Fall 2020	M	Intl	296	The United States and the World	4	Interdisciplinary study and analysis of the role of the United States in world affairs with emphasis on the twentieth and twenty-first century, relations between the U.S. and the Third World, the era of the Cold War, American globalism, diplomatic,	Course number changed from Intl 396

Fall 2020	M	Intl	375U	Global Migration	4	Exploration of the relationship between globalization and labor migration, with an emphasis on understanding migration patterns at local and global scales, location of the migrant within the	Title changed from Globalization and Forced Migration; description changed
Fall 2020	M	Intl	390	Foundations of Global Studies	4		Course number changed to Intl 415; title changed to Global Studies Theories
Fall 2020	M	Intl	396	The United States and the World	4		Course number changed to Intl 296
Fall 2020	M	Intl	415	Global Studies Theories	4	Exploration of key theories of global, social, and cultural processes including positivism, liberalism, and Marxism through multiple approaches including non-Western and	Course number changed from Intl 390; title changed from Foundations of Global Studies
Fall 2020	N	ISQA	350	Solving Business Problems using Quantitative Analysis	4		
Fall 2020	M	ISQA	415	Database Management	4	Examines the business need for databases - the engines of business. Study of data environments, the evolution of database technology, database concepts and uses, data models, database design, and query processing. Emphasis will be placed on the relational model and database management systems that support the model. Students practice database design and	Description and prerequisites

Fall 2020	M	ISQA	419	Application Development	4	Introduces structured design and programming in order to solve business problems. Through hands-on development, students will become prepared to understand the nature of coding, what sorts of things are easy or hard to code, what makes coders more or less productive, what sorts of problems arise, and how hard it is to maintain code. Emphasis will be placed on developing the	Title changed from Web Application Development, description, and prerequisites
Fall 2020	M	ISQA	420	Systems Analysis and Design	4	Examines the scope and organization of the systems development process, with particular emphasis on the roles that business professionals perform in systems projects. Topics include system requirements, system specification, systems design, implementation, and project management. Standard system analysis methods	Prerequisites
Fall 2020	M	ISQA	428	Privacy, Security and Ethics	4	Examines topics of information privacy and data security that are of fundamental importance in modern organizations from an ethical lens. The theories, concepts, and practices relating to the deployment and management of information security systems, and the collection and use of data. Topics include threat analysis and risk management; encryption and security technology; data use and reuse, data	Title changed from Principles and Practices of Information Security, description, and prerequisites

Fall 2020	M	ISQA	481	Blockchain Fundamentals	4	This course introduces the fundamentals of blockchain technology and provides a comprehensive survey of the essential building blocks and unique characteristics of this innovative technology. Also offered for graduate-level credit as ISQA 581	Updated minimum passing grade from a D- to a C-
Fall 2020	M	ISQA	482	Blockchain Fundamentals Lab	2	This course provides practice using technologies that will help students understand the core features of blockchain networks as well as the cryptocurrencies and smart contracts that they enable. Also offered for	Updated minimum passing grade from a D- to a C-
Fall 2020	M	ISQA	483	Blockchain in Business	4	This course explores business uses of distributed ledger technology (DLT), including for transferring value, executing smart contracts, tracking chain of custody, and verifying identify. Also offered for graduate-level credit as	Updated minimum passing grade from a D- to a C-
Fall 2020	M	ISQA	484	Blockchain in Business Lab	2	This course provides extensive hands-on practice using distributed ledger technologies and discussions about the appropriate uses of relational databases and various permissioned and permissionless blockchain systems. Also offered for graduate-level credit as ISQA 584 and	Updated minimum passing grade from a D- to a C-

Fall 2020	M	ISQA	485	Blockchain Uses and Applications	4	This course explores current and proposed blockchain uses in variety of industries and sectors and enables students to design and develop distributed applications (DApps). Also offered for graduate-level credit as ISQA 585 and may be taken only once for credit. Prerequisite: This course is part of the Business Blockchain	Updated minimum passing grade from a D- to a C-
Fall 2020	M	ISQA	486	Emerging Topics in Blockchain	2	This course explores current and future blockchain innovations and resources available for learning about blockchain developments. Also offered for graduate-level credit as ISQA 586 and may be taken only once for credit. Prerequisite: This course is part of the Business Blockchain	Updated minimum passing grade from a D- to a C-
Fall 2020	N	ISQA	522	Special Topics in Data Science, Technology for Business	2	To do data science in business requires skills in data analysis. Much of the work of data science in business requires the manipulation of data stored in a variety of data structures possible in the R language. Students will learn the basics of the R language for data analysis, data visualization, and data manipulation. Students	
Fall 2020	N	ISQA	523	Special Topics in Data Science, Machine Learning Applications for Managers	2	The capability of "machine learning" is literally revolutionizing aspects of society, becoming a major disruptive technology and an important tool in business processes, e.g., sales forecasts, employee retention, inventory control, personalized advertisements, price optimization, and quality	

Fall 2020	M	ITP	530	Student Teaching I, Middle /High School	8	Teacher candidates will collaborate and independently plan, teach, assess, and reflect under the guidance of their Cooperating Teacher and University Supervisor. In addition, teacher candidates will participate in related professional activities at their placement school.	Title changed from Student Teaching I, Middle Level; credit hours changed from 4-8 credits to 8 credits, description changed
Fall 2020	M	ITP	531	Student Teaching II, Middle/High School	13	Teacher candidates will collaborate and independently plan, teach, assess, and reflect under the guidance of their Cooperating Teacher and University Supervisor. In addition, teacher candidates will participate in related professional activities at their placement school. Candidates will engage in ongoing inquiry and connection between	Title changed from Student Teaching II, Middle Level, credit hours changed from 9-13 credits to 13 credits, description changed
Fall 2020	M	ITP	532	Student Teaching I, Art/Music/PE K-12	8	Teacher candidates will collaborate and independently plan, teach, assess, and reflect under the guidance of their Cooperating Teacher and University Supervisor. In addition, teacher candidates will participate in related professional activities at their placement school. Candidates will engage in ongoing inquiry and connection between theory and practice.	Title changed from Student Teaching I, High School; credit hours changed from 4-8 credits to 8 credits; description changed
Fall 2020	M	ITP	533	Student Teaching II: Art/Music/PE K-12	13	Teacher candidates will collaborate and independently plan, teach, assess, and reflect under the guidance of their Cooperating Teacher and University Supervisor. In addition, teacher candidates will participate in related professional activities at their placement school.	Title changed from Student Teaching II, High School; credit hours changed from 9-13 credits to 13 credits; course description changed.

Fall 2020	M	Jpn	424	Contemporary Japanese Poetry and Pop Culture	4	An introduction to contemporary Japanese pop culture including free verse, traditional tanka, song lyrics, and comic books (manga). Students read verse in Japanese, analyze syntax, learn genre requirements, and understand the history of modern Japanese poetry and songs; students analyze sequential-art narratives to understand multiple aspects of Japanese pop culture.	Prerequisites
Fall 2020	M	Jpn	524	Contemporary Japanese Poetry and Pop Culture	4	An introduction to contemporary Japanese pop culture including free verse, traditional tanka, song lyrics, and comic books (manga). Students read verse in Japanese, analyze syntax, learn genre requirements, and understand the history of modern Japanese poetry and songs; students analyze sequential-art narratives to understand multiple aspects of Japanese pop culture.	Prerequisites
Fall 2020	D	Lat	331U	Early Medieval Civilization	4		
Fall 2020	D	Ling	100	Grammar/Writing Level I (Low Beginning)	3		
Fall 2020	D	Ling	103	Reading Level I (Low Beginning)	3		
Fall 2020	D	Ling	113	Reading Level E (High Beginning)	3		
Fall 2020	D	Ling	120	Grammar/Writing Level 2 (Low-Intermediate)	3		
Fall 2020	D	Ling	123	Reading Level 2 (Low-Intermediate)	3		

Fall 2020	D	Ling	130	Grammar/Writing Level 3 (Intermediate)	3	
Fall 2020	D	Ling	133	Reading Level 3 (Intermediate)	3	
Fall 2020	D	Ling	141	Grammar Level 4 (Upper-Intermediate)	3	
Fall 2020	N	Ling	171	Pathways Introduction Seminar	2	Supports students' personal growth and academic transition from ESL course work to university course work. Students learn about university resources, policies, procedures, and expectations governing their degree study. Students engage in individualized academic activities and planning by making informed decisions and creating a one-year academic plan.
Fall 2020	N	Ling	172	Pathways Intermediate Seminar	2	Supports students in level 5 IELP classes as they take their first academic courses at PSU. The course focuses on transferring academic skills used in language-learning classrooms to content-specific academic classrooms. The work that students are doing in their IELP and PSU courses are the basis of most classroom activities. Students evaluate and update their academic plans in

Fall 2020	N	Ling	173	Pathways Final Seminar	2	Concludes students' preparation for full-time academic study in their next term. The focus of this course is academic literacy and goal development. Students link academic course work, co-curricular and extra-curricular opportunities, and career development as part of independently directing	
Fall 2020	N	Ling	332U	"Do I talk wrong?" Language Myths in the USA	4	The nature of language and language myths to show how opinion and unexamined biases about language develop into language ideologies and, subsequently, shape	
Fall 2020	N	Ling	334U	"You have the right to remain silent." Language and the Law	4	Linguistic theory and practices used to provide evidence for the justice system.	
Fall 2020	N	Mgmt	310	Entrepreneurship for Sustainable Development	4	Examines the key concepts of environmental and social entrepreneurship with sustainable development goals (SDGs) as their guiding mission. We will use the SDGs as the foundational elements to consider how non-profits, social enterprises, and other companies attempt to address the goals through their various activities. Through these cases, we examine the assumptions behind economic growth, production and	

Fall 2020	N	Mgmt	432	Multifamily Property Management	4	Gives students an overview of multifamily property management, including operations, maintenance, management and leasing of various types of apartment communities. The course will cover fundamental components of the human resources function for apartment communities, an overview of accounting and budgeting skills needed to meet a property owners' goals, fair housing laws, key components of a maintenance plan, and fundamental marketing
Fall 2020	N	Mgmt	433	Commercial Property and Asset Management	4	Explores management of different classes of commercial real estate including office, retail, and industrial as well as management of a portfolio of real estate assets. Students will gain an understanding of the following areas of commercial property and asset management: financial/budgeting, facility, management, and legal. Discussions will cover leasing strategies and ways to enhance building value. Students will learn how to reposition an asset to increase its value and

Fall 2020	N	Mgmt	518	Digital Transformation of Business	4	In every industry, the adoption of digital technology is creating new opportunities and disrupting existing business models. This trend is compelling business leaders to examine how to re-invent their products, processes and strategies to stay competitive. Students will learn a systematic framework for assessing	
Fall 2020	N	Mgmt	519	Digital Transformation: Security, Privacy & Ethics	4	Students will learn about the technologies, frameworks, and guidelines necessary for effective implementation of digital transformation initiatives in any industry. Students will become familiar with various technologies required to digitally transform business functions and frameworks for managing cybersecurity and privacy. The course concludes with a review of ethics in the digital economy. Students will	
Fall 2020	N	Mgmt	520	Leading Organizational Change During Digital Transformation	4	Students will learn a flexible framework for understanding and leading organizational change during dynamic digital transformation initiatives, gaining insights into how to adapt this framework to their own unique work environments and career aspirations. This will lead to an increased ability to formulate strategic recommendations and propose alternative actions for designing digital transformation	
Fall 2020	D	MGrk	101	First-Year Modern Greek	4		

Fall 2020	D	MGrk	102	First-Year Modern Greek	4		
Fall 2020	D	MGrk	103	First-Year Modern Greek	4		
Fall 2020	D	MGrk	199	Special Studies	1-8		
Fall 2020	D	MGrk	201	Second-Year Modern Greek	4		
Fall 2020	D	MGrk	202	Second-Year Modern Greek	4		
Fall 2020	D	MGrk	203	Second-Year Modern Greek	4		
Fall 2020	D	MGrk	299	Special Studies	1-8		
Fall 2020	D	MGrk	301	Third-Year Modern Greek	4		
Fall 2020	D	MGrk	302	Third-Year Modern Greek	4		
Fall 2020	D	MGrk	303	Third-Year Modern Greek	4		
Fall 2020	D	MGrk	330U	Modern Greek Culture and Civilization	4		
Fall 2020	D	MGrk	361	Modern Greece Through Film	4		
Fall 2020	D	MGrk	399	Special Studies	1-8		
Fall 2020	M	MTax	540	Practicum/Int ernship	4	Tax internship or practicum in a public accounting firm or entity tax department; provides opportunity to apply program content to real- world environments, gain appreciation of work expectations and demands, and relate field experiences to master's	

Fall 2020	N	Mth	231	Data Science Seminar	2	Introduction to data science presented in the form of lectures by the instructor as well as guest lectures from local industry experts illustrating the potential of data science in terms of success stories in various application areas of science, engineering, medicine and finance. The presented examples will describe the kind of mathematical, statistical, and computer science skills needed for a data scientist to be successful in their future career. Prerequisite: Completion of Mth 111 with a grade of C- or above within the	
Fall 2020	D	Mth	301	Elements of Modern Mathematics I	4		
Fall 2020	D	Mth	302	Elements of Modern Mathematics II	4		
Fall 2020	D	Mth	303	Elements of Modern Mathematics III	4		
Fall 2020	N	Mth	371	Large-Scale Data Algorithms	4	Relations, graphs and sparse matrices as tools for representing large-scale data. Graph Laplacian and modularity matrices. Spectral clustering, weighted graph matching, and modularity optimization. Gradient descent methods accelerated by coarse models for solving	
Fall 2020	D	Mth	440	Boolean Algebra	4		

Fall 2020	N	Mth	464	Numerical Optimization I	3	<p>unconstrained optimization, necessary and sufficient conditions, overview of numerical algorithms, rate of convergence, line search and trust-region methods. Gradient descent, conjugate gradient, Newton and quasi-Newton methods, nonlinear least-squares problems, Gauss-Newton and Levenberg-Marquardt methods, practical applications. This is the first course in a sequence of two: Mth 464 and Mth 465. Expected preparation: knowledge of a high-level programming language such as MATLAB, Python, R, or</p>	
Fall 2020	N	Mth	465	Numerical Optimization II	3	<p>Theory of constrained optimization, equality and inequality constraints, Lagrange multipliers, Karush-Kuhn-Tucker (KKT) optimality conditions, penalty methods, quadratic and sequential quadratic programming, applications. This is the second course in a sequence of two: Mth 464/564 and Mth 465/565 which must be taken in</p>	
Fall 2020	D	Mth	480	Systems Analysis: Calculus of Variations	3		
Fall 2020	D	Mth	520	Introduction to Complexity Theory	3		
Fall 2020	D	Mth	540	Boolean Algebra	4		

Fall 2020	N	Mth	564	Numerical Optimization I	3	<p>unconstrained optimization, necessary and sufficient conditions, overview of numerical algorithms, rate of convergence, line search and trust-region methods. Gradient descent, conjugate gradient, Newton and quasi-Newton methods, nonlinear least-squares problems, Gauss-Newton and Levenberg-Marquardt methods, practical applications. This is the first course in a sequence of two: Mth 564 and Mth 565. Expected preparation: knowledge of a high-level programming language such as MATLAB, Python, R, or</p>	
Fall 2020	N	Mth	565	Numerical Optimization II	3	<p>Theory of constrained optimization, equality and inequality constraints, Lagrange multipliers, Karush-Kuhn-Tucker (KKT) optimality conditions, penalty methods, quadratic and sequential quadratic programming, applications. This is the second course in a sequence of two: Mth 464/564 and Mth 465/565 which must be taken in</p>	
Fall 2020	D	Mth	580	Systems Analysis: Calculus of Variations	3		

Fall 2020	M	Mus	476	Computer Music Composition	3	Introduces concepts, applications, and projects in sound synthesis, sampling, and digital signal processing. Students learn to create real time compositions using a graphical programming environment and studio pieces using various	Prerequisite
Fall 2020	N	Mus	514	Graduate Aural Skills Review I	1	Designed for graduate students who need to review basic aural skills. Sight singing, melodic and harmonic dictation, aural identification, and improvisation are integral elements of this study. Note: graduate review class credits cannot be	
Fall 2020	N	Mus	515	Graduate Aural Skills Review II	1	Designed for graduate students who need to review basic aural skills. Sight singing, melodic and harmonic dictation, aural identification, and improvisation are integral elements of this study. Note: graduate review class credits cannot be applied towards	
Fall 2020	N	Mus	516	Graduate Aural Skills Review III	1	Designed for graduate students who need to review basic aural skills. Sight singing, melodic and harmonic dictation, aural identification, and improvisation are integral elements of this study. Note: graduate review class credits cannot be applied towards	
Fall 2020	N	Mus	580	Body Mapping for Musicians: Anatomy, Physiology, Movement and Sensory Awareness	2	Provides musicians with anatomical information about the body in movement, which will assist the performer sing and sound a musical instrument without pain, tension, or injury. The curriculum will improve facility and expressiveness and once	

Fall 2020	N	NAS	351	Indigenous Philosophy	4	Surveys historical and contemporary indigenous philosophical writings on decolonization, epistemology, metaphysics, and ethics. The majority of the texts will be from authors such as Black Elk, Vine Deloria, Jr, and Leslie Marmon Silko, but sources from indigenous peoples across the globe should also be considered. Possible topics may include indigenous perspectives on sovereignty, proper human relationships with	
Fall 2020	M	PA	564	Environmental Policy and Administration	3	Explores governance of the environment at international, national, regional, and local scales. The course examines federal, state, local, and informal institutions active in addressing air and water pollution, hazardous wastes, toxics management, and the causes of climate change. The course explores different disciplinary approaches for examining environmental policy	Title changed from Current Issues in Environmental Policy and Administration, description
Fall 2020	M	Ph	214	Lab for Ph 201 or Ph 211 or Ph 221 or Ph 231	1	Introductory laboratory for students in General Physics (with Calculus). This is the first lab in a sequence of three: Ph 214, Ph 215, and Ph 216. One 3-hour laboratory period. Prerequisite:	Title changed from Lab for Ph 201 or Ph 211 or Ph 221, description, prerequisites
Fall 2020	M	Ph	215	Lab for Ph 202 or Ph 212 or Ph 222 or Ph 232	1	Introductory laboratory for students in General Physics (with Calculus). This is the second lab in a sequence of three: Ph 214, Ph 215, and Ph 216. One 3-hour laboratory period. Prerequisite:	Title changed from Lab for Ph 202 or Ph 212 or Ph 222, description, prerequisites

Fall 2020	M	Ph	216	Lab for Ph 203 or Ph 213 or Ph 223 or Ph 233	1	Introductory laboratory for students in General Physics (with Calculus). This is the third lab in a sequence of three: Ph 214, Ph 215, and Ph 216. One 3-hour laboratory period. Prerequisite:	Title changed from Lab for Ph 203 or Ph 213 or Ph 223, description, prerequisites
Fall 2020	M	Ph	231	General Physics I with Life Science and Medical Applications	4	This is a general physics course with a focus on life science and medical applications. In Ph 231 students explore mechanics. This is the first course in a sequence of three: Ph 231, Ph 232, and Ph 233 and it is recommended they be taken in this	Description and corequisite
Fall 2020	M	Ph	232	General Physics II with Life Science and Medical Applications	4	This is a general physics course with a focus on life science and medical applications. In Ph 232 students explore fluids and electromagnetism. This is the second course in a sequence of three: Ph 231, Ph 232, and Ph 233 and it is recommended they be taken in this order.	Corequisite
Fall 2020	M	Ph	233	General Physics III with Life Science and Medical Applications	4	This is a general physics course with a focus on life science and medical applications. In Ph 233 students explore thermodynamics, waves and optics. This is the third course in a sequence of three: Ph 231, Ph 232, and Ph 233 and it is recommended they be taken in this	Description and corequisite

Fall 2020	N	PHE	323	Intro to Fat Studies	4	This course will use a social justice and critical pedagogy approach to examine the impacts of weight bias (sizeism) on individuals and society. We will center the voices and experiences of those living in larger bodies and use an intersectional lens to analyze how we can effectively impact social determinants of health and well-being. Current innovative challenges to the weight bias paradigm	
Fall 2020	N	PHE	454	Maternal & Child Health	4	This course uses a discussion-based format to address maternal and child health as a public health issue. The course will emphasize the importance of the social, political, and economic contexts for maternal and child health. Ultimately, students in this course will be exposed to the major health issues facing mothers and children today and understand how politics and social norms affect	
Fall 2020	M	PHE	524	Social Epidemiology Methods & Theory	3		Course number changed to PHE 534. See notes for PHE 534.
Fall 2020	N	PHE	532	Developmental Origins of Health and Disease (DOHaD) - Epidemiology	3	Covers the history of the Developmental Origins of Health and Disease (DOHaD) framework, the trends that drive and result from DOHaD processes. It will explain epigenetics and other mechanisms which through priming influence	

Fall 2020	M	PHE	534	Social Epidemiology Methods & Theory	3	Surveys social epidemiology practice including measurement, study design, analysis and translation for researching behavioral, social, economic, and cultural determinants of population distributions of health outcomes. The course emphasizes the application of social epidemiology methods	
Fall 2020	N	PHE	554	Maternal & Child Health	4	This course uses a discussion-based format to address maternal and child health as a public health issue. The course will emphasize the importance of the social, political, and economic contexts for maternal and child health. Ultimately, students in this course will be exposed to the major health issues facing mothers and children today and understand how politics	
Fall 2020	N	PHE	619	Mentored Teaching Experience	4	Each student will be paired with a Community Health faculty member to shadow one term of teaching of either an UG or an MPH level	
Fall 2020	M	PHE	624	From Philosophy through Power Calculations: Writing Methods Sections for Research Proposals	3	Approaches to community health research are explored, including the scientific method, ethics in research, theories, conceptual models and hypothesis generation, causal inference, the elements of research design, measurement (reliability, validity),	Title changed from Doctoral Research Methods in Community Health I

Fall 2020	M	PHE	625	Advanced Methods Toolkit: Design, Sampling, Scale Development, & More	3	A course in applied, non-experimental research designs used in epidemiological research. Emphasis in this course is on quasi-experimental designs, program evaluation, sampling methods, longitudinal designs, and secondary data sources. Students will learn about research	Title changed from Doctoral Research Methods in Community Health; change description and prerequisites
Fall 2020	N	PHE	632	Developmental Origins of Health and Disease (DOHaD) - Epidemiology	3	Covers the history of the Developmental Origins of Health and Disease (DOHaD) framework, the trends that drive and result from DOHaD processes. It will explain epigenetics and other mechanisms which through priming influence	
Fall 2020	N	PHE	634	Social Epidemiology Methods & Theory	3	Surveys social epidemiology practice including measurement, study design, analysis and translation for researching behavioral, social, economic, and cultural determinants of population distributions of health outcomes. The course emphasizes the application of social epidemiology methods	
Fall 2020	M	Phl	312U	Feminist Philosophy	4	Critically examines traditional schools of philosophical thinking	Description and prerequisites
Fall 2020	M	Phl	319U	Introduction to Asian Philosophy	4	A study of different systems of eastern philosophy through the main classical texts drawn from Hinduism, Buddhism, Taoism, and Confucianism. Topics include: the nature of	Description
Fall 2020	N	Phl	336	Ancient Political Philosophy	4	A study of central philosophical themes (justice, power, citizenship, etc.) across major figures in ancient	

Fall 2020	N	Phil	373	Queer Philosophy	4	The aim of this course is to illuminate the theoretical underpinnings and the radical epistemological, social, and political possibilities that are afforded by queer philosophy/theory. Queer Philosophy problematizes and challenges rigid identity categories, norms of sexuality and gender and the oppression and violence that such norms justify. This course will interrogate the metaphysical, epistemological, phenomenological,
Fall 2020	N	Phil	379	Feminist Care Ethics	4	Provides a comprehensive introduction to care ethics from its origins in feminist theory to its present multidisciplinary and international manifestations. The implications of care ethics for ontology, epistemology, aesthetics, identity, performativity and moral theory are addressed. Care ethics is differentiated from mainstream ethical theories. Care theory is applied to a variety of academic and professional disciplines

Fall 2020	N	Phl	380	Philosophical Writing	4	Philosophical Writing is a "writing in the genre" course for philosophy majors. It teaches strategies for the major types of philosophical writing, including summaries, blog posts, abstracts, argumentative essays, and research papers. Students may also study essays, dialogues, and short stories to explore the diverse ways in which people have
Fall 2020	N	PS	310	How to Win a U.S. Political Campaign	4	Close examination of major aspects of a modern political campaign in the United States. The course takes a pragmatic, skills-based approach aimed at preparing students for high-level, meaningful work on a local, state, or national campaign for both candidates and ballot measures. Topics include: campaign organization and
Fall 2020	N	PS	381	Women's Leadership	4	Provides an overview of scholarly theories on why/when/how women lead in politics, business, and law, utilizing a comparative perspective as well as an intersectional lens. In addition, this course includes a significant skill-building element in which
Fall 2020	N	PS	411	Advanced Overview of Political Science	4	An advanced overview of the four established fields of research in political science: American, Comparative, International Relations, and Political Theory, and faculty sub-areas of expertise. Also offered for graduate-level credit as PS 511 and may be

Fall 2020	N	PS	491	Testing Theories in Political Science	4	Survey of the most common methods used to evaluate empirical questions in political science research and assess the adequacy of theories. The course prepares students to interpret, critique, design, and conduct social scientific analysis. It examines both qualitative and quantitative methodologies, including case study, content analysis, interviewing, surveys, participant observation, field experiments, and statistical analysis. Also	
Fall 2020	N	PS	511	Advanced Overview of Political Science	4	An advanced overview of the four established fields of research in political science: American, Comparative, International Relations, and Political Theory, and faculty sub-areas of expertise. Also offered for undergraduate-level	
Fall 2020	N	PS	588	Political Scientist Professionalization	2	This is a skill-building course that focuses on developing two sets of practical skills that all future political scientists working in academia will need: first, the skills necessary to create a top-quality application package that will get students into top-ranked Political Science PhD programs, and second,	

Fall 2020	N	PS	589	How to Teach and Present Social Science Research	2	Focuses on the skills necessary for designing and teaching a political science course and delivering effective research presentations at conferences. Students will spend the first half of the course on teaching skills and the second half on building and workshopping presentations, emphasizing skills such as public speaking,
Fall 2020	N	PS	590	Introduction to Graduate School: Skills for Scholarly Success	1	Welcomes students to the graduate environment and culture of academia. Designed for the first quarter of graduate study, this course focuses on developing essential skills for success in graduate level education, such as: how to read academic literature, note-taking and seminar norms, and understanding the prospectus requirement.
Fall 2020	N	PS	591	Testing Theories in Political Science	4	Survey of the most common methods used to evaluate empirical questions in political science research and assess the adequacy of theories. The course prepares students to interpret, critique, design, and conduct social scientific analysis. It examines both qualitative and quantitative methodologies, including case study, content analysis, interviewing, surveys, participant observation, field experiments, and statistical analysis. PS 591 is required for

Fall 2020	N	Psy	320	Social Science Research Methods II	4	Introduction and application of statistical modeling to psychological data. Guidance and practice in the interpretation and reporting of common statistical tests and software use. Topics include descriptive statistics, comparisons of means among groups, relations among variables, statistical	
Fall 2020	N	Psy	450	Psychopharmacology	4	How do drugs affect us? Discover the structure and function of the nervous system, techniques used to study drug actions and effects, and the specific molecular and behavioral influence of alcohol and other drugs, including	
Fall 2020	N	Psy	452	Advanced Neurophysiological Psychology	4	Explore current federally funded topics in neurophysiology, acquire skill in reading and presenting original research, visit the Oregon National Primate Research Center and learn alongside area	
Fall 2020	N	Psy	469	Psychology of Human Sexuality	4	Explores questions relating to sexuality, with a particular emphasis on the psychological aspects of sex. We will discuss gender roles, gender identity, sexual orientation, relationships, sexual aggression, pornography, contraception, pregnancy, abortion, sexuality across the lifespan, and cultural influences that impact decisions we make about	

Fall 2020	N	Psy	470	Diversity in the Workplace	4	Explores human diversity in workplace contexts, with an emphasis on the psychological aspects of diversity and management. We will first cover the psychology of diversity and inclusion and proceed to cover the perspectives of several different employee groups. We will also discover relevant theoretical and practical considerations concerning strategies for	
Fall 2020	M	RE	439	Real Estate Valuation I	4		Changed prefix to Fin 439
Fall 2020	N	RE	532	Multifamily Property Management	4	Gives students an overview of multifamily property management, including operations, maintenance, management and leasing of various types of apartment communities. The course will cover fundamental components of the human resources function for apartment communities, an overview of accounting and budgeting skills needed to meet a property owners' goals, fair housing laws, key components of a maintenance plan, and	

Fall 2020	N	RE	533	Commercial Property and Asset Management	4	Explores management of different classes of commercial real estate including office, retail, and industrial as well as management of a portfolio of real estate assets. Students will gain an understanding of the following areas of commercial property and asset management: financial/budgeting, facility, management, and legal. Discussions will cover leasing strategies and ways to enhance building value. Students will learn how to reposition an asset to increase its value and	
Fall 2020	M	READ	519	Linguistics, Phonics, and Word-Level Reading Difficulties	3	Addresses phonetics, phonological awareness, phonics, word identification, and spelling. Explores developmental trajectories, instructional strategies, and assessment tools through culturally responsive and culturally sustaining pedagogical lenses. Includes characteristics associated with dyslexia, tools used to screen for such characteristics, instructional strategies designed to benefit students with these	Title changed from Language Study for Teachers, K-12; change course description
Fall 2020	M	READ	522	Literacy Foundations	3	Focuses on the foundational areas of psychology, history, theory, and research, and familiarizes teachers and reading specialists with varied ideas about how reading and writing work and how they are learned, through the	Prefix changed from CI 522 and credits reduced from 4 to 3 credits

Fall 2020	M	READ	527	Literature in Classrooms K-12	3	This course focuses on the exploration of literature for students in grades K-12, and the application of literature in the classroom. Emphasis is on selection and evaluation of books, children's reading interests, classroom applications and school	Prefix changed from CI 527. title changed from Literature in Classrooms K-8. course description changed.
Fall 2020	M	READ	532	Writing Program Design and Implementation in K-12 Classrooms	3	This course explores the design and implementation of writing curricula in both literacy and content-based classrooms. The course provides a comprehensive approach to the development of a writing classroom, including the designing writing strategies and assessment. In addition, the course explores the roles of inquiry, inclusion, and collaboration in the teaching of writing. The	Title changed from Writing across the Curriculum, Grades 4-12; course description updated
Fall 2020	M	READ	534	Literacy Assessment	3	Examines purposes for and types of literacy assessment; how culture and language intersect with assessment. Addresses selection of specific assessments to guide instruction, using assessments to inform various stakeholders, evaluation of validity and reliability, assessment bias, stereotype threat, advocating for equity and asset-based practices with colleagues, schoolwide assessment plans, and analysis of current practices. Field-	Title changed from Classroom Reading and Writing Assessment; change course description

Fall 2020	N	READ	544	Comprehension, Text Structure, and Vocabulary	3	Addresses learning, teaching, and assessing reading comprehension and vocabulary. Emphasis on culturally responsive and culturally sustaining instruction, students who are emergent multilinguals, and students experiencing difficulty with comprehension or vocabulary. Topics include developmental trajectories, morphology, historical instructional approaches, strategic reading, cultural variations in text structure, curricular	
Fall 2020	M	Sci	334U	Climate Variability and Change	4	Provides an understanding of how and why climate varies and changes over space and time. Climate variability is explored across a range of scales from ice ages to monsoon circulations. Examines the scientific basis for anthropogenic climate change and how it differs from natural climate variability. Students will learn by analyzing climate data, performing experiments with climate models, and	Title changed from Climate Variability; change description
Fall 2020	M	Sci	365U	The Science of Gendered Bodies	4	The scientific gendering of the human body is studied from an interdisciplinary and intersectional queer and feminist perspective integrating biology, health and medicine with current and historical social, cultural and	Title changed from The Science of Women's Bodies; change description

Fall 2020	M	SpHr	540	Multicultural Topics in Communication Disorders	2	Introduces topics of communication disorders within the framework of culture and identity. Explores cultural attitudes and beliefs about communication and disabilities, cultural differences and cultural	Change description, change credit hours from 4 credits to 2 credits
Fall 2020	N	Stat	361	Introduction to Statistical Methods	4	Calculus-based introductory statistics course. Introduction to probability concepts (random variables, probability distributions, expectation, variance, covariance) and statistical concepts (fundamental sampling distributions and data	
Fall 2020	N	Stat	363	Statistical Computing and Data Visualization	4	Provides an introductory survey of methods in R, RStudio and R Markdown to process, manipulate, analyze, and visualize data; as well as to generate reproducible reports from a data driven analysis. Expected preparation: Prior programming experience is helpful but not required. We will be	
Fall 2020	N	Stat	364	Modern Regression Analysis	4	Foundations of statistical regression modeling and applications. Focus on application of statistical models. Topics include linear regression, multiple linear regression, model diagnosis, model selection and validation,	
Fall 2020	N	Stat	387	Introduction to Statistical Learning	4	Provides an introduction to the techniques of statistical learning, including assessing model accuracy, linear regression in high dimension, binary and multi-ary classification, re-sampling methods, tree-	

Fall 2020	M	Stat	580	Nonparametric Methods	3	Focus on standard nonparametric methods useful for the analysis of experimental data with minimal model assumptions. Topics include one and two-sample problems, one and two-way analysis of variance, multiple comparisons, rank correlation, estimation and confidence intervals, theory of U-statistics,	Prerequisites
Fall 2020	M	SW	351	Social Work Practice I	4	This is the first course in a four-course sequence, Social Work Practice I-IV, which prepares students to work with individuals, families, groups, and communities. Successful completion of this course is required for students to enter a field placement in	Change title from Beginning Generalist Practice; change description
Fall 2020	M	SW	400	Field Placement and Seminar I-III	4	This course is the 9-month agency-based field placement and concurrent field seminar where students apply generalist social work knowledge, values, and develop generalist social work skills. The supervised field placement and weekly field seminar facilitate a student's application of social work practice skills, the integration of theoretical content and the development of critical thinking skills. This course is a core component of the BSW	Description

Fall 2020	N	SW	416	Motivational Interviewing	4	Hands on practice intensive course teaches the central theoretical and empirical tenets of Motivational Interviewing (MI), as well as the clinical skills necessary to deliver the intervention to a wide range of clients in diverse settings. Students will learn and practice both the spirit and techniques of	
Fall 2020	M	SW	430	Social Work Practice II	3	This is the second course in a four-course sequence, Social Work Practice I-IV, which prepares students to work with individuals, families, groups, and communities. BSW students take this sequence concurrently with their field placement.	Title changed from Generalist Practice with Group; change description
Fall 2020	M	SW	432	Social Work Practice IV	3	This is the fourth course in a four-course sequence, Social Work Practice I-IV, which prepares students to work with individuals, families, groups, and communities. Corequisite: SW 400. BSW students take this	Title changed from Generalist Practice with Communities and Organizations; change description
Fall 2020	D	SW	460	Senior Integrative Portfolio	3		
Fall 2020	M	SW	539	Social Justice in Social Work	3	Examines epistemological and theoretical approaches to understanding social justice and equity as they relate to social exclusion,	Description

Summer 2	M	SW	553	Research for Racial Justice	3	Reduce racial inequities in organizations requires gaining theory and practice skills. This course provides both, integrating heightened attention to policy, research and intervention approaches to reduce racial disparities in a wide array of human service systems. The course focuses on building	Title changed from Racial Disparities
Fall 2020	M	SW	570	Brief Behavioral Interventions & Treatment	3	Prepares students to practice brief interventions with clients and families. They will develop skills in case conceptualization, assessment, intervention, and treatment planning using advanced therapeutic techniques and methods including solution-focused, cognitive-behavioral, and mindfulness with special focus on crisis	Prerequisites
Fall 2020	M	UnSt	170	Multilingual FRINQ/SINQ Lab	1-2	Multilingual resident and international FRINQ/SINQ students collaborate to further develop skills and strategies for academic success. Course content includes targeted instruction in reading, writing, presentation, and class participation skills and is responsive to self-reported student needs. Instructors utilize	Title changed from Multilingual FRINQ lab, description updated, credit hours changed from 2 credits to 1-2 credits
Fall 2020	N	USP	530	Building Community Resilience	4	Introduction to resilience theory, concepts, and applications in a hazards planning and disaster management. Surveys sociological, public administration, and planning theory literature to understand risk, resilience, and methods to address these at the community level. This is	

Fall 2020	N	USP	560	Climate Resiliency Planning	3	Aims to examine the response of society to a changing climate, with an emphasis on the practices, processes, and programs that can improve the resiliency of communities to climate-induced impacts. We will investigate what it means to be “resilient”, exploring principles from planning, sociology, engineering, environmental studies, and disaster studies, and other related fields. We will also pay special attention to the interplay between social inequality, poverty, social exclusion
Fall 2020	N	WLL	371	Global Citizenship in Professional Contexts	4	Designed for students who are interested in developing a better understanding of today's global issues and ascertaining possible strategies to be functional in a global setting. Through hands-on projects, students will develop strategies to help them break down cultural barriers, challenge
Fall 2020	N	WLL	380	Introduction to Comparative Literary and Cultural Studies	4	By learning the theory of comparative literary and cultural studies, students in this introductory course will become informed, critical and responsive participants in global communities. As an introduction to the major questions and debates that have marked the evolution of comparative studies in a curriculum that is increasingly focused on the history, nature, and effects of globalization, this course explores foundational ideas of how texts and intellectual practice

Fall 2020	N	WLL	381	Topics in Translation Studies	4	Students will develop analytical frameworks to understand translation and its implications for textual interpretation. Students work with case studies that highlight the role of translation throughout history; they also examine how methods from Translation Studies enrich the study of literary and non-literary texts alike. Those with second-language	
Fall 2020	N	WLL	383U	Topics in Comparative Literature, Film and Comics	4	Students learn how to compare literary, film, or comic-book genres across two or more world cultures; readings (viewings) of texts/films are followed by discussion of cultural differences. Students also learn how to discuss genre differences and how cultural attitudes shape those different artistic responses and appropriations of global artistic ideas. Analysis of critical texts reveal how cultural attitudes create	
Fall 2020	M	Wr	115	Introduction to College Writing	4	Study and practice of college-level writing and reading, with focus on developing strategies for academic writing. Designed for students	Description, repeatability, and grading option
Fall 2020	M	Wr	121	College Writing	4	Study and practice of critical writing, with focus on analyzing and adapting to different contexts. Designed as a	Description, repeatability, and grading option
Fall 2020	M	Wr	200	Writing About Literature	4	Introduction to various approaches to writing about literature, with focus on explication,	Description, repeatability, and grading option
Fall 2020	M	Wr	210	Grammar Refresher	2	Practical review of Standard Academic English, including parts of speech, sentence construction, and	Description, repeatability, and grading option

Fall 2020	M	Wr	211	Writing Practice	4	Pursuit of advanced writing projects, with focus on writing processes, editorial	Description, repeatability, and grading option
Fall 2020	M	Wr	222	Writing Research Papers	4	Introduction to academic inquiry, with focus on evaluating and engaging with secondary research and on conventions for	Description, repeatability, and grading option
Fall 2020	M	Wr	300	Topics in Rhetoric and Composition	4	Study and practice of writing in different rhetorical contexts, with focus on critical analysis, generic conventions, and writing processes. Course may be repeated for credit with different topics. Up to 8 credits of	Title changed from Topics in Composition, change description, repeatability, and grading option
Fall 2020	M	Wr	323	Writing as Critical Inquiry	4	Study and practice of writing and research in various contexts, with focus on pursuing critical questions and crafting	Description, repeatability, and grading option
Fall 2020	M	Wr	333	Advanced Essay Writing	4	Study and practice of the essay genre across creative and critical contexts.	Title changed from Advanced Composition, change description, repeatability, and grading option
Fall 2020	M	Wr	394	Careers for English Majors	4	Exploration of potential career paths for English majors, including (but not limited to) writing, editing, and teaching in various contexts. Students will participate in professional development activities	Title changed from Writing Careers for English Majors, changedescription, repeatability, and grading option
Fall 2020	M	Wr	398	Topics: Writing Comics	4	Study and practice of creating comics and graphic narratives in a variety of genres, with a focus on form and process. Course may be repeated for credit with different topics. Up to 8	Title changed from Writing Comics, change description, repeatability, and grading option

Fall 2020	M	Wr	400	Advanced Topics in Composition	4	Advanced study of writing theory and practice, with focus on rhetoric, genre, and process. Course may be repeated for credit with different topics for up to 8 credits. Up to 8 credits of this course number can be applied to the English major. Also offered for graduate-level	Description, repeatability, and grading option
Fall 2020	M	Wr	420	Writing Studio	4	Pursuit of advanced writing projects, with focus on process, response, reflection, and revision. Course may be repeated for credit with different topics. Up to 8 credits of this course number can be applied to the English major. Also	Title changed from Writing: Process and Response, description, grading option
Fall 2020	M	Wr	435	Grammar for Writers	4	Study and practice of contemporary English grammar and usage, with focus on the relationship between stylistic choices and their rhetorical effects. Also offered for graduate-level credit as Wr 535 and may be taken only once for	Description, repeatability, and grading option
Fall 2020	M	Wr	460	Introduction to Book Publishing	4	Provides a detailed overview of the publishing process, organized around the division of labor, including introductions to contemporary American publishing, issues of intellectual commerce, copyright law, publishing contracts, book editing, book design and production, book marketing and distribution, and bookselling. Based on work in mock publishing companies, students prepare portfolios of written documents, i.e., book proposals, editorial guidelines, design and production standards, and marketing plans.	Prerequisites

Fall 2020	M	Wr	461	Book Editing	4	Provides a comprehensive course in professional book editing, including editorial management, acquisitions editing, substantive/developmental editing, and copyediting. Issues specific to both fiction and nonfiction books will be covered. Also offered	Prerequisites
Fall 2020	M	Wr	462	Book Design Software	4	Comprehensive course in professional book design and production. Issues specific to the design of fiction and nonfiction books in a variety of genres and markets will be covered, including the applications of both old and new technologies in design and production. Also offered for graduate-level credit as Wr 562	Prerequisites
Fall 2020	M	Wr	463	Book Marketing	4	Comprehensive course in professional book marketing. Issues specific to the marketing of fiction/ nonfiction books in variety of genres and markets will be covered. Students will do market research, produce marketing plans, write press releases, write advertising copy, and develop related marketing materials. Also	Prerequisites
Fall 2020	M	Wr	465	Intellectual Property and Copyright	4	Outlines opportunities and pitfalls faced by writer (editor, graphic designer, artist) in legal and ethical spheres. Copyright law, U.S. First Amendment law, defamation, right of privacy, trademark, trade secret law. Discusses the importance of the Internet in rethinking copyright and intellectual property rules. Also offered for graduate-level	Prerequisites

Fall 2020	M	Wr	475	Publishing Lab	1	Perform the work of a real publishing house, from acquiring manuscripts to selling books. Gain publishing experience by participating in the various departments of a student-staffed publishing house, Ooligan Press. Departments include Acquisitions, Editorial, Design, Marketing and Sales, Digital, and Social	Prerequisites
Fall 2020	M	Wr	477	Children's Book Publishing	4	Study the techniques commonly used by writers and publishers of children's literature. Also offered for graduate-level credit as Wr 577 and may be taken only once	Prerequisites
Fall 2020	M	Wr	500	Advanced Topics in Composition	4	Advanced study of writing theory and practice, with focus on rhetoric, genre, and process. Course may be repeated for credit with different topics for up to 8 credits. Also offered for undergraduate	Description, repeatability, and grading option
Fall 2020	M	Wr	520	Writing Studio	4	Pursuit of advanced writing projects, with focus on process, response, reflection, and revision. Course may be repeated for credit with different topics. Also	Title changed from Writing: Process and Response, description, grading option
Fall 2020	M	Wr	535	Grammar for Writers	4	Study and practice of contemporary English grammar and usage, with focus on the relationship between stylistic choices and their rhetorical effects. Also offered for undergraduate-level credit as Wr 435 and may be taken only once	Description and grading option.

Fall 2020	M	WS	101	Introduction to Women's Studies	4	An overview of a range of topics from both a contemporary and historic feminist lens. Emphasizes an intersectional critical analysis of how various issues impact individuals and communities. Comprehensive introduction to feminist perspectives, expanding students' awareness of	Description
Fall 2020	M	WS	301	Gender and Critical Inquiry	4	Engages students with a range of feminist theoretical perspectives that conceptualize gender and the intersectional factors (such as race, sexuality, indigeneity, class, ability) implicated in it. Addresses feminist knowledge production, agency, and power relations. Emphasis on the development of close	Description and prerequisites
Fall 2020	M	WS	305	Women of Color Feminist Theory	4	Examines the development and foundational approaches of women of color feminist theories, including scholarship and activism, through an intersectional lens in both national and	Description and prerequisites
Fall 2020	M	WS	307	Resistance, Activism, and Social Change	4	Focuses on activism of self-identified feminists as they resist and transform oppression. Emphasizes queer and feminist activism allied with other social movements. Examines activists' strategies, tactics, organizations, goals, accomplishments, and unmet challenges. Topics may include reproductive justice, labor organizing, queer political movements,	Title changed from Women, Activism and Social Change, description and prerequisites

Fall 2020	M	WS	315	Feminist Analysis	4	An advanced feminist theory course exploring a range of theoretical frameworks and research strategies utilized in contemporary feminist scholarship, including debates within feminism. Draws on approaches from several disciplines to define key features of feminist analysis, apply feminist theoretical approaches to current issues, and build a	Description
Fall 2020	M	WS	365U	The Science of Gendered Bodies	4	The scientific gendering of the human body is studied from an interdisciplinary and intersectional queer and feminist perspective integrating biology, health and medicine with current and historical social, cultural and	Title changed from The Science of Women's Bodies; change description
Fall 2020	N	WS	373	Queer Philosophy	4	The aim of this course is to illuminate the theoretical underpinnings and the radical epistemological, social, and political possibilities that are afforded by queer philosophy/theory. Queer Philosophy problematizes and challenges rigid identity categories, norms of sexuality and gender and the oppression and violence that such norms justify. This course will interrogate the metaphysical, epistemological, phenomenological,	

Fall 2020	N	WS	379	Feminist Care Ethics	4	Provides a comprehensive introduction to care ethics from its origins in feminist theory to its present multidisciplinary and international manifestations. The implications of care ethics for ontology, epistemology, aesthetics, identity, performativity and moral theory are addressed. Care ethics is differentiated from mainstream ethical theories. Care theory is applied to a variety of academic and professional disciplines	
Fall 2020	M	WS	411	Experiential Learning Seminar	2	Required during the first term of WS 409 practicum. Serves as a learning community for students to present and reflect on their community-based practicum experiences. Participants critically assess the contexts in which they are operating and analyze the relationship between	Description and prerequisites
Fall 2020	M	WS	412	Feminist Methodologies	4	Introduces a range of feminist research methodologies, emphasizing interconnections among race, gender, sexuality, class, disability and other aspects of difference. Assesses knowledge-generating strategies in terms of their suitability for feminist research and addressing power relations. Development of critical awareness in doing self-directed feminist, queer, decolonial and critical	Description

Fall 2020	M	WS	415	Senior Seminar	4	Focuses on developing and completing an independent project using feminist and/or queer theories and methodologies. Structured workshop format where students will be guided through their project with peer and instructor feedback.	Description
Fall 2020	M	WS	471	Transnational Feminisms	4	Themes and theoretical principles of transnational feminisms, with special emphasis placed on Third World feminist movements. Themes explored include colonialism, globalization, nationalism and nation-building, representation, global economies, and the politics of race, gender, class, sexuality, and nation. Also offered for graduate-level credit	Title changed from Global Feminisms. description changed
Fall 2020	M	WS	512	Feminist Methodologies	4	Introduces a range of feminist research methodologies, emphasizing interconnections among race, gender, sexuality, class, disability and other aspects of difference. Assesses knowledge-generating strategies in terms of their suitability for feminist research and addressing power relations. Development of critical awareness in doing self-directed feminist, queer,	Description

Fall 2020	M	WS	571	Transnational Feminisms	4	Themes and theoretical principles of transnational feminisms, with special emphasis placed on Third World feminist movements. Themes explored include colonialism, globalization, nationalism and nation-building, representation, global economies, and the politics of race, gender, class, sexuality, and nation. Also offered for undergraduate-level	Title changed from Global Feminisms. description changed
-----------	---	----	-----	----------------------------	---	---	--