

2021

Curriculum Change 2021-2022

Portland State University

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PSU Curricular Changes - Effective for AY 2021-22

This list submitted to OACRADO on: 8/16/2021

PSU Curricular Change Cycle: Annual

PSU annual submission date: July of each year

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Effective Term	New (N) Modified (M) Deleted (D)	Prefix	Course#	Course Title	Credits	Course Description	Type of Change (for modified classes only)
Fall 2021	M	Anth	101	Introduction to Biological Anthropology	4	The biological side of anthropology: human biology, primatology, and paleoanthropology. Micro- and macro evolution and their contribution to modern human variation; adaptation and evolutionary relationships among humans, primates, and our fossil ancestors; the fallacy of the race concept. Bio-cultural evolution among humans.	Description
Fall 2021	M	Anth	301	The Politics of Ethnographic Writing	4	How do anthropologists write about 'the other'? Critical reading of ethnographic writing explores the power dynamics at play in research methodology and anthropological writing. Topics may include, but will not be limited to, decolonizing anthropology, the politics of ethnographic representation, identity formation, gender, sexuality, race, political economy, and transnational culture flows.	Title changed from Culture and Ethnography and description changed
Fall 2021	M	Anth	304	Social Theory	4	Examines power relations in social organization from the family to the global economy. Topics include political processes, exploitation, identity, agency, social change, and globalization, with an emphasis on understanding contemporary social issues in cross-cultural perspective through critical, feminist, interpretative and political economic theoretical frameworks. Designed for anthropology majors and minors. Expected preparation: Anth 103.	Description
Fall 2021	M	Anth	305	Culture and Power	4	Explores the historical development of the concept of culture within anthropology. Examines how the culture concept and the theories based on it both challenge and reproduce existing power relations. Topics include: structural racism, violence and policing, globalization, inequality, religion, technology. Designed for anthropology majors and minors. Note: This course is not approved for distribution credits. Expected preparation: Anth 103.	Title changed from Cultural Theory and description changed
Fall 2021	M	Anth	320	Indigenous Peoples of the Pacific Northwest Coast	4	Indigenous peoples of the Pacific Northwest coast of North America include some of the most affluent, diverse, and complex peoples in the world. This course examines the unity and diversity of these cultures from Alaska to the Oregon-California border by tracing their historical evolution and responses to contemporary problems. Topics include: subsistence economies and resource tenure, social and political identity, art, ceremonial and spiritual life, culture change, persistence, and revitalization, and modern Indigenous-state relations.	Title changed from Native Americans of the Northwest Coast and description changed
Fall 2021	M	Anth	335	Anthropology of Space and Place	4	Space and place are foundational to human cognition, emotion, and experience, and yet we often take them for granted. This course examines the origins, development and contemporary variation of human senses of space, place, and environment in a variety of cultural settings around the world.	Description
Fall 2021	N	Anth	340	Design, Politics and Society	4	Anthropological approaches to design aesthetics, politics, expertise and innovation. Focuses on how design is located in forms of power, inequality and exclusion. Addresses how "anthropological ways of knowing" and ethnographic research methods can benefit design practice. Critically explores the fields of design thinking and humanitarian design as well as efforts to use design for social justice.	Description
Fall 2021	M	Anth	350	Archaeological Method and Theory	4	A survey of current techniques, and theories applied in the discovery and analysis of archaeological materials. Learn and practice archaeological research design, interdisciplinary skills, field survey, excavation, dating, and other analytical techniques. Four hours of lecture and 1 hour lab (co-requisite Anth 350L) each week. Expected preparation: Anth 102. Corequisite: Anth 350L.	Description and corequisite
Fall 2021	M	Anth	370	Paleoanthropology	5	Ape and human (i.e., hominoid) evolution from the Miocene through the Pleistocene with focus on the fossil record. Emphasis on methods used to reconstruct the past, including integration of knowledge from geology and paleoecology, functional and comparative anatomy, phylogenetics, and prehistoric archaeology. Lectures and one biweekly laboratory. Expected preparation: Anth 101.	Description
Fall 2021	M	Anth	372	Human Variation	4	Mechanisms producing biological variation at genetic and genomic levels in contemporary human populations. Significance of geographic patterns for reconstructing prehistoric dispersals and settlement of the earth, beginning with our origins on the African continent. Integration of evolutionary genetics with biogeographic, environmental, fossil, archaeological, and linguistic evidence bearing on human prehistory. Expected preparation: Anth 101.	Title changed from Human Variability and description changed
Fall 2021	M	Anth	373	Primate Ecology and Behavior	4	Origins, diversity, ecology, behavior, and conservation of living non-human primates. Primate ecology and behavior are explored from a comparative and evolutionary perspective. Emphasis on primates in natural habitats rather than in captive settings, spanning lemurs, lorises, tarsiers, monkeys and apes. Expected preparation: Anth 101.	Description
Fall 2021	M	Anth	412	Ethnographic Methods	4	Practical coursework and community-based experience in research design and qualitative methodology. Students conceptualize and implement research projects, gather and analyze data, and write a proposal for hypothetical future research. Essential training for basic ethnographic research and applied projects. Also offered for graduate-level credit as Anth 512 and may be taken only once for credit. Prerequisite: Upper division standing.	Title changed from Research Methods in Social and Cultural Anthropology and description and prerequisites changed
Fall 2021	M	Anth	414	Culture and Ecology	4	A critical analysis of the interrelations of culture, social structure, and human ecology. Social organization as influenced by characteristic patterns of resource exploitation. The uses of natural environment from the viewpoint of the members of societies. Also offered for graduate-level credit as Anth 514 and may be taken only once for credit. Prerequisite: Upper division standing.	Description and prerequisite
Fall 2021	M	Anth	416	Urban Anthropology	4	Global examination of urban phenomena including: spatial design of urban built environments, the production of locality, urban political activism, ideas of cosmopolitanism, racial segregation, violence, migration, informal economies, subcultures, and new technologies that impact social relations in cities across the world. Also offered for graduate-level credit as Anth 516 and may be taken only once for credit. Prerequisite: Upper division standing.	Description and prerequisite
Fall 2021	M	Anth	417	Advanced Topics in Native American Studies	4	In-depth examination of a current scholarly topic in the anthropology of Native North America, especially in relation to colonialism and Native resistance. Course will cover appropriate theory, as well as ethnographic and ethnohistorical materials. Also offered for graduate-level credit as Anth 517. Prerequisite: Upper division standing.	Description and prerequisite
Fall 2021	M	Anth	418	Environmental Anthropology	4	What can anthropology teach us about contemporary environmental problems? Emphasizing key issues of environmental change, adaptation, conservation and sustainability, biocultural diversity, resilience, political ecology, and environmental justice, this course examines how the cross-cultural study of human-environmental relations can improve our understanding of contemporary environmental problems and their solutions. Also offered for graduate-level credit as Anth 518 and may be taken only once for credit. Prerequisite: Upper division standing.	Description and prerequisite
Fall 2021	M	Anth	422	Tribal Sovereignty and Policy	4	An examination of current federal, state, and tribal law and policy pertaining to Indian affairs, including tribal government organization, government-to-government relations, economic development, natural and cultural resource management, health care, welfare, and education. Both reservation communities and the Portland metropolitan Indian community are considered. Student research is based on reading, field trips, and interviews with tribal officials and other policy professionals. Also offered for graduate-level credit as Anth 522 and may be taken only once for credit. Prerequisite: Upper division standing.	Title changed from Contemporary American Indian Policy and description and prerequisite changed

Fall 2021	M	Anth	425	Topics in Medical Anthropology	In-depth exploration of contemporary US and global health issues through critical, interpretive, biocultural, and ecological perspectives. Rotating topics may include but are not limited to pandemics and epidemics, emerging illnesses, food systems, new medical technologies, social meanings of the body and illness identities, patient activism, public health interventions, health-care policy, bioethics, and the medicalization of social problems. This course may be repeated once for credit. Also offered for graduate-level credit as Anth 525 and may be taken only once for credit. Prerequisite: Upper division standing.	Title changed from Perspectives in Medical Anthropology. Description, prerequisite, and repeatability changed.
Fall 2021	M	Anth	426	Transnationalism and Migration	In-depth exploration of globalization, transnationalism, and migration. Topics include colonialism and the history of world connections, the global economic system, cultural imperialism, nationalism and identity, migration, refugees, tourism, and the commodification of local cultures. Also offered for graduate-level credit as Anth 526 and may be taken only once for credit. Prerequisite: Upper division standing.	Description and prerequisite
Fall 2021	M	Anth	428	Political Anthropology	Survey of major anthropological approaches to politics, power, activism and social change, examined in light of historical and contemporary social tensions around the world. Emphasis on decolonization, political economy, and critical race and feminist theories. Also offered for graduate-level credit as Anth 528 and may be taken only once for credit. Prerequisite: Upper division standing.	Description and prerequisite
Fall 2021	M	Anth	430	Myth, Ritual, and Symbol	A critical examination of classic and recent anthropological theories in the cross-cultural study of symbolic forms. Also offered for graduate-level credit as Anth 530 and may be taken only once for credit. Prerequisite: Upper division standing.	Description and prerequisite
Fall 2021	M	Anth	431	Topics in Latin American in Ethnography	In-depth exploration of a current topic in Latin American and Caribbean anthropology, especially in relation to power, structural inequality and violence, cultural identities, social movements, the State, and postcolonial histories. Course materials will cover both theory and ethnography. Also offered for graduate-level credit as Anth 531. Prerequisite: Upper-division standing.	Title changed from Advanced Topics in Latin American Anthropology, description and prerequisite changed.
Fall 2021	M	Anth	432	Gender, Sex, and Sexuality in Anthropological Perspective	A theoretical introduction to gender, sex, and sexuality, including ethnographic examples from around the world. Explores biological and social aspects of sex and gender as they intersect with race, class, and nationality. Examines how gender relates to care work, kinship, and social reproduction. Considers transnational migration, surveillance, biopower, and political battles over reproductive technologies, gender-affirmative surgery, and sex work. Also offered for graduate-level credit as Anth 532 and may be taken only once for credit. Prerequisite: Upper division standing.	Title changed from Gender in Cross-Cultural Perspective. Description and prerequisite changed.
Fall 2021	M	Anth	435	Visual Anthropology	Examination of visual representation and visual research in Sociocultural Anthropology with a focus on photographic images, ethnographic films, and mass media. Also offered for graduate-level credit as Anth 535 and may be taken only once for credit. Prerequisite: Upper division standing.	Description
Fall 2021	N	Anth	440	Design Anthropology	Explores the relationship between anthropology and design. Addresses how anthropologists collaborate with designers in industry to develop new products. Students apply ethnographic methods to do rapid design research and develop prototypes of products and services. The course is useful for students interested in human centered approaches to problem solving and for students pursuing a career in designing innovative products or doing user experience research. Also offered for graduate-level credit as Anth 540 and may be taken only once for credit. Prerequisite: Upper division standing.	
Fall 2021	M	Anth	447	Advanced Topics in Asian Anthropology	In-depth exploration of a current topic in Asian anthropology, especially in relation to social change, nationalism and conflict, colonialism, or modernization. Course materials will cover both theory and ethnography. Also offered for graduate-level credit as Anth 547. Prerequisite: Upper division standing.	Title changed from Advanced Topics in South Asian Anthropology. Description and prerequisites changed.
Fall 2021	M	Anth	452	Archaeological Lab Methods	Learn and practice archaeological lab methods and techniques through analysis of common materials (e.g. lithics, ceramics) recovered from archaeological sites. Also offered for graduate-level credit as Anth 552 and may be taken only once for credit. Prerequisites: Upper division standing.	Description and prerequisite
Fall 2021	M	Anth	453	Archaeological Field Methods	Learn the theory, methods, and practice of archaeological field work. Topics include research design, survey and reconnaissance, site excavation, sampling and recording techniques, mapping, and cultural resource management. Also offered for graduate-level credit as Anth 553 and may be taken only once for credit. Prerequisites: Upper division standing.	Description and prerequisite
Fall 2021	M	Anth	454	Archaeological Field School	Engage in the scientific survey, mapping, and excavation of archaeological sites during a summer field project. Students will also gain training and experience in public engagement. Approximately 40 hours of field work per week, with a week of laboratory work. Also offered for graduate-level credit as Anth 554 and may be taken only once for credit. Prerequisites: admission to course is by permission of instructor via an application process.	Description
Fall 2021	M	Anth	456	Cultural and Heritage Resources Management	Introduction to the preservation, conservation, and management of cultural and heritage resources in North America, including the legal and regulatory frameworks. Topics include agency and private-sector archaeology, laws affecting antiquities trafficking, consultation with American Indian tribes and other stakeholders, traditional cultural properties, and landscape. Also offered for graduate-level credit as Anth 556 and may be taken only once for credit. Prerequisites: Upper division standing.	Title changed from Issues in Cultural Resource Management. Description and prerequisite changed.
Fall 2021	M	Anth	457	The Archaeology of Hunter-Gatherers	An investigation of the economic and social diversity among modern and ancient hunter-gatherers and the theories and methods used by archaeologists to investigate and explain that diversity. Examines topics such as the evolution of hunting and gathering, hunter-gatherer settlement and mobility strategies, social complexity among hunter-gatherers and hunter-gatherers in the modern world. Also offered for graduate-level credit as Anth 557 and may be taken only once for credit. Prerequisite: Upper division standing.	Title changed from Hunter-Gatherers. Prerequisite changed.
Fall 2021	M	Anth	458	The Archaeology of Disaster	Examine archaeological approaches to studying human responses to past disasters, both natural and human-made, and the application of archaeology to contemporary disaster preparedness and related issues. Topics include past human-environment interactions, climate change, vulnerability, risk, and resilience. Also offered for graduate-level credit as Anth 558 and may be taken only once for credit. Prerequisite: Upper division standing.	Title changed from Past Human-Environment Interactions. Description and prerequisite changed.
Fall 2021	M	Anth	460	Public and Community Archaeology	Reviews ways archaeology contributes to the modern world as a science and a humanity through addressing issues such as community heritage, social justice, and conservation biology. Students will develop a project that shares the benefits of archaeology with the public. Also offered for graduate-level credit as Anth 560 and may be taken only once for credit. Prerequisite: Upper division standing.	Title changed from Public Archaeology. Description and prerequisite changed.
Fall 2021	M	Anth	461	Advanced Topics in Archaeology	In-depth exploration and analysis of a major current problem in archaeology. Problems may be substantive or theoretical. Also offered for graduate-level credit as Anth 561. Prerequisite: Upper division standing.	Prerequisite
Fall 2021	M	Anth	471	Advanced Topics in Paleoanthropology	In-depth exploration and analysis of current issues and debates in Paleoanthropology. Rotating focus on different human and primate lineages within different geological time frames. Emphasis on articulation of evolutionary theory with paleontology, prehistoric archaeology, genetics, and other relevant fields of inquiry. Also offered for graduate-level credit as Anth 571. Prerequisite: Upper division standing.	Description and prerequisite
Fall 2021	M	Anth	472	The Roots of Human Biology	Human biology within an evolutionary framework integrating ecology, behavior, and genetics. Evolutionary and bio-cultural approaches for interpreting genotypic and phenotypic variation. Population-level adaptations involving climate, latitude, altitude, subsistence pattern, and diet. Human life history (reproduction, development, growth, and aging). Human health and disease; Darwinian medicine. Also offered for graduate-level credit as Anth 572 and may be taken only once for credit. Prerequisite: Upper division standing.	Title changed from Human Evolution and Adaptation. Description and prerequisite changed.

Fall 2021	M	Anth	477	Primatology Field Methods	Methods for collecting behavioral and ecological data on free-ranging primates through a combination of field exercises and lectures. Curriculum includes development of ethograms, sampling methods and recording rules, mapping, and estimating resource availability. Methods learned within a natural reserve setting populated by living primates. Also offered for graduate-level credit as Anth 577 and may be taken only once for credit. 4 Prerequisite: Upper division standing.	Description and prerequisite
Fall 2021	M	Anth	478	Human Osteology	The identification and interpretation of human skeletal material from paleontological, archaeological, and modern contexts. Focus on mastery of human skeletal and dental anatomy; estimation of age and sex; introduction to paleopathology, pre- and peri-mortem modification, and taphonomy. Ethics in the study of human skeletal remains. Also offered for graduate-level credit as Anth 578 and may be taken only once for credit. Prerequisite: 4 Upper division standing.	Description and prerequisite
Fall 2021	M	Anth	479	Forensic Anthropology	Methods of forensic anthropology including advanced techniques of human skeletal identification and their application to the solution of medico-legal problems. Also offered for graduate-level credit as Anth 579 and may be taken only once for credit. Prerequisite: Upper division standing.	Description and prerequisite
Fall 2021	M	Anth	490	The Anthropology of Violence	Theoretical and ethnographic exploration of the nature of violence. Topics include identity politics and nationalism; the biology of aggression and the cultural meanings of pain; state violence; symbolic and situational violence; and human rights. Also offered for graduate-level credit as Anth 590 and may be taken only once for credit. Prerequisite: Upper division standing.	Description and prerequisite
Fall 2021	M	Anth	512	Ethnographic Methods	Practical coursework and community-based experience in research design and qualitative methodology. Students conceptualize and implement research projects, gather and analyze data, and write a proposal for hypothetical future research. Essential training for basic ethnographic research and applied projects. Also offered for undergraduate-level credit as 4 Anth 412 and may be taken only once for credit.	Title changed from Research Methods in Social and Cultural Anthropology. Description changed.
Fall 2021	M	Anth	514	Culture and Ecology	A critical analysis of the interrelations of culture, social structure, and human ecology. Social organization as influenced by characteristic patterns of resource exploitation. The uses of natural environment from the viewpoint of the members of societies. Also offered for undergraduate-level credit as 4 Anth 414 and may be taken only once for credit.	Description
Fall 2021	M	Anth	516	Urban Anthropology	Global examination of urban phenomena including: spatial design of urban built environments, the production of locality, urban political activism, ideas of cosmopolitanism, racial segregation, violence, migration, informal economies, subcultures, and new technologies that impact social relations in cities across the world. Also offered for undergraduate-level credit as Anth 416 and may be taken only once for credit.	Description
Fall 2021	M	Anth	517	Advanced Topics in Native American Studies	In-depth examination of a current scholarly topic in the anthropology of Native North America, especially in relation to colonialism and Native resistance. Course will cover appropriate theory, as well as ethnographic and ethnohistorical materials. Also offered for undergraduate-level credit as 4 Anth 417.	Description
Fall 2021	M	Anth	518	Environmental Anthropology	What can anthropology teach us about contemporary environmental problems? Emphasizing key issues of environmental change, adaptation, conservation and sustainability, biocultural diversity, resilience, political ecology, and environmental justice, this course examines how the cross-cultural study of human-environmental relations can improve our understanding of contemporary environmental problems and their solutions. Also offered for undergraduate-level credit as Anth 418 and may be taken 4 only once for credit.	Description
Fall 2021	M	Anth	522	Tribal Sovereignty and Policy	An examination of current federal, state, and tribal law and policy pertaining to Indian affairs, including tribal government organization, government-to-government relations, economic development, natural and cultural resource management, health care, welfare, and education. Both reservation communities and the Portland metropolitan Indian community are considered. Student research is based on reading, field trips, and interviews with tribal officials and other policy professionals. Also offered for undergraduate-level credit as Anth 422 and may be taken only once for credit.	Title changed from Contemporary American Indian Policy. Description changed.
Fall 2021	M	Anth	525	Topics in Medical Anthropology	In-depth exploration of contemporary US and global health issues through critical, interpretive, biocultural, and ecological perspectives. Rotating topics may include but are not limited to pandemics and epidemics, emerging illnesses, food systems, new medical technologies, social meanings of the body and illness identities, patient activism, public health interventions, health-care policy, bioethics, and the medicalization of social problems. This course may be repeated once for credit. Also offered for undergraduate-level credit as Anth 425 and may be taken only once for credit.	Title changed from Perspectives in Medical Anthropology. Description and repeatability changed.
Fall 2021	M	Anth	526	Transnationalism and Migration	In-depth exploration of globalization, transnationalism, and migration. Topics include colonialism and the history of world connections, the global economic system, cultural imperialism, nationalism and identity, migration, refugees, tourism, and the commodification of local cultures. Also offered for undergraduate-level credit as Anth 426 and may be taken only once for credit.	Description
Fall 2021	M	Anth	528	Political Anthropology	Survey of major anthropological approaches to politics, power, activism and social change, examined in light of historical and contemporary social tensions around the world. Emphasis on decolonization, political economy, feminist, and critical race theories. Also offered for undergraduate-level credit as Anth 428 and may be taken only once for credit.	Description
Fall 2021	M	Anth	530	Myth, Ritual, and Symbol	A critical examination of both classic and recent anthropological theories in the cross-cultural study of symbolic forms. Also offered for undergraduate-level credit as Anth 430 and may be taken only once for credit.	Description
Fall 2021	M	Anth	531	Topics in Latin American in Ethnography	In-depth exploration of a current topic in Latin American and Caribbean anthropology, especially in relation to power, structural inequality and violence, cultural identities, social movements, the State, and postcolonial histories. Course materials will cover both theory and ethnography. Also offered for undergraduate-level credit as Anth 431.	Title changed from Advanced Topics in Latin American Anthropology, description changed
Fall 2021	M	Anth	532	Gender, Sex, and Sexuality in Anthropological Perspectives	A theoretical introduction to gender, sex, and sexuality, including ethnographic examples from around the world. Explores biological and social aspects of sex and gender as they intersect with race, class, and nationality. Examines how gender relates to care work, kinship, and social reproduction. Considers transnational migration, surveillance, biopower, and political battles over reproductive technologies, gender-affirmative surgery, and sex work. Also offered for undergraduate-level credit as Anth 432 and may be taken only once for credit.	Title changed from Gender in Cross-Cultural Perspective. Description changed.
Fall 2021	M	Anth	535	Visual Anthropology	Examination of visual representation and visual research in Sociocultural Anthropology with a focus on photographic images, ethnographic films, and mass media. Also offered for undergraduate-level credit as Anth 435 and may be taken only once for credit.	Description
Fall 2021	N	Anth	540	Design Anthropology	Explores the relationship between anthropology and design. Addresses how anthropologists collaborate with designers in industry to develop new products. Students apply ethnographic methods to do rapid design research and develop prototypes of products and services. The course is useful for students interested in human centered approaches to problem solving and for students pursuing a career in designing innovative products or doing user experience research. Also offered for undergraduate-level credit as Anth 440 and may be taken only once for credit.	
Fall 2021	M	Anth	547	Advanced Topics in Asian Anthropology	In-depth exploration of a current topic in Asian anthropology, especially in relation to social change, nationalism and conflict, colonialism, or modernization. Course materials will cover both theory and ethnography. Also offered for undergraduate-level credit as Anth 447.	Title changed from Advanced Topics in South Asian Anthropology. Description changed.
Fall 2021	M	Anth	552	Archaeological Lab Methods	Learn and practice archaeological lab methods and techniques through analysis of common materials (e.g. lithics, ceramics) recovered from archaeological sites. Also offered for undergraduate-level credit as Anth 452 and may be taken only once for credit. Prerequisite: Graduate standing or instructor permission.	Description

Fall 2021	M	Anth	553	Archaeological Field Methods	Learn the theory, methods, and practice of archaeological field work. Topics include research design, survey and reconnaissance, site excavation, sampling and recording techniques, mapping, and cultural resource management. Also offered for undergraduate-level credit as Anth 453 and may be taken only once for credit. Prerequisite: Graduate standing or instructor permission.	Description
Fall 2021	M	Anth	554	Archaeological Field School	Engage in the scientific survey, mapping, and excavation of archaeological sites during a summer field project. Students will also gain training and experience in public engagement. Approximately 40 hours of field work per week, with a week of laboratory work. Also offered for undergraduate-level credit as Anth 454 and may be taken only once for credit. Prerequisite: Admission to course is by permission of instructor via an application process.	Description
Fall 2021	M	Anth	556	Cultural and Heritage Resource Management	Introduction to the preservation, conservation, and management of cultural and heritage resources in North America, including the legal and regulatory frameworks. Topics include agency and private-sector archaeology, laws affecting antiquities trafficking, consultation with American Indian tribes and other stakeholders, traditional cultural properties, and landscape. Also offered for undergraduate-level credit as Anth 456. Prerequisite: Graduate standing or instructor permission.	Title changed from Issues in Cultural Resource Management. Description changed.
Fall 2021	M	Anth	557	The Archaeology of Hunter-Gatherers	An investigation of the economic and social diversity among modern and ancient hunter-gatherers and the theories and methods used by archaeologists to investigate and explain that diversity. Examines topics such as the evolution of hunting and gathering, hunter-gatherer settlement and mobility strategies, social complexity among hunter-gatherers and hunter-gatherers in the modern world. Also offered for undergraduate-level credit as Anth 457 and may be taken only once for credit. Prerequisite: Graduate standing or instructor permission.	Title changed from Hunter-Gatherers
Fall 2021	M	Anth	558	The Archaeology of Disaster	Examine archaeological approaches to studying human responses to past disasters, both natural and human-made, and the application of archaeology to contemporary disaster preparedness and related issues. Topics include past human-environment interactions, climate change, vulnerability, risk, and resilience. Also offered for undergraduate-level credit as Anth 458 and may be taken only once for credit. Prerequisite: Graduate standing or instructor permission.	Title changed from Past Human-Environment Interactions. Description changed.
Fall 2021	M	Anth	560	Public and Community Archaeology	Reviews ways archaeology contributes to the modern world as a science and a humanity through addressing issues such as community heritage, social justice, and conservation biology. Students will develop a project that shares the benefits of archaeology with the public. Also offered for undergraduate-level credit as Anth 460 and may be taken only once for credit.	Title changed from Public and Community Archaeology. Description changed.
Fall 2021	M	Anth	571	Advanced Topics in Paleoanthropology	In-depth exploration and analysis of current issues and debates in Paleoanthropology. Rotating focus on different human and primate lineages within different geological time frames. Emphasis on articulation of evolutionary theory with paleontology, prehistoric archaeology, genetics, and other relevant fields of inquiry. Also offered for undergraduate-level credit as Anth 471.	Description
Fall 2021	M	Anth	572	The Roots of Human Biology	Human biology within an evolutionary framework integrating ecology, behavior, and genetics. Evolutionary and bio-cultural approaches for interpreting genotypic and phenotypic variation. Population-level adaptations involving climate, latitude, altitude, subsistence pattern, and diet. Human life history (reproduction, development, growth, and aging). Human health and disease; Darwinian medicine. Also offered for undergraduate-level credit as Anth 472 and may be taken only once for credit.	Title changed from Human Evolution and Adaptation. Description changed.
Fall 2021	M	Anth	577	Primatology Field Methods	Methods for collecting behavioral and ecological data on free-ranging primates through a combination of field exercises and lectures. Curriculum includes development of ethograms, sampling methods and recording rules, mapping, and estimating resource availability. Methods learned within a natural reserve setting populated by living primates. Also offered for undergraduate-level credit as Anth 477 and may be taken only once for credit. Prerequisite: Graduate level standing or permission of instructor.	Description and prerequisite
Fall 2021	M	Anth	578	Human Osteology	The identification and interpretation of human skeletal material from paleontological, archaeological, and modern contexts. Focus on mastery of human skeletal and dental anatomy; estimation of age and sex; introduction to paleopathology, pre- and peri-mortem modification, and taphonomy. Ethics in the study of human skeletal remains. Also offered for undergraduate-level credit as Anth 478 and may be taken only once for credit.	Description
Fall 2021	M	Anth	579	Forensic Anthropology	Methods of forensic anthropology including advanced techniques of human skeletal identification and their application to the solution of medico-legal problems. Also offered for undergraduate-level credit as Anth 479 and may be taken only once for credit.	Description
Fall 2021	M	Anth	590	The Anthropology of Violence	Theoretical and ethnographic exploration of the nature of violence. Topics include identity politics and nationalism; the biology of aggression and the cultural meanings of pain; state violence; symbolic and structural violence; and human rights. Also offered for undergraduate-level credit as Anth 490 and may be taken only once for credit.	Description
Fall 2021	M	Anth	312U	Southeast Asian Societies and Cultures	Introduction to the societies and cultures of Southeast Asia, the area encompassed today by the nations of Burma (Myanmar), Thailand, Laos, Cambodia, Vietnam, Malaysia, Singapore, Brunei, Indonesia, and the Philippines. Course topics explore the religious and cultural diversity of the area, as well as historical and cultural themes that traverse this region.	Description
Fall 2021	M	Anth	317U	South Asia	Introduction to the ethnography of South Asia, the area encompassed by India, Pakistan, Sri Lanka, Nepal, Bangladesh, Butan and the Maldiv Islands. Topics include colonial history; class, caste, and gender hierarchies; cultural and linguistic diversity; religious conflict; and social change.	Title changed from Peoples and Cultures of South Asia and description changed
Fall 2021	M	Anth	318U	Asian American Experience	Explores the contemporary experiences of Asian immigrants to the United States, focusing on issues of migration, family adjustments, community formations, and identity constructions among diverse groups of Asians including Chinese, Japanese, Korean, Filipino, Vietnamese, South Asians, and others.	Description
Fall 2021	N	Anth	350L	Archaeological Method and Theory Laboratory	Lab for Anth 350. Corequisite: Anth 350.	
Fall 2021	M	Anth	355U	Colonial and Postcolonial Historical Archaeology	Survey of the materials, methods, and theories of historical archaeology in the western United States focussing on colonialism and postcolonialism. Includes laboratories in artifact analysis and interpretation. Topics include the archaeology of forts and the fur trade, American immigration, heritage, and public interpretation.	Title changed from Historical Archaeology and the Origins of the Modern Pacific Northwest and description changed
Fall 2021	M	Anth	357U	Archaeology in Popular Culture	Build knowledge of science in archaeology through analysis of archaeological representations in popular culture (e.g. films, television, video games, fiction). Study relationships between archaeology, archaeology in popular culture, and modern society.	Description
Fall 2021	M	Anth	361U	The Archaeology of Europe	An investigation of the archaeology of Europe, and major events in European prehistory including pre-modern and modern human interactions in Europe, the Upper Paleolithic technological revolution, the advent of farming, and the development of state-level societies.	Description
Fall 2021	M	Anth	364U	The Archaeology of the Pacific Northwest	A thematic exploration of Indigenous societies in the Pacific Northwest of North America through time, starting from the earliest archaeological evidence over 16,000 years ago to the 19th and 20th centuries. Students are introduced to scientific approaches to reconstructing the past. Major topics include: the shift to sedentism; the formation of structural inequalities; and the development of complex and varied approaches to organizing labor, political, and economic systems.	Description
Fall 2021	M	Anth	365U	The Archaeology of North America	An investigation of major events and cultural transitions in the ancient cultures and societies of North America north of Mexico, including major migrations, hunter-gatherer lifeways, the development of sedentism, and of farming, and the development of social complexity and inequality.	Description

Fall 2021	M	Anth	366U	The Archaeology of Mesoamerica	4	A survey of the ancient cultures of Mesoamerica emphasizing evidence of the earliest people, subsistence practices including plant domestication, and the development of social complexity. Phenomena such as pyramids and temples, mathematics, calendars and writing systems, combine to paint a rich picture of cultures in the Americas before European contact. Course material focuses on the Olmec, Maya and Highland Mexico.	Description
Fall 2021	D	Anth	367U	The Archaeology of East Asia	4		
Fall 2021	M	Anth	368U	The Archaeology of Oceania	4	An investigation of the archaeology of Oceania, from the earliest peopling of New Guinea over 60,000 years ago to subsequent voyaging and human settlement throughout the blue continent of the Pacific Islands. Explores cultural developments and human ecosystem engineering in island groups such as Guam and the Mariana Islands, Hawaii, Rapa Nui/Easter Island, and Aotearoa New Zealand.	Description
Fall 2021	M	Anth	376U	The Neandertals	4	Neandertal biology and behavior: who they were, how they lived, and the nature of interactions between Neandertals and modern humans. Critical debates over the place of the Neandertals in human evolution. Exploration draws from paleontological, archaeological, and genetic data, with views into the history of scientific and popular thought about Neandertals.	Description
Fall 2021	M	Anth	379U	Practicing Forensics	4	Survey of topics in forensic science: DNA, drug chemistry, toxicology, firearms, and latent prints. Focus on forensic anthropology and taphonomy, including assessment of age, sex, population-based skeletal variation, and effects of peri-/post-mortem environmental processes on forensic investigation. Course clarifies popular media misinformation with fact-based overview of real forensic analysis. Expected preparation: Anth 101.	Course number changed from Anth 379 due to designation as junior cluster
Fall 2021	M	ArH	358U	Medicine and Magic in Romanesque Art	4	Focuses on the ways medicine and magic can be viewed in the art and material cultures of the Romanesque era as well as other medieval periods. We look critically at concepts such as magic and science in their historical context to better understand how medieval practices such as alchemy and astrology are represented in art including manuscripts, sculpture, amulets and early printed books. Expected preparation: ArH 204 (expected of art & art history majors).	Title changed from Romanesque Art and description changed
Fall 2021	M	Art	101	CORE: Surface	5	Introduction to working with surface as a medium, concept, and process. The principles and elements of design will be explored in relation to the practices of two-dimensional design and color theory. No prerequisites. Open to majors in the School of Art + Design	Description
Fall 2021	M	Art	102	CORE: Space	5	Introduction to space as a medium, concept, and process. Lectures, readings, demonstrations and hands-on projects help students identify and understand space-based principles in art and design. No prerequisites. Open to majors in the School of Art + Design.	Description
Fall 2021	M	Art	103	CORE: Time	5	Introduction to working with Time as a medium, concept, and process. Within this, the principles of duration, intensity, and rhythm are particularly significant and frame narrative and storytelling development. This course involves lectures, readings, demonstrations and hands-on exercises that help students identify time-based principles in art and design. Individual and group projects support these concepts in practice. No prerequisites. Open to majors in the School of Art + Design.	Description
Fall 2021	M	Art	104	CORE: Digital Tools	2	Introduces students to various digital tools, applications, and creative modes to share, distribute and produce art works. Students will expand their practice and understanding of how smartphone technologies, social media and online platforms can be used for creative outcomes. Students will learn to produce, assemble, manipulate and edit digital materials and to share those materials online and through print. This course includes lectures, readings, and activities. Students will build a learning community through discussions, collaborations, and field trips. Open to major or minors in School of Art + Design.	Description
Fall 2021	M	Art	105	CORE: Ideation	2	One of the biggest challenges for creative people is taking an idea envisioned in the mind and turning it into reality. Ideation introduces students to techniques for bringing ideas to life. In this course, students will be introduced to a variety of techniques and concepts that focus on the generation, development and communication of new ideas. Open to major or minors in School of Art + Design or with faculty permission.	Description
Fall 2021	M	Art	230	Drawing II	4	Continues to explore drawing as a means of personal expression with an emphasis on drawing from observation. Students deepen drawing strategies and continue to develop fluency in the language of line, shape, value, space, and color. Prerequisite: Art 131.	Title changed from Introduction to Drawing II and description changed
Fall 2021	M	Art	255	Two-dimensional Animation I	4	Studio introduction to principles and processes of two-dimensional animation composed in digital form. Storytelling and animation skills are developed in projects that apply tools and techniques for writing, staging, movement, timing, key framing, editing, and the use of sound and music. The language and aesthetics of animation are investigated through the design and production of a two-dimensional animation. Focus may be placed on either pixel or vector graphics. Project planning and workflow are explored in response to technical requirements for presenting the work in multiple media delivery formats.	Description
Fall 2021	M	Art	257	Introduction to Video Art	4	Introduction to fundamental techniques of digital video production in the context of contemporary art practices. Topics cover a range of experimental and non-narrative forms, focusing on artists; use of video and other related media theory. Technical information covered includes cinematography, camera operations and digital video editing.	Description
Fall 2021	M	Art	270	Introduction to Printmaking: Relief	4	A studio focused course concentrating on the planographic printmaking processes traditionally identified as "relief printmaking". This specialized technique will be presented utilizing the practice and concepts unique to historic, traditional/nontraditional and contemporary printmaking methodology. Monoprinting one of a kind image making and edition printing creating identical multiple images will be explored. Graphic languages developed through researching historical and contemporary influences will be presented to inspire and stimulate the students imagination and knowledge of graphic languages. Sequential thinking processes and theory will also be addressed. May be repeated twice for credit maximum 8 credits. Prerequisite: Art 131.	Description and prerequisite
Fall 2021	M	Art	271	Introduction to Printmaking: Etching	4	A studio focused course concentrating on the Intaglio method of Printmaking also identified as "Etching". This specialized technique will introduce basic theories, practice and concepts unique to historic, traditional/nontraditional and contemporary Printmaking methodology. Monoprinting (one of a kind image making processes) and edition printing -sequential image making will be explored. Technical processes of black and white drypoint, etching and softground will be at the core of the students investigation. Understanding manipulation of technical processes unique to etching, additive and subtractive processes will be equally explored. Graphic languages developed through researching historical and contemporary influences will be presented to inspire and stimulate the students imagination and knowledge of graphic languages. Sequential thinking processes and theory will also be addressed. Zinc and copper plates will be the central focus of this introductory course. May be repeated twice for credit. Maximum 8 credits. Prerequisite: Art 131.	Description
Fall 2021	M	Art	281	Intro to Painting	4	Course introduces basic principles of painting by exploring the use of color, form, composition and a variety of surface applications. Course assignments involve direct observational approaches presented through a variety of traditional and modern painting styles and techniques. Prerequisite: Art 131.	Title changed from Introduction to Painting, description and prerequisites changed
Fall 2021	M	Art	282	Painting Topics	4	Introductory topics in painting is based on various subjects of inquiry. Focusing on a specific material exploration and/or application, approaches will vary according to instructor. Prerequisites: Art 131.	Title changed from Introductory Painting Topics and prerequisite changed
Fall 2021	M	Art	294	Water Media	4	The techniques and uses of watercolor, gouache, and other water-based mediums with attention to unique characteristics as painting mediums. Collage and mixed media may be included with water-soluble pencils and crayons. Lectures on historic uses of these media and discussions of the aesthetic possibilities for layering and transparencies.	Description

Fall 2021	M	Art	296	Digital Drawing, Painting and Printmaking	4	Studio course introducing concepts and processes in computer graphics through a set of defined problems examined through digital drawing, and painting applications. Projects explore a range of tools and techniques used in the digital paint environment, including the acquisition of imagery. The unique features of digital tools and techniques are investigated in terms of their relationships with traditional materials and processes. A critical and conceptual framework is developed for the many uses of these tools in a fine art context through an emphasis on using the computer as an artist's tool and the inclusion of digital art forms and processes into the mixed media studio.	Title changed from Digital Drawing and Painting and description changed
Fall 2021	M	Art	297	Book Arts	4	This mixed media class will explore the book as an art form. The relationship of images and/or words will be explored in relationship to narrative and sequential structures. Traditional and experimental methods of binding will be taught. Lectures on the history of the artist's book and issues in imagery and/or typography will be presented. Class emphasizes an experimental and conceptual approach that integrates content and form. Maximum 8 credits.	Description
Fall 2021	N	Art	318	Weaving: Pattern & Structure	4	An introduction to the conceptual and technical aspects of weaving. Students will be introduced to hand-weaving on a floor loom and tapestry looms as a way to understand basic woven structures and how to utilize weaving to create color, pattern, and texture. Students will be assigned a series of samples and projects that incorporate dyeing and hand-manipulated techniques in addition to basic structures. Demonstrations, lectures, readings, and critiques will incorporate historic and contemporary textiles to provide a basic understanding of the possibilities of weaving in a fine art context. Prerequisite: Art 216 or instructor approval.	
Fall 2021	M	Art	330	Critical Theories in Art I	4	After a brief look at art of the 1960s and 1970s, this class will explore major theoretical and philosophical developments in the art world over the last quarter-century. Various themes and forms of art and individual artists will be examined as manifestations of specific theories and philosophies that have emerged during the past 25 years. Particular emphasis will be on art of the post-9/11 era. Material will be covered through readings, slide lectures and films as well as frequent visits to the Portland Art Museum; we will also take advantage of gallery shows, lectures and other relevant local events. Assignments will include critical response and research papers, group presentations. Prerequisites: Art 206.	Description
Fall 2021	M	Art	339	BFA Vertical Lab I: Collaboration and Presentation Strategies	4	First of a two-term sequence that introduces artists' research methods and explores a range of strategies and platforms for presenting art work in public settings. Students collaborate on theme-based projects that culminate in public presentations. Coursework includes lectures, demonstrations, studio production and field trips. Required for BFA. Prerequisite: Art 303 (concurrent enrollment allowed).	Prerequisites
Fall 2021	M	Art	350	Life Drawing II	4	This is the second class in the Life Drawing sequence. The course continues development of skills in drawing the human figure in a variety of poses working with a variety of materials with an emphasis on the muscular system. The student should be able to state the figure quickly, economically and in proportion. Prerequisite: Art 250.	Description and prerequisite
Fall 2021	M	Art	356	Visual Storytelling	4	Studio course exploring strategies of representation of stories, characters, and other narrative elements in time-based visual media. Focuses on the use and creation of storyboards, graphic novels, and animation in fiction and non-fiction storytelling. Expected preparation: Art 255, Art 256, and/or Art 257. Open to Non-majors with instructor's consent.	Description and prerequisite
Fall 2021	M	Art	362	Intermediate Photography	4	Studio introduction to concepts, techniques, practices, aesthetics, and ethics of photographic imaging and image-making with digital technology. Investigations in photographic media are enabled through a variety of digital imaging techniques, including retouching, color correction, filtering, masking, layering, and compositing.	Change title from Photographic Imaging
Fall 2021	M	Art	370	Topics in Printmaking Techniques	4	Adding on to the principles and skill sets first investigated in lower-level printmaking this course explores additional techniques in printmaking. Varying practices, methodologies, and theories will be explored. Topics include but are not limited to etching, relief, mixed media print, screen printing, and mono-print. May be repeated for credit up to a maximum of 12 credits. Open to non-majors with instructor's consent. Prerequisite: Art 270 or Art 271.	Change description and prerequisites
Fall 2021	M	Art	371	Intermediate Printmaking	4	Through the techniques of fine art printmaking, students challenge themselves to think creatively and conceptually to develop a varied but cohesive print portfolio that explores a central theme. Students will support their creative expression with research and historical reference. This course is repeatable for up to 12 credits. Prerequisites: Art 270, Art 271, or Art 370.	Change title from Intermediate Printmaking; Thematic Process, change description
Fall 2021	M	Art	391	Intermediate Drawing and Mixed Media	4	Through the techniques of fine art printmaking, students challenge themselves to think creatively and conceptually to develop a varied but cohesive print portfolio that explores a central theme. Students will support their creative expression with research and historical reference. This course is repeatable for up to 12 credits. Prerequisites: Art 230.	Change title from Drawing Concepts and change prerequisites
Fall 2021	M	Art	393	Painting Topics	4	Intermediate level special topics in painting based on various subjects of inquiry. Focusing on a specific theme, material explorations and applications, and/or specific content, approaches will vary according to instructor. Prerequisites: Art 281.	Change title from Intermediate Painting Topics and change prerequisite
Fall 2021	M	Art	455	Time-Based Art Studio	4	Advanced studio course focused on production of time-based arts including video art, animation, sound, performance, experimental film, installation, and other interdisciplinary forms. Course content focuses on the representation of time in art. Prerequisites: Art 255 and Art 257 or consent of instructor.	Change prerequisites
Fall 2021	M	Art	479	Advanced Printmaking - Working Place	4	An advanced laboratory course for students in the BFA Program. The intention of this course is to explore and experiment with several print techniques to arrive at a cohesive body of work that speaks to a students' individual vision. Maximum 12 credits. Open to non-majors who have prerequisites and instructor's consent. Prerequisite: Art 370 or Art 371.	Change prerequisite and change description
Fall 2021	M	Art	490	Advanced Painting	4	Through guided individual assistance, this course concentrates on working methods of research and execution towards a specifically proposed project. Research, idea generation and production are emphasized within the context of a body of work, related to contemporary painting practices and theories. Prerequisites: Art 392.	Change prerequisite
Fall 2021	D	Art	492	Contemporary Studio Practice	4		
Fall 2021	M	Art	496	BFA Project I	4	Studio production and exhibition preparation in which students produce a body of work for a culminating presentation. Focus on studio production, research, editing, documentation, publication/catalog design and written statements. This is the first course in a sequence of two: Art 496 and Art 498 and must be taken in sequence. Required for all BFA students. Prerequisites: Art 439.	Change prerequisite
Fall 2021	M	Art	583	MFA Graduate Seminar III: Pedagogy + Praxis	2	Explores teaching at local and national institutions as preparation for teaching in higher ed. This seminar includes curriculum development, syllabi development, assessment, educational objectives reading and discussion of post-modern theory and other matters in the area of art education and visual culture. Required for MFA. Maximum credits 2. Prerequisite: Admission into the MFA in Contemporary Art Practice program.	Title changed from MFA Graduate Seminar III: Teaching Visual Culture
Fall 2021	M	Art	586	Visiting Artist Program	2	Through presentations and conversations, students will learn about the work of a diverse range of artists and cultural producers. Visiting artists participate in group critiques, and/or conduct individual studio critiques. May be repeated for credit. Maximum credits 12. Required for MFA. Prerequisite: Admission into the MFA in Contemporary Art Practice program.	Title changed from Visiting Artist Program/Group Critique and change description
Fall 2021	N	BA	100	Summer Business Institute	1	The Summer Business Institute is a unique opportunity for high school students to explore the world of business with Portland State business faculty and local business leaders. The institute will provide an overview of the functional areas of business and business practices in Oregon with an emphasis on diversity and inclusion and social responsibility. The institute is specially designed for Black, Indigenous, people of color, and those with culturally diverse backgrounds. This course is repeatable for up to 2 credits.	

Fall 2021	M	Bi	370	Mushrooms	An introduction to the distribution, systematics, identification, ecology, morphology, and life histories of visible fungi (mushrooms). Two 3-hour laboratory periods; field trips. Prerequisites: Successful completion of the Principles of Biology sequence (Bi 211, Bi 212, Bi 213, Bi 214, Bi 215, Bi 216) with a C- or higher. Corequisite: Bi 370L.	Description and prerequisites
Fall 2021	N	Bi	426	Advanced Topics in Evolutionary Biology	Lectures and discussions on advanced topics in evolutionary biology; evaluation of historical and current trends in this field. Also offered for graduate-level credit as Bi 526 and may be taken only once for credit. Prerequisite: Bi 358 or equivalent (course must be passed with a minimum of a B).	
Fall 2021	M	Bi	437	Physiological Adaptations to Extreme Environments	Cellular, biochemical and physiological adaptations that allow animals to thrive in the Earth's harshest habitats with a focus on what makes species from extreme environments unique. Also offered for graduate-level credit as Bi 537 and may be taken only once for credit. Prerequisites: Completion of Bi 320 with a C- or above.	Description and prerequisites
Fall 2021	N	Bi	447	Scientific Teaching	Designed for upper-division science majors and graduate students interested in learning about best practices in teaching and learning science. In this interactive course students will gain experience in curriculum design and delivery as well as engage with education research literature. Also offered for graduate-level credit as Bi 547 and may be taken only once for credit. Prerequisite: Upper-division standing.	
Fall 2021	M	Bi	526	Advanced Topics in Evolutionary Biology	Lectures and discussions on advanced topics in evolutionary biology; evaluation of historical and current trends in this field. Expected preparation: Bi 358 or equivalent. Also offered for undergraduate-level credit as Bi 426 and may be taken only once for credit.	change title from Principles of Evolution, add dual-level course, change credit hours from 4 credits
Fall 2021	M	Bi	537	Physiological Adaptations to Extreme Environments	Cellular, biochemical and physiological adaptations that allow animals to thrive in the Earth's harshest habitats with a focus on what makes species from extreme environments unique. Also offered for undergraduate-level credit as Bi 437 and may be taken only once for credit.	Description and prerequisites
Fall 2021	N	Bi	547	Scientific Teaching	Designed for upper-division science majors and graduate students interested in learning about best practices in teaching and learning science. In this interactive course students will gain experience in curriculum design and delivery as well as engage with education research literature. Also offered for undergraduate credit as Bi 447 and may be taken only once for credit. Prerequisite: Graduate-level standing.	
Fall 2021	N	Bst	444	Food Justice	Food justice is studied from a holistic perspective, which considers the complexities and intersections of ecological, cultural, nutritional, political and socioeconomic factors in the production and consumption of food. As a Black Studies food justice class, we study the historic background and diversity of Afro descent food ways, and look at contemporary topics of environmental justice, land and food access, cultural identity and appropriation. We also employ pedagogies that engage our understanding of growing food, cooking food, and eating food. Prerequisite: Upper division standing.	
Fall 2021	M	Bsta	525	Introduction to Biostatistics	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 understand when to use basic statistical methods how to compute tests to statistics and how to interpret results. Computer applications (using statistical software) are included as part of the course. Prerequisite: Graduate standing.	Description
Fall 2021	M	Bsta	550	Intro to Probability	This course is an introduction to the methods and concepts of probability theory, including combinatorics, conditional probability and independence, discrete and continuous random variables, probability distributions, joint distributions, expectation, transformations of random variables, moment generating functions, and the central limit theorem. Prerequisite: Acceptance to MS in Biostatistics program.	Description
Fall 2021	M	Bsta	551	Statistical Inference I	Statistical Inference I is the first course of a two term course (BSTA 551 & 552) covering the foundations of statistical inference. It is targeted to graduate students majoring in biostatistics and other disciplines requiring an understanding of statistical theory. The course starts with a review of the probability theory that is the basis for that inference. We will then focus on principles of data reduction and estimation (frequentist and Bayesian methods). We will also introduce hypothesis testing, time permitting. The two courses must be taken in sequence. Prerequisite: Bsta 550 and differential and integral calculus.	Title changed from Mathematical Statistics I and change description
Fall 2021	M	Bsta	552	Statistical Inference II	Statistical Inference II is the second of a two term course (BSTA 551 & 552) and provides theoretic foundation in biostatistics. Topics in the second course will include sampling distributions, point and interval estimation, tests of hypotheses, and an introduction to asymptotic theory. The two courses must be taken in sequence.	Title changed from Mathematical Statistics II and change description
Fall 2021	M	BTA	350	Business Problem Solving with Analytics and Visualization	Focuses on addressing business problems by using quantitative models and computer software to analyze data. Through the use of business scenarios, students develop the skills to structure decision making and assess their findings. Using datasets from industry, the course provides students with working knowledge and a broad overview of applications that facilitate analysis. Particular emphasis is placed on the application of quantitative analysis tools to real-world datasets, the ability of students to make managerial recommendations based on these analyses, and the use of Excel & Tableau. Prerequisite: BA 327.	Course number changed from ISQA. Title changed from Solving Business Problems using Quantitative Analysis, and description changed
Fall 2021	M	BTA	380	Data Communications	Topics include communication between people and machines, transmission systems, protocols for communication technologies, and digital communication and networks. Application areas reviewed include data communications, voice and electronic mail, Internet, and mobile systems. Management issues covered include cost/benefit analysis, organizational impact, international systems, and emerging technologies. Prerequisites: BA 4325, CS 106.	Course number changed from ISQA 380
Fall 2021	M	BTA	415	Database Management	Introductory database management course for undergraduates in business. The course covers theories of data modeling, techniques for database analysis, design, development, and implementation; Structured Query Language (SQL), and management of databases. Although all major database management systems, including hierarchical, network, relational, and object-oriented will be covered; the focus will be on relational database systems. Students will learn both the theory and practice of successful design, development and implementation of databases. Prerequisites: BA 4327.	Course number changed from ISQA 415, description changed
Fall 2021	M	BTA	418	Client-Server Application Development	Provides an introduction to client server application development with emphasis on the client. Topics include graphical user interface development, event-driven programming, and rapid application development tools. Students will participate in the development of projects using programming languages such as Visual Basic. Prerequisite: ISQA 360.	Course number changed from ISQA 418
Fall 2021	M	BTA	419	Business Analytics with Programming	Introduces structured design and programming in order to solve business problems. Through hands-on development using Python programming language, students learn fundamental concepts and implementations of programming relevant to business today. Students will be 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 understanding of business people who manage or work with software developers and programmers. The course focuses on developing skills relevant to the design and development of interactive business analytics using Python. Students will learn how to use the principles of programming, especially in Python to develop applications for business. Prerequisite: BA 327.	Course number changed from ISQA 419, title changed from Application Development, and description changed

Fall 2021	M	BTA	420	Systems Analysis and Design	4	Introduces the foundations of systems analysis and design (SAD). It examines the scope and organization of the systems development process and the role of the systems development professional. Topics include system requirements, system analysis, process and data modeling, implementation, and project management, as well as systems analyst skills and competencies. Standard system analysis methods and techniques will be presented and applied. Designed to give you a generalized, portable, and adaptable understanding of the standard SAD methodology. The purpose of the course is to prepare you, as a business professional, to [1] understand how SAD techniques are applied in solving business problems, and [2] communicate effectively with information-technology professionals on SAD-related issues. Prerequisites: BTA 415 and BTA 419.	Course number changed from ISQA 420 and description changed
Fall 2021	M	BTA	424	LAN Management	4	Hands-on introduction to the administration of client/server-based local area networks addressing both conceptual and operational aspects of network operating system management and client operating system configuration. Topics include: design and implementation of network directory services and file systems; network security, backup, and recovery; the implementation and control of distributed print services; user access management and environment automation; and remote workstation management. Prerequisites: BTA 380.	Course number changed from ISQA 424
Fall 2021	M	BTA	426	Introduction to Decision Technologies	4	Provides an introduction to the technologies used in aiding decision making in organizations. In addition to the theoretical aspects of decision support, the course exposes students to current technologies. Topics include: human decision making; database technologies for decision support; statistical, analytical, and artificial-intelligence models for decision support; data mining; and on-line analytical processing. Prerequisite: BTA 415.	Course number changed from ISQA 426
Fall 2021	M	BTA	428	Data 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 brokering; and the legal, ethical, and social implications of data-driven environments. Prerequisites: BTA 420.	Course number changed from ISQA 428 and title changed from Privacy, Security and Ethics
Fall 2021	M	BTA	436	Advanced Database Administration	4	Advanced study of data environments, data modeling techniques, database design, query processing, and optimization. Emphasis will be placed on client-server architecture and data environments such as Oracle and SQL Server. Students will participate in database design projects. Other topics will include industry trends and opportunities, and database administration. Prerequisite: BTA 415.	Course number changed from ISQA 436
Fall 2021	M	BTA	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 BTA 581 and may be taken only once for credit. Prerequisite: Blockchain Primer.	Course number changed from ISQA 481
Fall 2021	M	BTA	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 graduate-level credit as BTA 582 and may be taken only once for credit. Prerequisite: Blockchain Primer.	Course number changed from ISQA 482
Fall 2021	M	BTA	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 identity. Also offered for graduate-level credit as BTA 583 and may be taken only once for credit. Prerequisite: Blockchain Primer.	Course number changed from ISQA 483
Fall 2021	M	BTA	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 BTA 584 and may be taken only once for credit. Prerequisite: Blockchain Primer.	Course number changed from ISQA 484
Fall 2021	M	BTA	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 BTA 585 and may be taken only once for credit. Prerequisite: This course is part of the Business Blockchain Certificate. All students must complete the Blockchain Primer before registering for this course.	Course number changed from ISQA 485
Fall 2021	M	BTA	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 BTA 586 and may be taken only once for credit. Prerequisite: This course is part of the Business Blockchain Certificate. All students are expected to complete the Blockchain Primer before registering for this course.	Course number changed from ISQA 486
Fall 2021	M	BTA	513	Business Decision Tools for Managers	2	This course builds directly from the on-line Essentials of Business Decision Tools completed prior to admission to the MBA+ program. Students will gain an in-depth understanding of the fundamental theories, concepts, and principles of quantitative analysis. Topics covered include estimation, hypothesis testing, ANOVA and regression analysis. Prerequisites: Pre-stats online module.	Course number changed from ISQA 513
Fall 2021	M	BTA	514	Survey Research Techniques	1	Focus on business applications for designing, administering and analyzing a survey, such as for market research. This section will build directly from coursework in Mktg 511, Mktg 512 and BTA 513. Prerequisites: BTA 513.	Course number changed from ISQA 514
Fall 2021	M	BTA	515	Series and Forecasting Techniques	1	Focus on business applications that incorporate Time Series and Forecasting Techniques, including multiple regression procedures. This section will build directly from coursework in Fin 513 and BTA 513. Prerequisites: BTA 513	Course number changed from ISQA 515
Fall 2021	M	BTA	516	Multiple Regression with Business Applications	3	Presents some linear model building and evaluation techniques using multiple regression. The course is organized around applications to understand related and potentially causal factors in a management context with implications for management decision making. The goal is to construct and interpret regression models according to specified predictor variables that contribute to predicting the unknown value of the response variable of interest. Students who do not have familiarity with basic statistical analyses will be given access to a primer.	Course number changed from ISQA 516
Fall 2021	M	BTA	518	Electronic Commerce	3	Survey of technologies and technological applications to conduct business electronically today and in the future. Students will learn about electronic data interchange, the role of technology in electronic markets, the Internet, and the organizational impact of these technologies. Internet based technologies will be presented and used.	Course number changed from ISQA 518
Fall 2021	M	BTA	519	Managerial Analytics	4	Introduction to the role of "big data analytics" related to strategic decision making. Exploration of concepts fundamental to analytics programs, including data-driven decision making, interpreting and gaining insight from structured data, effective communication of strategic decisions, and managing an analytics team.	Course number changed from ISQA 519
Fall 2021	M	BTA	520	Introduction to Business Intelligence and Analytics	4	An overview on leveraging data resources to develop and deploy business strategies to enhance their decision-making capabilities so organizations can gain and sustain a competitive advantage. Specifically, the course shows how to discover subtle patterns and associations from business data and develop and deploy predictive, clustering, and market basket models to optimize decision-making throughout organization.	Course number changed from ISQA 520
Fall 2021	M	BTA	521	Data Visualization	2	An essential component of Business Intelligence / Analytics is data visualization. This course prepares students to generate data visualizations with several standard software applications in analytics, and to interpret and communicate the results to an organization's decision makers. Prerequisite: BTA 520.	Course number changed from ISQA 521
Fall 2021	M	BTA	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 will expand their skills using R to accomplish applied analyses with business data.	Course number changed from ISQA 522

Fall 2021	M	BTA	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 control. Students will learn basic machine learning models and understand how such models can contribute to business success.	Course number changed from ISQA 523
Fall 2021	M	BTA	581	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 undergraduate-level credit as BTA 481 and may be taken only once for credit. Prerequisite: Blockchain Primer.	Course number changed from ISQA 581
Fall 2021	M	BTA	582	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 undergraduate-level credit as BTA 482 and may be taken only once for credit. Prerequisite: Blockchain Primer.	Course number changed from ISQA 582
Fall 2021	M	BTA	583	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 identity. Also offered for undergraduate-level credit as BTA 483 and may be taken only once for credit. Prerequisite: Blockchain Primer.	Course number changed from ISQA 583
Fall 2021	M	BTA	584	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 undergraduate-level credit as BTA 484 and may be taken only once for credit. Prerequisite: Blockchain Primer.	Course number changed from ISQA 584
Fall 2021	M	BTA	585	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 undergraduate-level credit as BTA 485 and may be taken only once for credit. Prerequisite: This course is part of the Business Blockchain Certificate. All students must complete the Blockchain Primer before registering for this course.	Course number changed from ISQA 585
Fall 2021	M	BTA	586	Emerging Topics in Blockchain	2	This course explores current and future blockchain innovations and resources available for learning about blockchain developments. Also offered for undergraduate-level credit as BTA 486 and may be taken only once for credit. Prerequisite: This course is part of the Business Blockchain Certificate. All students are expected to complete the Blockchain Primer before registering for this course.	Course number changed from ISQA 586
Fall 2021	M	BTA	581S	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 undergraduate-level credit as BTA 481 and may be taken only once for credit. Prerequisite: Blockchain Primer.	Course number changed from ISQA 581S
Fall 2021	M	BTA	582S	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 undergraduate-level credit as BTA 482 and may be taken only once for credit. Prerequisite: Blockchain Primer.	Course number changed from ISQA 582S
Fall 2021	M	BTA	583S	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 identity. Also offered for undergraduate-level credit as BTA 483 and may be taken only once for credit. Prerequisite: Blockchain Primer.	Course number changed from ISQA 583S
Fall 2021	M	BTA	584S	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 undergraduate-level credit as ISQA 484 and may be taken only once for credit. Prerequisite: Blockchain Primer.	Course number changed from ISQA 584S
Fall 2021	M	BTA	585S	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 undergraduate-level credit as BTA 485 and may be taken only once for credit. Prerequisite: This course is part of the Business Blockchain Certificate. All students must complete the Blockchain Primer before registering for this course.	Course number changed from ISQA 585S
Fall 2021	M	BTA	586S	Emerging Topics in Blockchain	2	This course explores current and future blockchain innovations and resources available for learning about blockchain developments. Also offered for undergraduate-level credit as BTA 486 and may be taken only once for credit. Prerequisite: This course is part of the Business Blockchain Certificate. All students are expected to complete the Blockchain Primer before registering for this course.	Course number changed from ISQA 586S
Fall 2021	N	CCJ	305	Juvenile Justice Reform	4	Modern approaches, evolving issues, and best practices for juvenile delinquency prevention and juvenile justice reform are the focus of the course. Students explore identifiers of "at-risk" youths, and the role disproportionate minority contact, poverty, trauma, mental health disorders, and physical or intellectual disabilities play in affecting the behavior of juveniles. Examination of past practices like the "school to prison pipeline" phenomenon that have disproportionately impacted youth from communities of color are critiqued and contrasted with more efficacious and equitable approaches.	
Fall 2021	M	CCJ	375	Global Perspectives on Crime and Justice	4	An exploration of international criminal justice systems that compares and contrasts the general features and cultural foundations of criminal justice procedures and institutions in different countries throughout the world.	Course number changed from CCJ 450 and title changed from Comparative Perspective of Criminal Justice
Fall 2021	M	CCJ	450	Global Perspectives on Crime and Justice	4	An exploration of international criminal justice systems that compares and contrasts the general features and cultural foundations of criminal justice procedures and institutions in different countries throughout the world.	Course number changed to CCJ 375 and title changed from Comparative Perspective of Criminal Justice
Fall 2021	N	CCJ	512	Institutions of the Criminal Justice System	3	Introduces students to the complex relationship between the three formal institutions (police, courts, and corrections), how their agents work to achieve various goals, and the multifaceted impact of such efforts.	
Fall 2021	N	CCJ	513	Professional Orientation in Criminology and Criminal Justice	3	Designed for development of graduate-level writing proficiency and a general orientation to the discipline. Through lectures, discussion, workshops, and practical application students will refine grammar, conventions, organization, citations, and research expertise. Students will also be introduced to the Criminal Justice Department faculty and their particular research interests. Finally, the students will be oriented to the ways in which the discipline is organized and how specific sub-areas fit together.	
Fall 2021	M	CCJ	515	Theories of Crime and Justice	3	An overview of historical, sociological, biological, psychological, economic, and Marxist theories of crime causation. Particular attention is given to analyzing each theory presented in terms of its internal consistency and logic as well as its fit with data on crime, criminals, and victims. Students will have to test the effectiveness of these individual theories through the research literature available in the criminal justice literature. Policy and programmatic implications stemming from these theories and what the research literature indicates will be discussed in class. Also offered as CCJ 615 and may be taken only once for credit.	Credit hours changed from 4 credits to 3 credits
Fall 2021	M	CCJ	520	Analysis of Crime and Justice Data	3	An applied approach to the analysis of criminal justice data. Includes an overview of the collection, storage, and retrieval of data from various sources (e.g., police, courts, corrections). Basic techniques commonly used to analyze and present criminal justice data are covered with an emphasis on the use of empirical findings to solve problems and develop policy. Advanced statistical procedures introduced. Also offered as CCJ 620 and may be taken only once for credit.	Credit hours changed from 4 credits to 3 credits and removed P/NP as a grading option.
Fall 2021	N	CCJ	521	Advanced Regression in Criminology & Criminal Justice	3	An applied approach designed to give you a comprehensive overview of the analysis of criminal justice data using some of the most commonly used regression techniques utilized by criminology and criminal justice researchers. This course introduces a number of useful statistical models that move beyond standard linear regression. Among the topics covered are logit and probit models for both binary and ordinal dependent variables, event count models, mixed models including HLM and panel models, factor analysis, and structural equation modeling in the context of CCJ data. Prerequisite: CCJ 520.	

Fall 2021	M	CCJ	525	Criminal Justice Theory	3	This course introduces students to the theoretical work on criminal justice process, decision-making, and discretion using multiple disciplinary perspectives. Topics discussed include examination of the stages of the justice process and theoretical approaches to studying individual, organizational, system, and political behavior. Emphasis is placed on the practical utilization of theory to inform development of research problems. Also offered as CCJ 625 and may be taken only once for credit.	Credit hours changed from 4 credits to 3 credits
Fall 2021	M	CCJ	530	Criminal Justice Research	3	The purpose of the course is to familiarize students with typical research methods used in the study of criminology and criminal justice along with their resulting databases. This knowledge base will be used as a foundation upon which to teach students how to critically research in criminology and criminal justice. Expected preparation: CCJ 520. Also offered as CCJ 630 and may be taken only once for credit.	Credit hours changed from 4 credits to 3 credits
Fall 2021	M	CCJ	535	Criminal Justice Policy	3	An advanced course in criminal justice policy analysis. Course examines the development, implementation, and outcomes of interventions designed to impact crime and the criminal justice system. Theories of criminal justice intervention will be studied across multiple levels: individual, organizational, community, and system. Emphasis is placed on the utilization of research findings to inform criminal justice policy and future research. Expected preparation: CCJ 520 and CCJ 530. Also offered as CCJ 635 and may be taken only once for credit.	Credit hours changed from 4 credits to 3 credits
Fall 2021	M	CCJ	540	Legal Perspective of Criminal Justice	3	An advanced course that examines the legal environment within which the criminal and quasi-criminal justice systems function, with particular emphasis on philosophical and procedural issues related to deprivation of liberty decisions. Also offered as CCJ 640 and may be taken only once for credit.	Credit hours changed from 4 credits to 3 credits
Fall 2021	M	CCJ	545	Advanced Topics in Research Methods	3	Advanced training in select research methodologies practiced in criminology and criminal justice. Topics may include, but are not limited to; survey methods, field methods, advanced statistics, advanced crime analysis, content and document analysis, evaluation research, secondary data analysis, and interviews. Topics will vary yearly. May be repeated once. Prerequisites: CCJ 520 and CCJ 530. Also offered as CCJ 645.	Credit hours changed from 4 credits to 3 credits
Fall 2021	N	CCJ	552	Crime, Space and Time	3	Crime is a rare event, concentrating in both space, and time. In Crime, Space and Time, we will introduce, critically examine, and apply the criminological theories that help us to understand why crimes concentrate where and when they do. Designed for the beginning crime analyst, this course provides students with the theoretical foundations of spatial-temporal criminology needed in order to develop practical and applied skills within the field. Students will learn about the interconnections between spatial-temporal theories of crime, and applied crime analysis.	
Fall 2021	N	CCJ	555	Crime Mapping	3	Mapped information has become an important part of daily urban life. Maps are also increasingly used within policing environments to display and disseminate information about crime patterns, to identify crime concentrations, and to analyze existing or projected crime hotspots. In Crime Mapping, students will be introduced to spatial crime analysis and Geographic Information Systems (GIS). Students learn essential principles of cartography and geography, as these fields apply to crime analysis. Participants learn how to collect, clean, geocode, analyze and present spatial crime data.	
Fall 2021	M	CCJ	580	Community-based Treatment of Offenders	3	An analysis of the history, philosophy, theory, and function of probation, parole, pardon, halfway houses, work release centers, and other forms of community-based treatment; evaluation of the effectiveness of treatment of the offender in the community; contemporary usage of the presentence investigation report, selection, supervision, and release of probationers and parolees; exploration of current innovations in corrections such as use of volunteers and offenders as correctional manpower resources.	Credit hours changed from 4 credits to 3 credits
Fall 2021	M	CCJ	615	Theories of Crime and Justice	3	An overview of historical, sociological, biological, psychological, economic, and Marxist theories of crime causation. Particular attention is given to analyzing each theory presented in terms of its internal consistency and logic as well as its fit with data on crime, criminals, and victims. Students will have to test the effectiveness of these individual theories through the research literature available in the criminal justice literature. Policy and programmatic implications stemming from these theories and what the research literature indicates will be discussed in class. Also offered as CCJ 515 and may be taken only once for credit.	Credit hours changed from 4 credits to 3 credits
Fall 2021	M	CCJ	620	Analysis of Crime and Justice Data	3	An applied approach to the analysis of criminal justice data. Includes an overview of the collection, storage, and retrieval of data from various sources (e.g., police, courts, corrections). Basic techniques commonly used to analyze and present criminal justice data are covered with an emphasis on the use of empirical findings to solve problems and develop policy. Advanced statistical procedures introduced. Also offered as CCJ 520 and may be taken only once for credit.	Credit hours changed from 4 credits to 3 credits
Fall 2021	M	CCJ	625	Criminal Justice Theory	3	This course introduces students to the theoretical work on criminal justice process, decision-making, and discretion using multiple disciplinary perspectives. Topics discussed include examination of the stages of the justice process and theoretical approaches to studying individual, organizational, system, and political behavior. Emphasis is placed on the practical utilization of theory to inform development of research problems. Also offered as CCJ 525 and may be taken only once for credit.	Credit hours changed from 4 credits to 3 credits
Fall 2021	M	CCJ	630	Criminal Justice Research	3	The purpose of the course is to familiarize students with typical research methods used in the study of criminology and criminal justice along with their resulting databases. This knowledge base will be used as a foundation upon which to teach students how to critically research in criminology and criminal justice. Expected preparation: CCJ 620. Also offered as CCJ 530 and may be taken only once for credit.	Credit hours changed from 4 credits to 3 credits
Fall 2021	M	CCJ	635	Criminal Justice Policy	3	An advanced course in criminal justice policy analysis. Course examines the development, implementation, and outcomes of interventions designed to impact crime and the criminal justice system. Theories of criminal justice intervention will be studied across multiple levels: individual, organizational, community, and system. Emphasis is placed on the utilization of research findings to inform criminal justice policy and future research. Expected preparation: CCJ 620 and CCJ 630. Also offered as CCJ 535 and may be taken only once for credit.	Credit hours changed from 4 credits to 3 credits
Fall 2021	M	CCJ	640	Legal Perspective of Criminal Justice	3	An advanced course that examines the legal environment within which the criminal and quasi-criminal justice systems function, with particular emphasis on philosophical and procedural issues related to deprivation of liberty decisions. Also offered as CCJ 540 and may be taken only once for credit.	Credit hours changed from 4 credits to 3 credits
Fall 2021	M	CCJ	645	Advanced Topics in Research Methods	3	Advanced training in select research methodologies practiced in criminology and criminal justice. Topics may include, but are not limited to; survey methods, field methods, advanced statistics, advanced crime analysis, content and document analysis, evaluation research, secondary data analysis, and interviews. Topics will vary yearly. May be repeated once. Prerequisites: CCJ 520 and CCJ 530. Also offered as CCJ 545.	Credit hours changed from 4 credits to 3 credits
Fall 2021	M	CCJ	325U	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 concerns. Throughout this course, we use our own routines and experiences to understand how environmental crime theories apply within our own lives.	Course number changed from CCJ 325 due to junior cluster designation

Fall 2021	M	CCJ	390U	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 public trust. Final course section covers law, regulating, policing, prosecuting, adjudicating, and responding to challenges of white collar crime.	Course number changed from CCJ 390 due to junior cluster designation
Fall 2021	M	CE	324	Elementary Structural Analysis	4	Loads on structures as dictated in various codes and specification; load flow through a structural system and tributary areas; methods of analysis of statistically determinate planar trusses, beams, and frames; concepts of stability and indeterminacy; axial, shear, and bending moment; calculations of displacements and rotations by virtual work, Castigliano's theorem for trusses, beams and frames; computer analysis of structures using an existing commercial program. Prerequisites: Completion of EAS 212 and Mth 261 with a C or better.	Prerequisites
Fall 2021	D	CE	453	Freight Transportation and Logistics	4		
Fall 2021	D	CE	463	Transportation and Logistics Optimization and Modeling	4		
Fall 2021	M	CE	484	Civil & Environmental Engineering Project Management and Design I	3	Engineering design process including owner design, professional-constructor relationships, procurement procedures, project evolution, contracts, dispute resolution, bonds, warranties; construction documents, including specifications; cost estimating, planning, and scheduling; construction administration; group process, diversity, and leadership. Two lectures, one 3-hour design project laboratory period. CBL course. Prerequisites: CE students: Completion of, at minimum, two of the following courses: CE 364, CE 450 (or CE 458, or CE 459, or CE 462, or CE 493), CE 432 (or CE 434), CE 444; ENVE students: Completion of, at minimum, two of the following: CE 474, CE 345, CE 364.	Prerequisites
Fall 2021	M	CE	543	Introduction To Geotechnical Earthquake Engineering	4	Introduces basics of geotechnical earthquake engineering. Topics include earthquake characteristics, attenuation relationships, fundamentals of soil liquefaction, semi-empirical procedures for liquefaction triggering assessment for cohesionless soils, consequences of liquefaction, cyclic softening of cohesive soils, liquefaction mitigation techniques, and current research on liquefaction modeling. Also offered for undergraduate-level credit as CE 443 and may be taken only once for credit. Prerequisite: Graduate standing.	Title changed from Introduction To Seismology And Site Evaluation, description, prerequisites
Fall 2021	M	CE	553	Freight Transportation and Logistics	4	Study of freight transportation and logistics systems and their modeling, planning, design and operation. Focus on urban freight and city logistics and their connections to planning, land use, and urban design. Discussion and analysis of the impacts of freight and logistics on the transportation system and the economy, equity, emissions, and sustainability. Roles of public and private actors in freight logistics systems.	Description and removal from dual-level cross-listing
Fall 2021	M	CE	563	Transportation and Logistics Optimization and Modeling	4	Introduces students to mathematical modeling techniques including linear and non-linear programming, duality, Lagrangian, quadratic and geometric models, integer programming, basic network models and their application to transportation and logistics systems/problems. The focus is on model formulation, complexity analysis, and the utilization of software to obtain solutions and analyze system properties. The concepts taught in this course focus on civil engineering systems/ applications with an emphasis on transportation and logistics problems. Prerequisite: Graduate standing.	Description and removal from dual-level cross-listing
Fall 2021	N	CFS	360	Critical Disability: Impacts on Children, Youth, & Families	4	Focuses on the social, historical, and cultural constructions and contexts of disability in the U.S. Through the lens of critical disability studies, examines how power relationships and discourse function in the lives of people with and without disabilities, and the structures and policies that empower these discourses. Emphasizes intersections of disability with other identities and positionalities (gender, sexuality, race, class, etc.). Impacts of disability discourses and structures on children, youth, and families will be examined. Prerequisite: Upper-division standing.	
Fall 2021	N	ChLa	360	Bilingualism in U.S. Latinx Communities	4	Due to the constant contact between English and Spanish in the U.S., a natural bilingual context flourishes in which new linguistic innovations emerge. Even though these two languages coexist, the political, economic, and social capital that English represents accords it a dominant status over Spanish. From an interdisciplinary perspective, this course critically analyzes Spanish-English bilingualism through sociohistorical, sociopolitical, and sociocultural lenses with the goal of dismantling monolingual ideologies and empowering speakers of multilingual discourses.	
Fall 2021	M	Comm	319	Social Media	4	This course provides students with a deeper understanding of social media and its role in identity/personality, close and less close relationships, and societal change.	Prerequisites
Fall 2021	N	Comm	327	Environmental Campaigns	4	Introduction to the principles of environmental communication and environmental campaigns. Students will improve their environmental literacy, learn to communicate about the environment with different audiences, and develop the skills necessary to be a professional environmental communicator. The skills developed in this class will transfer to a variety of communication-related careers.	
Fall 2021	N	Comm	342	Media and Cultural Industries	4	An overview of the mass media & cultural industries. Students will examine a range of issues, such as the institutional, social and technological histories of media and cultural industries, the influence of economic factors in shaping content, and issues governing regulatory policy. Special emphasis will be given to media's role in society, the concentration of ownership, the impact of new communication technologies, and increasing convergence of particular media with one another.	
Fall 2021	M	Comm	416	Communicating Environmental Controversies	4	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 within the United States. The goal of this course is to support students in becoming sophisticated consumers and producers of environmental communication. Also offered for graduate-level credit as Comm 516 and may be taken only once for credit. Prerequisite: Upper division standing.	Adding 500-level cross-listing
Fall 2021	N	Comm	442	Sport, Media and Culture	4	An in depth examination of the interrelationship between sports and media in contemporary (western) society, and how that interrelationship reinforces social values, sometimes challenges social norms, and draws on the cultural identification of class, race, and gender to identify sports values with cultural values. Drawing on theories of political economy, media studies, and cultural studies, we will examine media's role in telling the story of sports and, in telling that story, shaping and reinforcing cultural values and developing material impacts on peoples' lives. Prerequisite: Upper-division standing.	
Fall 2021	N	Comm	516	Communicating Environmental Controversies	4	With a special emphasis on environmental extremes and controversies, this course explores how everyday 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 makeup of environmental controversies, and the different factors that shape public opinion on those controversies within the United States. The goal of this course is to support students in becoming sophisticated consumers and producers of environmental communication. Expected prep: Comm 300, Comm 311. Also offered for undergraduate-level credit as Comm 416 and may be taken only once for credit.	
Fall 2021	N	CR	315	Divided America	4	Through case studies drawn from US culture and politics, students will learn how conflict resolution strategies can soften divisions between people and gain allies for social betterment and moral improvement.	

Fall 2021	N	CR	449	Intro to Holocaust and Genocide Studies	Introduction to Holocaust and Genocide Studies presents the historical context of the Holocaust, including timelines and events, as a means to understand how the definitions and understandings of genocide and atrocity have developed in response. Diverse stories of subsequent atrocities will be presented, and students will have the opportunity to draw parallels between the past and current events in the world, enhancing a robust and complex understanding of genocide. We will focus on genocide prevention, offering models of successful prevention noting key precursors to genocide/atrocities. Also offered for graduate-level credit as CR 549 and may be taken only once for credit. Prerequisite: CR 301U, Hst 380U, JSt 4380U, or BSt 214.	
Fall 2021	N	CR	549	Intro to Holocaust and Genocide Studies	Introduction to Holocaust and Genocide Studies presents the historical context of the Holocaust, including timelines and events, as a means to understand how the definitions and understandings of genocide and atrocity have developed in response. Diverse stories of subsequent atrocities will be presented, and students will have the opportunity to draw parallels between the past and current events in the world, enhancing a robust and complex understanding of genocide. We will focus on genocide prevention, offering models of successful prevention noting key precursors to genocide/atrocities. Also offered for undergraduate-level credit as CR 449 and may be taken only once for credit.	
Fall 2021	N	CR	550	Holocaust and Genocide/Atrocity Prevention Synthesis	Students will have the opportunity to integrate their certificate learning into a project that prepares them to apply knowledge in their works as educators, activists, policy makers, social justice advocates, and/or ngo/international-development workers. This course will be run as a one-term seminar, inviting students into conversation with one another about their research interests, and/or their career goals that incorporate learning from coursework. This course may be taken for credit up to two times. 4 Prerequisite: CR 546, GRN 520, and 8 approved elective credits.	
Fall 2021	M	CS	250	Discrete Structures I	Introduces discrete structures and techniques for computing. Sets. Graphs and trees. Functions: properties, recursive definitions. Relations: properties, equivalence, partial order. Proof techniques, inductive proof. Counting techniques and discrete probability. Prerequisite: CS 161 or CS 162, and Mth 251.	Description and prerequisites
Fall 2021	M	CS	469	Software Engineering Capstone I	Emphasizes teamwork on a substantial project that will be developed for a real customer. The course integrates the knowledge and skills from the rest of the CS curriculum. This course creates an obligation for participation for two consecutive quarters. This is the first course in a sequence of two CS 469, CS 470 and must be taken in sequence. Offered as P/NP only. Prerequisites: CS 300, CS 320, CS 333, CS 350 and at least one 3 Programming intensive course.	Prerequisites
Fall 2021	M	Des	120	Digital Graphics	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 technologies. Creative projects and exercises assist in developing fluency in computer graphics applications.	Title changed from Digital Design
Fall 2021	M	Des	121	Introduction to Type and Design Principles	Introduction to typography and design principles. Methods, strategies and processes for thinking creatively are investigated through execution in both typography and design principles. Emphasis is placed on projects that address design principles, materials and tools. Prerequisite: Des 120 4 (concurrent enrollment is permissible).	Title changed from Introduction to Type and Communication Design and change description
Fall 2021	M	Des	125	Show and Tell	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 series of guest lectures and field trips. This course may be repeated for credit four times.	Change repeatability
Fall 2021	M	Des	200	Digital Page Design I	Studio course introducing single and multi-page document design. Projects embody the entire process of creating a publication from concept, through compositional and typographic skills, clear use of hierarchy, and pre-press. Emphasis is placed on work-flow and project management for production of documents in print and electronic media. 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). The ideal sequence for design majors is to take Des 200 and 210 before taking Des 224, 225, 254. Open to non-majors with instructor's consent. 4 Prerequisite: Des 120.	Description
Fall 2021	M	Des	210	Digital Imaging and Illustration I	Studio course in digital image creation with an emphasis on raster and vector-based illustration. Hybrid illustration techniques of mixing handmade work with digital imagery and photography may also be explored. Basic ways in which form communicates meaning are parsed and explored. This course requires that students furnish a laptop computer that meets the departmental standards for hardware and software. See departmental site for requirements. The ideal sequence for design majors is to take Des 200 and 210 before taking Des 224, 225, 254. Prerequisite: Des 120.	Description
Fall 2021	M	Des	224	Storytelling and Narrative	The theme for this course is narrative structures relating to printed matter and motion. Projects explore visual languages, storytelling, storyboards and the visual essay. Problem solving, idea generation, typography, point of view, conceptual thinking and composition are reinforced. Critical readings, group and individual critiques, and written assignments support visual design exploration. Prerequisites: Des 121 and Art 121 (20) or Art 100 and Art 120.	Change title from Narrative and Communication Design
Fall 2021	M	Des	225	Design Systems	Introduction to design systems, specifically relating to branding and data visualization. Students develop strong conceptual solutions and systems for managing projects with large amounts of information and branding applications. Emphasis is placed on the expansion of a strong design process and a continuing to develop a personal visual language. Theoretical approaches, critical readings, group and individual critiques, and written assignments support visual design exploration. Restricted to Graphic Design majors, and Graphic Design and Design Management minors. Prerequisite: Des 224.	Change title from Communication Design Systems and change description
Fall 2021	M	Des	300	Digital Page Design II	Studio course with an emphasis on typographic grids and systems for presenting messages in sequence over multiple pages or screens. Industry standards for design, digital pre-press 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). Prerequisite: (Des 200, Des 210, Des 225 and Des 254) or formal acceptance into the third year by Sophomore Portfolio Review.	Description
Fall 2021	M	Des	310	Digital Imaging and Illustration II	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). Prerequisite: (Des 200, Des 210, Des 225 and Des 254) or formal acceptance into the third year by Sophomore Portfolio Review.	Description
Fall 2021	M	Des	320	Information Design	A sequence focusing on concept development and solutions for communication design problems. History, theoretical approaches, ethical design concerns, critical readings, group and individual critiques, and written assignments support visual design exploration. Des 320: Focus is placed on narrative structures, information design and data visualization. These courses require that students furnish a laptop computer that meets the departmental standards in terms of hardware and software (see departmental website for requirements). This is the first course in a sequence of two: Des 320 and Des 321. Prerequisites: Formal acceptance into the third year by Sophomore Portfolio Review.	Description
Fall 2021	M	Des	321	Brand Lab	A sequence focusing on concept development and solutions for communication design problems. History, theoretical approaches, ethical design concerns, critical readings, group and individual critiques, and written assignments support visual design exploration. DES 321: Projects focus on solving complex communication design problems, identity design and branding. This is the second course in a sequence of two: DES 320 and DES 321. Prerequisite: Des 320.	Description

Fall 2021	N	Des	343	Creative Coding	4	Studio course exploring code-based approaches for creative projects including generative design and interactivity. Students will work primarily with the open source programming language Processing but will also be exposed to other programming languages and tools. No previous coding experience is required. Prerequisite: (Des 200, Des 210, Des 225 and Des 254); OR formal acceptance into the third year by Sophomore Portfolio Review.	
Fall 2021	M	Des	354	Typography II	4	The second course in a sequence on typography. An emphasis is placed on developing strong conceptual solutions for complex typographic communication design problems. Continued emphasis is placed on understanding typography within historical and contemporary contexts. Projects may include multiple page/screen formats, such as books, editorial design, campaigns, motion, identity, and websites. 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). Prerequisites: Formal acceptance into the third year of the graphic design program by Sophomore Portfolio Review.	Description
Fall 2021	M	Des	367	Design Business Practices	4	Introduction to team-based problem-solving practices in communication design. Projects include hypothetical projects or case studies related to 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, collaboration, and team dynamics. May be taken twice for credit. Maximum 8 credits. Open to non-majors with instructor's consent. Prerequisites: For non-majors: Des 224, and Des 290/Des 302U. For Design majors, Des 200, Des 210, Des 225 and Des 254.	Description
Fall 2021	M	Des	472	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 course for all majors in design. Prerequisites: Des 321, Des 340, Des 354, Des 470, and senior status in the major.	Change title from Communication Design Portfolio
Fall 2021	M	Des	302U	Design is Everywhere	4	Explores the work of designers and their work in every part of our lives, often invisibly. Shows how designers identify problems, engage with audiences to discover their needs, and craft appropriate solutions by exploring how design thinking strategies can be applied to real-world scenarios through collaborative, project-based experimentation, readings offering perspectives on designers and design topics, and critiques of design solutions. Course is open to all students, but Graphic Design majors cannot take this course for cluster credit. Prerequisite: Upper-division standing.	Description
Fall 2021	M	EAS	211	Statics	4	Principles and applications of static equilibrium to structures and machines. Prerequisites: (must be passed with grade of "C" or better); Mth 252; Ph 211 or Ph 221 (may be taken concurrently with EAS 211). (Ph 211 or Ph 221 may be taken concurrently with EAS 211).	prerequisites
Fall 2021	M	EAS	212	Strength of Materials	4	Study of the relationship between strain and stress in deformable bodies; principles of stress analysis for axial force, flexure, torsion, and shear; studies in combined stresses and column stability. Prerequisites: (must be passed with grade of "C" or better); EAS 211; Ph 211 or Ph 221.	prerequisites
Fall 2021	M	EC	311	Microeconomic Theory	4	Theories of consumer behavior and demand, production and cost, the firm and market organization, strategic behavior, and functional income distribution. Course may not be taken for credit if taken after completion of, or concurrently with, EC 415. Prerequisite: Ec 201.	Description
Spring 2021	M	ECE	103	Engineering Programming	4	Introduction to software design, algorithms, data structures, and programming using the "C" language. Interfacing to sensors, actuators, and other hardware. Writing documentation and presenting technical content. Weekly lab. Expected preparation: ECE 102 Prerequisite: MTH 112 with a grade of C or better, or passing at the necessary level on the mathematics placement test (see PSU Math Department webpage at pdx.edu/math for information). Corequisite: ECE 103L.	Description and addition of a zero-credit, required lab section.
Fall 2021	M	ECE	317	Feedback and Control Systems	4	Control of continuous single-input/single-output linear systems using classical feedback techniques. Time and frequency domain analysis. Design in the s-plane and frequency domain. Use of time and frequency system identification techniques for developing plant models. Design of feedback compensators for steady-state error reduction, disturbance rejection, transient stability, and dynamic response. Prerequisite: ECE 223 and Mth 4256 (with a grade of C or better).	Change title from Signals and Systems III and change prerequisites
Fall 2021	D	ECE	465L	Digital Signal Processing	4		
Fall 2021	N	ECE	560	Assertion Based Verification	4	Exploration of practical approaches to functional verification of industrial scale RTL designs using assertions and formal verification tools. Topics include pre-silicon simulation and formal verification, System Verilog Assertions, and system verification problem solving approaches. Course will emphasize hands on experience writing assertions and using formal verification techniques. Familiarity with computer architecture and hardware description languages is recommended. Prerequisite: Graduate standing in ECE or permission of instructor.	
Fall 2021	M	ECE	584	Foundations of Cyber-Physical Systems	4	Introduction to the design of microcontroller based embedded systems. Focus is on embedded systems where design seamlessly integrates computational resources with physical systems. Topics covered include sampling theory, sensor/actuator interfacing, real-time and fault-tolerant embedded system design. Basics of wireless sensor networks. Modeling and formal verification techniques. Prerequisite: Graduate standing.	Course prefix and number changed from EE 560
Spring 2021	N	ECE	103L	Lab for ECE 103	0	Lab for ECE 103.	
Fall 2021	D	ECE	465L	Lab for ECE 465	0		
Fall 2021	N	ECED	424	Creating Communities: Guiding Young Children	2	Students focus on fostering children's sense of belonging through the course by examining four central themes: framing community, supporting emerging identities, establishing a classroom culture, and developing problem-solving strategies. Students will draw on social constructivist and critical perspectives in designing equitable classroom communities and in developing practical approaches as they guide children in their own learning. Also offered for graduate-level credit as ECED 524 and may be taken only once for credit. Prerequisite: Undergraduate early childhood education coursework or teaching experience with young children or instructor's approval.	
Fall 2021	N	ECED	425	Culture and Language in Early Childhood Families	3	Students construct a complex understanding of children and families in early childhood settings grounded in diverse cultural and political contexts. Students explore the role of theory in providing frameworks for understanding and interpreting child and family development in the early childhood classroom, including the identity development of immigrants and refugees. Explore the role of language acquisition from a strength-based perspective, including understanding the relationship between language and culture and bilingual development. Also offered for graduate-level credit as ECED 525 and may be taken only once for credit. Prerequisite: Undergraduate early childhood education coursework or teaching experience with young children or instructor's approval.	
Fall 2021	N	ECED	426	Mathematical Thinking in Early Childhood	3	Examine ideas and practices that help young children learn mathematics in diverse contexts. Students consider how mathematical ideas emerge from children's real-life experiences in cultural settings and how to support math acquisition through play. Reflect on and create activities that are grounded in research about children's development in numeracy and other math concepts. Explore how to nurture mathematical understanding through reflection, environmental design, the use of literature and games, and responsiveness to cultural diversity. Also offered for graduate-level credit as ECED 526 and may be taken only once for credit. Prerequisite: Undergraduate early childhood education coursework or mathematics coursework or teaching experience with young children or instructor's approval.	

Fall 2021	N	ECED	427	Inspirations in Early Childhood Education: The Reggio Emilia Approach	1	Explore educational inspirations central to the infant, toddler and preprimary schools of Reggio Emilia, Italy, and unpacks the implications of this cultural and political context. Through readings, video, and dialogue, examine core concepts including image of the child, the hundred languages of children, the atelier, the environment as third teacher, project work, pedagogical documentation, and the role of family and civic participation. Engage in in-depth exploration of an issue or topic of particular relevance. Also offered for graduate-level credit as ECED 527 and may be taken only once for credit. Prerequisite: Undergraduate early childhood education coursework or teaching experience with young children or instructor's approval.
Fall 2021	N	ECED	428	Educational Rights and Inclusive Environments in Early Childhood	3	Explores the collaborative bridge between the work of the early childhood classroom teacher and the intervention services needed to establish a truly inclusive classroom. Students will draw on social constructivist perspectives in developing classroom environments, pedagogy and curricula that ensure full access for all children and that recognize children's strengths and educational "rights" (not needs) in order to ensure equity. Also offered for graduate-level credit as ECED 528 and may be taken only once for credit. Prerequisite: Undergraduate early childhood education coursework or teaching experience with young children or instructor's approval.
Fall 2021	N	ECED	429	Art as Languages of Early Childhood	3	Consider children's engagement in artistic and representational processes as a means of co-constructing knowledge. Challenge the assumption that children's art is product-based and reframe the way we understand how the creative process contributes to learning and identity. Develop ways to facilitate creative expression and incorporate the arts into early childhood curriculum. Learn techniques for introducing children to drawing, painting, clay, wire, three-dimensional and digital media as tools for exploring ideas and creating theories. Also offered for graduate-level credit as ECED 529 and may be taken only once for credit. Prerequisite: Undergraduate early childhood education coursework or teaching experience with young children or instructor's approval.
Fall 2021	N	ECED	430	The Emotional Life of Toddlers	3	Explore diverse caregiving practices designed to support learning during the toddler years, a critical period of social and emotional development. Links are made between theories and brain development research to the activities that educators implement every day with toddlers. Topics include observing, establishing nurturing relationships, planning secure environments, designing learning experiences to engage and reflect very young children from diverse cultural contexts, and implementing positive guidance strategies to support emotional well-being and identity development. Also offered for graduate-level credit as ECED 530 and may be taken only once for credit. Prerequisite: Undergraduate early childhood education coursework or teaching experience with young children or instructor's approval.
Fall 2021	N	ECED	471	Play: Curriculum in Early Childhood Education	3	Inquiry into theory and research on play, including cultural contexts and meaning of play in early childhood. Develop a theoretical and working understanding of adult roles in the facilitation of play, including the role of development, culture, gender, and ability. Practice observation of children's play as a context for assessment and documentation. Review, develop, and implement curriculum with a focus on play in child-centered inclusive approaches that draw on children's diverse strengths and contexts. Also offered for graduate-level credit as ECED 571 and may be taken only once for credit. Prerequisite: Undergraduate early childhood education coursework or teaching experience with young children or instructor's approval.
Fall 2021	N	ECED	524	Creating Communities: Guiding Young Children	2	Students focus on fostering children's sense of belonging through the course by examining four central themes: framing community, supporting emerging identities, establishing a classroom culture, and developing problem-solving strategies. Students will draw on social constructivist and critical perspectives in designing equitable classroom communities and in developing practical approaches as they guide children in their own learning. Also offered for undergraduate-level credit as ECED 424 and may be taken only once for credit. Prerequisite: Undergraduate early childhood education coursework or teaching experience with young children or instructor's approval.
Fall 2021	N	ECED	525	Culture and Language in Early Childhood Families	3	Students construct a complex understanding of children and families in early childhood settings grounded in diverse cultural and political contexts. Students explore the role of theory in providing frameworks for understanding and interpreting child and family development in the early childhood classroom, including the identity development of immigrants and refugees. Explore the role of language acquisition from a strength-based perspective, including understanding the relationship between language and culture and bilingual development. Also offered for undergraduate-level credit as ECED 425 and may be taken only once for credit. Prerequisite: Undergraduate early childhood education coursework or teaching experience with young children or instructor's approval.
Fall 2021	N	ECED	526	Mathematical Thinking in Early Childhood	3	Examine ideas and practices that help young children learn mathematics in diverse contexts. Students consider how mathematical ideas emerge from children's real-life experiences in cultural settings and how to support math acquisition through play. Reflect on and create activities that are grounded in research about children's development in numeracy and other math concepts. Explore how to nurture mathematical understanding through reflection, environmental design, the use of literature and games, and responsiveness to cultural diversity. Also offered for undergraduate-level credit as ECED 426 and may be taken only once for credit.
Fall 2021	N	ECED	527	Inspirations in Early Childhood Education: The Reggio Emilia Approach	1	Explore educational inspirations central to the infant, toddler and preprimary schools of Reggio Emilia, Italy, and unpacks the implications of this cultural and political context. Through readings, video, and dialogue, examine core concepts including image of the child, the hundred languages of children, the atelier, the environment as third teacher, project work, pedagogical documentation, and the role of family and civic participation. Engage in in-depth exploration of an issue or topic of particular relevance. Also offered for undergraduate-level credit as ECED 427 and may be taken only once for credit.
Fall 2021	N	ECED	528	Educational Rights and Inclusive Environments in Early Childhood	3	Explores the collaborative bridge between the work of the early childhood classroom teacher and the intervention services needed to establish a truly inclusive classroom. Students will draw on social constructivist perspectives in developing classroom environments, pedagogy and curricula that ensure full access for all children and that recognize children's strengths and educational "rights" (not needs) in order to ensure equity. Also offered for undergraduate-level credit as ECED 428 and may be taken only once for credit. Prerequisite: Undergraduate early childhood education coursework or teaching experience with young children or instructor's approval.
Fall 2021	N	ECED	529	Art as Languages of Early Childhood	3	Consider children's engagement in artistic and representational processes as a means of co-constructing knowledge. Challenge the assumption that children's art is product-based and reframe the way we understand how the creative process contributes to learning and identity. Develop ways to facilitate creative expression and incorporate the arts into early childhood curriculum. Learn techniques for introducing children to drawing, painting, clay, wire, three-dimensional and digital media as tools for exploring ideas and creating theories. Also offered for undergraduate-level credit as ECED 429 and may be taken only once for credit.

Fall 2021	N	ECED	530	The Emotional Life of Toddlers	3	Explore diverse caregiving practices designed to support learning during the toddler years, a critical period of social and emotional development. Links are made between theories and brain development research to the activities that educators implement every day with toddlers. Topics include observing, establishing nurturing relationships, planning secure environments, designing learning experiences to engage and reflect very young children from diverse cultural contexts, and implementing positive guidance strategies to support emotional well-being and identity development. Also offered for undergraduate-level credit as ECED 430 and may be taken only once for credit. Prerequisite: Undergraduate early childhood education coursework or teaching experience with young children or instructor's approval.	
Fall 2021	M	ECED	571	Play: Curriculum in Early Childhood Education	3	Inquiry into theory and research on play, including cultural contexts and meaning of play in early childhood. Develop a theoretical and working understanding of adult roles in the facilitation of play, including the role of development, culture, gender, and ability. Practice observation of children's play as a context for assessment and documentation. Review, develop, and implement curriculum with a focus on play in child-centered inclusive approaches that draw on children's diverse strengths and contexts. Also offered for undergraduate-level credit as ECED 471 and may be taken only once for credit. Prerequisite: Undergraduate early childhood education coursework or teaching experience with young children.	Description and added to dual-level cross-listing.
Fall 2021	M	EE	560	Foundations of Cyber-Physical Systems	4	Introduction to the design of microcontroller based embedded systems. Focus is on embedded systems where design seamlessly integrates computational resources with physical systems. Topics covered include sampling theory, sensor/actuator interfacing, real-time and fault-tolerant embedded system design. Basics of wireless sensor networks. Modeling and formal verification techniques. Prerequisite: Graduate standing.	Course prefix and number changed to ECE 584
Fall 2021	N	ELP	418	Permaculture & Whole Systems Design: Principles and Practices for Sustainable Systems	4	Permaculture is the study and observation of ecosystems, integrated with insights and practices of diverse indigenous peoples, combined to create an ethical whole systems design process. This course explores permaculture and whole systems design principles in order to apply these concepts to the designing of sustainable systems. Learners will gain a firm understanding of permaculture principles and an ecological design process, and will apply this understanding to create holistic, just, and regenerative, educational designs. Also offered for graduate-level credit as ELP 518 and may be taken only once for credit. Prerequisite: Upper-division standing.	
Fall 2021	M	ELP	517	Ecological and Cultural Foundations of Learning	4	Explores what constitutes ecological and cultural ways of knowing and how teaching and learning can be informed by ecological principles. As we question dominant taken-for-granted paradigms, we will explore modalities of pedagogy that are relational, co-created, place-based, participatory, experiential, critical, contemplative, multisensory, transformative, storied, embodied, and more. Students create a teaching philosophy that reflects an understanding of ecological principles and sustainability pedagogy, and design and facilitate an effective teaching experience to apply their understanding.	Description
Fall 2021	N	ELP	518	Permaculture & Whole Systems Design: Principles and Practices for Sustainable Systems	4	Permaculture is the study and observation of ecosystems, integrated with insights and practices of diverse indigenous peoples, combined to create an ethical whole systems design process. This course explores permaculture and whole systems design principles in order to apply these concepts to the designing of sustainable systems. Learners will gain a firm understanding of permaculture principles and an ecological design process, and will apply this understanding to create holistic, just, and regenerative, educational designs. Also offered for undergraduate-level credit as ELP 418 and may be taken only once for credit.	
Fall 2021	M	ELP	519	Sustainability Education	4	Foregrounding urgency of climate change, this course explores theories and innovative practices of sustainability education in formal and informal settings. Participants critically assess earlier traditions such as nature education, environmental education, and outdoor education, as well as explore the intersections of indigenous, ecofeminist, and ecojustice perspectives on sustainability. Drawing upon global examples, the course promotes development of practitioners and scholars with proficiency, solutions-based knowledge, and tools to advance sustainability education in their own life/professional contexts.	Description
Fall 2021	M	ELP	548	Global Political Ecology	4	To study the connections between political, economic, social, and ecological issues, we explore the following themes: the impact of globalization on human and non-human communities; the relationship between poverty and environmental degradation; the distribution of resource use and commodification in the global North and global South; and our own relationships to food systems. Students apply these concepts through a multi-media study and presentation of a commodity in terms of its production, distribution and consumption.	Change title from Advanced Global Political Ecology and change description
Fall 2021	M	ELP	550	Leadership for Sustainability	4	Students review, analyze, and apply approaches to sustainability leadership through collaborative, holistic, experiential learning. Key themes explored include the meaning of sustainability leadership; approaches, strategies, and skills used by sustainability leaders; whole systems thinking and design; the role of eco-spiritual values and Traditional Ecological Knowledge (TEK) in sustainability leadership; and the importance of collaboration, creativity, relationships, and reflection. Students apply these concepts directly to a sustainability leadership challenge at the Learning Gardens Laboratory.	Change title from Advanced Leadership for Sustainability and change description
Fall 2021	M	EMCR	587	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 management and strategies for effective emergency management leadership. This is the same course as PA 587 and may be taken only once for credit.	Course number changed from EMCR 540 and added cross-listing with PA 587
Fall 2021	N	Eng	380	Introduction to Comparative Literary and Cultural Studies	4	Overview of the practices, methods, and materials of comparative literary and cultural studies, with an emphasis on learning specific modes of encountering creative expression from different linguistic, cultural, and national backgrounds. Introduces students to major questions, concepts, and debates in the field as well as literary works in relation to various themes, ideas, genres, and contexts. This is the same course as WLL 380 and may be taken only once for credit.	
Fall 2021	N	Eng	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 competency can optionally develop skills to produce translations of their own. Course may be repeated for up to 8 credits. Up to 8 credits of this course number can be applied to the English major. This is the same course as WLL 381.	
Fall 2021	N	Eng	429	Advanced Topics in Science Fiction	4	Study of selected topics in science fiction and speculative fiction. Topics may include the history of the field and its various movements; single-author studies; themes of sociopolitical significance; or theoretical topics. 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 offered for graduate-level credit as ENG 529. Prerequisites: Eng 300 and Wr 301.	
Fall 2021	M	Eng	497	Comics History	4	Study of comics art as a medium of visual narrative and its evolution through the history of the American comics industry. Topics include the diversity of comics and their storytelling power by investigating the distinctive qualities of seminal texts, their origins and precedents, their relationships to particular cultural moments, and their potential as inspiration and influence on later comics art. Also offered for graduate-level credit as Eng 597 and may be taken only once for credit. Prerequisite: Eng 300 and Wr 301. (Wr 301 may be taken concurrently.)	Prerequisite

Fall 2021	N	Eng	529	Advanced Topics in Science Fiction	4	Study of selected topics in science fiction and speculative fiction. Topics may include the history of the field and its various movements; single-author studies; themes of sociopolitical significance; or theoretical topics. Course may be repeated for up to 8 credits with different topics. Also offered for undergraduate-level credit as Eng 429. Prerequisite: Graduate standing.	
Fall 2021	N	Eng	383U	Topics in Comparative Literature, Film, and Comics	4	Comparative study of literary, film, or comic-book genres across two or more world cultures. Students learn conventions of specific genres, significant differences between genres, and the role cultural environments play in shaping artistic responses. Readings and discussions are in English. Course may be repeated for up to 8 credits. Up to 8 credits of this course number can be applied to the English major. This is the same course as WLL 383.	
Fall 2021	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 used to aid in the implementation and evaluation of public health programs and policies designed to control or ameliorate health problems in populations. In this course, students will learn how to apply epidemiological methods to address questions about the distribution of disease, death, disability and risk exposures in populations, as well as those relating to causal associations between exposures and health outcomes. This is the same course as Epi 612 and may be taken only once for credit.	Description
Fall 2021	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 used to aid in the implementation and evaluation of public health programs and policies designed to control or ameliorate health problems in populations. In this course, students will learn how to apply epidemiological methods to address questions about the distribution of disease, death, disability and risk exposures in populations, as well as those relating to causal associations between exposures and health outcomes. This is the same course as Epi 512 and may be taken only once for credit.	Description
Fall 2021	M	FILM	231	Film Analysis II	4	Builds upon the concepts related to the formal analysis of film to hone students' critical writing skills. This is a writing-intensive course (WIC). Prerequisite: FILM 131 and FILM 132, in which you must earn a minimum C+ grade.	Change title from Advanced Film Analysis and change description
Fall 2021	M	FILM	257	Narrative Film Production I	4	An introductory study of writing, technical, aesthetic and organizational principles of digital filmmaking in fictional narrative formats. Prerequisite: FILM 131 and FILM 132, in which you must earn a minimum C+ grade.	Description
Fall 2021	M	FILM	358	Narrative Film Production II	4	An intermediate study of writing, technical, aesthetic, and organizational principles of digital filmmaking in fictional narrative formats. Prerequisite: FILM 257.	Description
Fall 2021	M	FILM	359	Narrative Film Production III	4	An advanced study of writing, technical, aesthetic, and organizational principles of digital filmmaking in fictional narrative formats. Prerequisite: FILM 358.	Description
Fall 2021	M	Fr	344	Literature and Cultures of the Francophone World	4	Focusing on cultural, political, and social realities, this course introduces students to literature in French from French-speaking areas outside of France. Readings include poetry, theater, and prose from representative authors as well as secondary texts that address authors, movements, and/or contexts. This course can be taken individually. Prerequisite: Fr 203.	Title changed from Introduction to Francophone Literature. Description changed.
Fall 2021	M	Fr	341U	Literature and Culture of the Middle Ages and Renaissance	4	Focusing on cultural, political, and social realities, this course introduces students to literature from France from the Middle Ages and the Renaissance. Readings include poetry, theater, and prose from representative authors as well as secondary texts that address authors, movements, and/or contexts. This course can be taken individually. Expected preparation: Fr 203; Fr 301 or Fr 302 strongly recommended.	Title changed from Introduction to French Literature. Description changed.
Fall 2021	M	Fr	342U	Literature and Culture of the Seventeenth- and Eighteenth-Centuries	4	Focusing on cultural, political, and social realities, this course introduces students to literature from France from the seventeenth and eighteenth centuries. Readings include theater, prose, and poetry from representative authors as well as secondary texts that address authors, movements, and/or contexts. This course can be taken individually. Expected preparation: Fr 203; Fr 301 or Fr 302 strongly recommended.	Title changed from Introduction to French Literature. Description changed.
Fall 2021	M	Fr	343U	Literature and Culture 19th and 20th	4	Focusing on cultural, political, and social realities, this course introduces students to literature from France from the nineteenth and twentieth centuries. Readings include poetry, theater, and prose from representative authors as well as secondary texts that address authors, movements, and/or contexts. This course can be taken individually. Expected preparation: Fr 203; Fr 301 or Fr 302 strongly recommended.	Title changed from Introduction to French Literature. Description changed.
Fall 2021	D	Geog	240	Geography of Wine	4		
Fall 2021	D	Geog	450	Geography of Portland	4		
Fall 2021	D	Geog	453	Japan	4		
Fall 2021	N	Geog	472	Critical GIS	2	Explores the connections between GIS and the society it represents and serves, and the hidden implications embedded within GIS technology. Investigates whether GIS can be developed to reflect more complex perceptions of space and place that are not based on traditional mapping forms. Topics also include the implications of ongoing technological change, the democratization of mapping, and the ethics of GIS practice as well as the accessibility of GIS data and tools to all. Also offered for graduate-level credit as Geog 572 and may be taken only once for credit. Prerequisite: Geog 488 or equivalent.	
Fall 2021	N	Geog	476	3D Terrain Analysis & Visualization	2	Introduction to the theory and methods of the analysis and visualization of 3D digital elevation data. Topics include GIS terrain data models, terrain surface analysis, watershed delineation, and 3D visualization. Computer lab included. Also offered for graduate-level credit as Geog 576 and may be taken only once for credit. Prerequisite: Upper-division standing.	
Fall 2021	N	Geog	477	Photogrammetry and LIDAR	2	Introduction to the generation, compilation, and applications of digital elevation data derived from photogrammetry and LIDAR. Topics include UAS, digital photogrammetry, structure from motion, and LIDAR data processing. Computer lab included. Also offered for graduate-level credit as Geog 577 and may be taken only once for credit. Prerequisite: Upper-division standing.	
Fall 2021	D	Geog	493	Digital Terrain Analysis	4		
Fall 2021	D	Geog	553	Japan	4		
Fall 2021	N	Geog	572	Critical GIS	2	Explores the connections between GIS and the society it represents and serves, and the hidden implications embedded within GIS technology. Investigates whether GIS can be developed to reflect more complex perceptions of space and place that are not based on traditional mapping forms. Topics also include the implications of ongoing technological change, the democratization of mapping, and the ethics of GIS practice as well as the accessibility of GIS data and tools to all. Also offered for undergraduate-level credit as Geog 472 and may be taken only once for credit. Prerequisite: Geog 588 or equivalent.	
Fall 2021	N	Geog	576	3D Terrain Analysis & Visualization	2	Introduction to the theory and methods of the analysis and visualization of 3D digital elevation data. Topics include GIS terrain data models, terrain surface analysis, watershed delineation, and 3D visualization. Computer lab included. Also offered for undergraduate-level credit as Geog 476 and may be taken only once for credit. Prerequisite: Geog 588.	

Fall 2021	N	Geog	577	Photogrammetry and LiDAR	2	Introduction to the generation, compilation, and applications of digital elevation data derived from photogrammetry and LiDAR. Topics include UAS, digital photogrammetry, structure from motion, and LiDAR data processing. Computer lab included. Also offered for undergraduate-level credit as Geog 477 and may be taken only once for credit. Prerequisite: Geog 588.	
Fall 2021	N	Geog	591	Professionalism in GIS	2	Students meet in a seminar format to learn from each other, from faculty members, from community partners, and from other experts and practitioners in the field of Geographic Information System. Presentations, dialogue, and case exploration will offer learning about current issues and practices in the GIS industry. Topics will include the GIS body of knowledge, trends in the field, community activities, professionalization, GIS ethics, and the many practical dimensions of GIS as a career path. Prerequisite: Geog 588.	
Fall 2021	D	Geog	593	Digital Terrain Analysis	4		
Fall 2021	D	Geog	355U	Landscapes of Spain	4		
Fall 2021	D	Geog	356U	Russia and Its Neighbors	4		
Fall 2021	M	Geog	375U	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 and critical cartography, participatory mapping and mental maps, and changing mapping technologies.	Course number changed from Geog 375 due to designation as junior cluster course
Fall 2021	M	Grk	330U	Ancient Epic: Glory and Memory	4	Explores the Homeric epics, how they framed the values and limits of human achievement for the ancient Greeks, their influence on the development of other genres of Greek literature such as tragedy and comedy, and their enduring legacy in Roman literature. Conducted in English.	Title changed from Ancient Greek Literature in Translation and description changed
Fall 2021	M	Grk	332U	Gods and Mortals: Harnessing the Divine	4	A survey of how the ancient Greeks sought to procure divine aid for communal or private benefit through rituals and practices, such as prayers, sacrifices, mystery cults, and curse tablets, and the influence on later Roman religion. A full spectrum of practices will be considered, as revealed in literary, inscriptional, artistic, and archaeological evidence. Conducted in English.	Title changed from Greek Religion and description changed
Fall 2021	M	Grk	335U	Tragedy, Fate, and Fragility	4	A study of Greek tragedy and the underlying worldview of vulnerability, loss, and fraught choices often made under the yoke of necessity, primarily through the works of Sophocles and Euripides. Course will consider how the Greeks (and later Romans) articulated the fragility of human happiness, and the various strategies devised to cope with this seemingly unavoidable aspect of human existence. Conducted in English.	Title changed from Sophocles and Euripides and description changed
Fall 2021	M	Grk	336U	Ancient Laughter: Ridicule and the Absurd	4	A survey of ancient comedy, satire, invective, and epigram, primarily in Greek literature but also as appropriated and adapted by the Romans. The course considers the myriad mechanisms by which laughter was elicited and the functions to which humor was put, along with the underlying cultural values in its varied contexts. Taught in English.	Title changed from Ancient Greek Comedy and description changed
Fall 2021	N	GRN	422	Critical Perspectives on Quantitative Analysis	4	Uses critical Indigenous, decolonizing, feminist and anti-racist lenses to evaluate quantitative research applications, including development of research questions; study designs; appropriate use of statistical and other quantitative methods; audience and dissemination of quantitative findings. Interdisciplinary and intersectional focus and applications. Note: Not a methods course; does not teach statistical or quantitative methods. Also offered for graduate-level credit as GRN 522 and may be taken only once for credit. This is the same course as WS 422 and may be taken only once for credit. Prerequisite: Familiarity and experience with basic statistical and quantitative data and methods.	
Fall 2021	N	GRN	522	Critical Perspectives on Quantitative Analysis	4	Uses critical Indigenous, decolonizing, feminist and anti-racist lenses to evaluate quantitative research applications, including development of research questions; study designs; appropriate use of statistical and other quantitative methods; audience and dissemination of quantitative findings. Interdisciplinary and intersectional focus and applications. Note: Not a methods course; does not teach statistical or quantitative methods. Also offered for undergraduate-level credit as GRN 422 and may be taken only once for credit. Prerequisite: Familiarity and experience with basic statistical and quantitative data and methods.	
Fall 2021	N	GSCM	430	Decision Making Using Enterprise Systems and Data Analytics	4	An introduction and overview to enterprise resource planning (ERP) systems, their function in business, some major transactions, and data structures that support managing a supply chain. Students will also gain experience with data analytics and visualization tools. Prerequisite: BA 339 and BA 325; must be admitted into the school of business.	
Fall 2021	M	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 problems in health systems and propose solutions, as well as critique existing policy and develop sound policy alternatives. Prerequisite: Successful completion of HSMP 586 with an earned "B-" minimum passing grade. Also offered as HSMP 683 for doctoral students.	Prerequisites
Fall 2021	N	HSMP	584	Social Policy and Public Health	3	Examines how social policies influence health, with particular attention to health equity and disparities. Students will develop skills necessary to assess the empirical evidence for, and health implications of social policies in the areas of education, agriculture/nutrition, social welfare/income transfer, employment/labor, housing/built environment, transportation, civil rights, and other policy domains. Also offered for graduate-level credit as HSMP 684 and may be taken only once for credit.	
Fall 2021	N	HSMP	684	Social Policy and Public Health	3	Examines how social policies influence health, with particular attention to health equity and disparities. Students will develop skills necessary to assess the empirical evidence for, and health implications of social policies in the areas of education, agriculture/nutrition, social welfare/income transfer, employment/labor, housing/built environment, transportation, civil rights, and other policy domains. Also offered for graduate-level credit as HSMP 584 and may be taken only once for credit.	
Fall 2021	M	HSMP	689	Research Design in Health Services	3	Provides an introduction to traditional methods of designing and conducting health services research. It is intended that at the completion of the course students will understand multiple approaches to health services research, be able to be both participants in and consumers of the research process, and will be competent in conducting critical appraisals of the health services literature and in writing research proposals. Course intended for PhD students only.	Prerequisites
Fall 2021	N	Hst	311	Introduction to the New Testament	4	We will study the diverse writings of the New Testament as products of their original historical, social, and religious contexts. We will ask how these ancient writings came to be written, collected and preserved and how they served to interpret and respond to the life situations of the earliest Christians. This course may be repeated once for credit. This is the same course as JSI 311.	
Fall 2021	M	Hst	324	United States Civil Rights Movements	4	Examines the rise of the Black Power and the Chicano movements of the 1960s and 1970s in comparative perspective, as well as the American Indian, Women's Liberation, LGBTQ, and Asian American Movements. Topics include racial and ethnic cultural nationalism, self-determination, discrimination, police/state violence, community control, and cross-racial/cross-ethnic organizing. These social movements are set within a global context framed by the Vietnam War, Anti-Colonialism, Feminism, "Third World" student activism, state/police violence, and the counterculture of the 1960s.	Description
Fall 2021	D	Hst	367	History of Food in Latin America	4		

Fall 2021	M	Hst	465	Twentieth Century Latin America	4	Course examines: Positivism, Mexican Revolution, World War I, import substitution, comparison of Argentina, Mexico, Brazil and Peru in the 1920s, the Depression in Latin America, Nazi threats, U.S. Latin American cooperation WWII, the Cold War, Cuba as watershed, Alliance for Progress, Liberation theology, Soviet, Cuban, Chinese, Trotskyite rivalries, Dirty wars, Central American revolutions, implosion of Mexican development model, democracy, rise of digital worlds, stimulants, tourism, Nafta, U.S. disregard. Also offered for graduate-level credit as Hst 565 and may be taken only once for credit. Prerequisite: Upper-division standing.	Description and prerequisite
Fall 2021	M	Hst	468	History of Mexico I: 4000 BCE-1821	4	Study of Mexico's beginnings from pre-Columbian times through the colonial period. The origins of Mexican culture, society, economy, and political institutions will be examined in the context of Hispanic and indigenous contributions. Also offered for graduate-level credit as Hst 568 and may be taken only once for credit. Prerequisite: Upper-division standing.	Title changed from History of Mexico, description and prerequisite changed
Fall 2021	M	Hst	469	History of Mexico II: 1810-1876	4	Study of Mexico's history from the revolutions for independence until 1876. Emphasis on the development of constitutional government, the era of reform, foreign interventions, and the restoration of the republic. Also offered for graduate-level credit as Hst 569 and may be taken only once for credit. Prerequisite: Upper-division standing.	Title changed from History of Mexico, description and prerequisite changed
Fall 2021	M	Hst	470	History of Mexico III: 1876-Present	4	Mexico's emergence as a modern nation during the Porfirian dictatorship. The 20th century revolutionary upheaval and consolidation. Also offered for graduate-level credit as Hst 570 and may be taken only once for credit. Prerequisite: Upper-division standing.	Title changed from History of Mexico, description and prerequisite changed
Fall 2021	D	Hst	475	Topics in Early Russian History	4		
Fall 2021	D	Hst	476	Topics in Imperial Russian History	4		
Fall 2021	M	Hst	477	Topics in Russian-Soviet History	4	Studies selected themes on the political, social, and cultural aspects of the Imperial, Soviet, and/or post-Soviet experience. Investigates the politics, controversies, and social imaginaries of the period and theme under study through primary sources and historiographical debates. Course may be repeated for credit with different topics. Also offered for graduate-level credit as Hst 577. Prerequisite: Upper division standing.	Change title from Topics in Soviet History, change description and prerequisite
Fall 2021	M	Hst	478	Topics in Russian Cultural-Intellectual History	4	Studies selected cultural and intellectual trends in Imperial, Soviet, and/or post-Soviet Russia. Investigates themes related to modernity and mass culture, such as the formation of the intelligentsia, revolutionary ideologies, and/or Soviet Marxism, through the analysis of primary sources and historiographical debates. Maximum number of credits is 12; 4 credits each for three courses with different topics. Also offered for graduate-level credit as Hst 578. Prerequisite: Upper division standing.	Change title from Russian Cultural and Intellectual History, change description, prerequisite, and repeatability
Fall 2021	D	Hst	479	Russian Cultural and Intellectual History	4		
Fall 2021	D	Hst	485	Ottoman World	4		
Fall 2021	M	Hst	565	Twentieth Century Latin America	4	Course examines: Positivism, Mexican Revolution, World War I, import substitution, comparison of Argentina, Mexico, Brazil and Peru in the 1920s, the Depression in Latin America, Nazi threats, U.S. Latin American cooperation WWII, the Cold War, Cuba as watershed, Alliance for Progress, Liberation theology, Soviet, Cuban, Chinese, Trotskyite rivalries, Dirty wars, Central American revolutions, implosion of Mexican development model, democracy, rise of digital worlds, stimulants, tourism, Nafta, U.S. disregard. Also offered for undergraduate-level credit as Hst 465 and may be taken only once for credit.	Description
Fall 2021	M	Hst	568	History of Mexico I: 4000 BCE-1821	4	Study of Mexico's beginnings from pre-Columbian times through the colonial period. The origins of Mexican culture, society, economy, and political institutions will be examined in the context of Hispanic and indigenous contributions. Also offered for undergraduate-level credit as Hst 468 and may be taken only once for credit.	Title changed from History of Mexico and description changed
Fall 2021	M	Hst	569	History of Mexico II: 1810-1876	4	Study of Mexico's history from the revolutions for independence until 1876. Emphasis will be placed upon the development of constitutional government, the era of reform, foreign interventions, and the restoration of the republic. Also offered for undergraduate-level credit as Hst 469 and may be taken only once for credit.	Title changed from History of Mexico and description changed
Fall 2021	M	Hst	570	History of Mexico III: 1876-Present	4	Mexico's emergence as a modern nation during the Porfirian dictatorship. The 20th century revolutionary upheaval and consolidation. Also offered for undergraduate-level credit as Hst 470 and may be taken only once for credit.	Title changed from History of Mexico and description changed
Fall 2021	D	Hst	575	Topics in Early Russian History	4		
Fall 2021	D	Hst	576	Topics in Imperial Russian History	4		
Fall 2021	M	Hst	577	Topics in Russian-Soviet History	4	Studies selected themes on the political, social, and cultural aspects of the Imperial, Soviet, and/or post-Soviet experience. Investigates the politics, controversies, and social imaginaries of the period and theme under study through primary sources and historiographical debates. Maximum number of credits is 12; 4 credits each for three courses with different topics. Also offered for undergraduate-level credit as Hst 477.	Change title from Topics in Soviet History and change description
Fall 2021	M	Hst	578	Topics in Russian Cultural-Intellectual History	4	Studies selected cultural and intellectual trends in Imperial, Soviet, and/or post-Soviet Russia. Investigates themes related to modernity and mass culture, such as the formation of the intelligentsia, revolutionary ideologies, and/or Soviet Marxism, through the analysis of primary sources and historiographical debates. Maximum number of credits is 12; 4 credits each for three courses with different topics. Also offered for undergraduate-level credit as Hst 478.	Change title from Russian Cultural and Intellectual History, change description and repeatability
Fall 2021	D	Hst	579	Russian Cultural and Intellectual History	4		
Fall 2021	D	Hst	585	Ottoman World	4		
Fall 2021	M	Hst	314U	Ancient Near East and Egypt	4	Covers the Stone Age to the death of Alexander the Great in 323 BC, from Afghanistan to Egypt. Topics include the agricultural revolution, the origin of cities and ancient empires, Gilgamesh, the Bible, and the Persians.	Description
Fall 2021	M	Hst	315U	History of Ancient Greece	4	A survey of the social, political, economic, and cultural history of the Greeks and their neighbors. From earliest beginnings through the Hellenistic age.	Title changed from Geek History, description changed
Fall 2021	M	Hst	316U	Roman History	4	A study of the social, political, economic, and cultural history of the Mediterranean region between 753 BCE and the fall of Rome.	Description
Fall 2021	M	Hst	320U	East Asian Civilizations	4	Origins and development of East Asian civilizations from the earliest human cultures to around 1300. Focus on interactions between Chinese influences and indigenous traditions in Japan, Korea, and Vietnam; Confucianism, Buddhism, and other religious traditions; social organization, economies, and political institutions; cultural, artistic, and literary traditions.	Description
Fall 2021	M	Hst	321U	Early Modern East Asia, 1300-1800	4	East Asia from the era of the Mongol conquests through European contacts, encompassing the Yuan, Ming, and Qing dynasties in China, Choson Korea, and the Ashikaga through Tokugawa periods in Japan.	Description
Fall 2021	M	Hst	322U	Modern East Asia	4	History of East Asia from around 1800, beginning with the Opium Wars in China and the Meiji Restoration in Japan, through postwar state and society in Japan and the People's Republic of China. Some attention to Korea, Vietnam, and Taiwan. Emphasis on concepts of imperialism, Westernization, modernization, and revolution.	Description
Fall 2021	M	Hst	327U	U.S. History 1890-1932	4	A survey of political, social, cultural, and economic history covering Populism and the Crisis of the 1890s, the Purty Crusade, Corporate and Anticorporate Progressive Reform, World War I, the League of Nations and Red Scare of 1919-20, the New Era and Cultural Conflicts of the 1920s, and the 1929 stock market crash. In doing so, the class addresses the presidencies of William McKinley, Theodore Roosevelt, William Howard Taft, Woodrow Wilson, Warren G. Harding, Calvin Coolidge, and Herbert Hoover.	Description
Fall 2021	M	Hst	328U	U.S. History, 1932-1960	4	A survey of political, social, cultural, and economic history covering the Great Depression of the 1930s, Noninterventionist Sentiment and World War II, Cold War Domestic and International Anti-Communism, and the Early Civil Rights Movement. In doing so, the class addresses Franklin D. Roosevelt's New Deal and the presidencies of Harry Truman and Dwight D. Eisenhower.	Description

Fall 2021	M	Hst	329U	U.S. History, 1960-Present	A survey of political, social, cultural, and economic history covering the Cold War and Vietnam, Sixties Civil Rights and Radical Activism, Watergate, the Rise of Populist Conservatism, the Emergence of the Global Economy, and Political Polarization. In doing so, the class addresses the presidencies of John F. Kennedy, Lyndon B. Johnson, Richard Nixon, Jimmy Carter, Ronald Reagan, George H. W. Bush, Bill Clinton, and their successors.	Description
Fall 2021	M	Hst	330U	Native Americans of Eastern North America	Examines the origins of the Eastern Woodlands societies, surveys their culture around the time of European colonization, and considers how that culture changed in response to the arrival of Europeans to the North American continent. Traces the development of the major Native American nations of the region and explores how those nations responded to the policy of the United States in the 19th and 20th centuries.	Description
Fall 2021	M	Hst	331U	Native Americans of Western North America	Explores the history of peoples native to Western North America in the American Southwest and Pacific Coast regions, and in British Columbia. Covers the period from precontact to the present and considers the responses from native nations to the re-peopling of the West as well as examining U.S. and Canadian federal policy.	Description
Fall 2021	D	Hst	332U	History of the North American Fur Trade		
Fall 2021	D	Hst	336U	Lewis and Clark and the American West		
Fall 2021	M	Hst	337U	History of American Cities	Traces the evolution of urban centers from the colonial period to the present. Focuses on the developing system of cities, on growth within cities, and on the expansion of public responsibility for the welfare of urban residents. Particular attention is given to the industrial and modern eras.	Description
Fall 2021	M	Hst	338U	Oregon History	Explores the political and social history of the area most of us call home: Oregon Country, Oregon Territory, and the state of Oregon. Through lectures, readings, film, and discussion we will examine the connections between the local, national, and international as they pertain to this place. Topics considered include Oregon as Indian Country, Black Exclusion laws, the natural resource economy, the Tom McCall era, and Rajneeshes as new pioneers.	Description
Fall 2021	M	Hst	339U	The Environment and History	Introduction to the global history of human interactions with the environment from antiquity to the present, with a special focus on the history of political, social, cultural, and economic forces that have produced modern relationships to nature. Designed as an introductory course for students of all majors.	Description
Fall 2021	M	Hst	340U	Women and Gender in America to 1848	Surveys the history of women in the middle North American continent to 1848. It highlights the experiences of and relationships among women of diverse origins, especially Native women, African women, and European women. Key themes include family, kinship, and sex-gender systems; colonialism and slavery; religious life; politics and the law, nation-building and the rise of modern citizenship.	Description
Fall 2021	M	Hst	341U	Women and Gender in the United States 1848-1920	Explores the diverse experiences of women in the United States between 1848 and 1920. Key themes include slavery, emancipation, and Reconstruction; colonialism and resistance; women's rights and social reform; education and wage labor; immigration/migration; and Victorianism and sexual modernism.	Description
Fall 2021	M	Hst	342U	Women and Gender in the U.S. 1920 to the Present	Surveys women's lives and gender change in recent U.S. history. Among our themes will be women in politics, the work force, and social movements as well as changes in family life, gender identities, and sexuality. Women's roles in globalization, the media, and popular culture will figure throughout.	Description
Fall 2021	M	Hst	343U	American Family History	Examines the history of the many types of the families in what is now the United States from the period of colonial settlement in the 1500s to the present day. Course utilizes primary source texts and recent scholarship on the family to understand not only the complexity and diversity of families, but also the varied impacts of historical change on the structures, meanings, and adaptations of families. Special focus on understanding the formation and changing nature of gender norms, family strategies, race, class, immigration, and ethnicity.	Description
Fall 2021	M	Hst	344U	Culture, Religion, Politics: Jews and Judaism in America Since World War Two	Surveys significant religious, cultural, and political developments in American Jewry since the end of World War Two. Topics include the impact of the war and the Holocaust; liberalism, radicalism, and neoconservatism; suburbia; the counterculture; the fading of immigrant memory; Jewish feminism; the orthodox revival; relations with African-Americans and other minority groups; and the relationship between American Jewry and the State of Israel.	Description
Fall 2021	M	Hst	345U	Colonial America, 1607-1756	Survey of British North America from the planting of the English colonies to the eve of the Seven Years' War. Topics include relations between Europeans and Native Americans, women's status and roles, religious ferment, constitutional development, and the colonial economy.	Description
Fall 2021	M	Hst	346U	The American Revolution, 1756-1800	Survey of the American Revolution from its origins to the Early Republic. Topics include the pre-Revolutionary crises, the War of Independence, the Confederation, and the framing of the Constitution.	Description
Fall 2021	M	Hst	347U	Antebellum America, 1800-1850	Survey of the history of the United States from 1800 to 1850. Topics include the War of 1812, U.S. territorial expansion, Jacksonian democracy, Indian removal, reform movements, the transportation revolution, and the development of the market economy.	Description
Fall 2021	M	Hst	348U	Slavery, the American Civil War, and Reconstruction, 1850-1877	Survey of the history of slavery in the United States. Topics include the political, social, and economic circumstances that helped bring on the American Civil war, as well as the military history of the war, the consequences of the conflict, and the reconstruction of the Union.	Description
Fall 2021	M	Hst	349U	United States Indian Policy	Examines the history of the United States government's policy toward the Indigenous nations of North America. In particular, considers the Indian policies of the European colonial powers, the federal government's creation and implementation of policies regarding Indigenous polities, the conflicts and relationships between Native nations and the state and federal governments, the origin of the Indigenous sovereignty movement, and the construction of Native rights by the state and federal courts of the United States.	Description
Fall 2021	M	Hst	350U	English History from 1066 to 1660	Designed to survey the history of England from the conquest in 1066 through the English Civil Wars and the ensuing period when England was without its monarchy in the mid-seventeenth century. Using a lecture/discussion format, explores significant events and developments in the governance, society, economy, and religion of England during this period.	Description
Fall 2021	M	Hst	351U	English History from 1660 to the Present	Designed to survey the history of England from the restoration of the monarchy in 1660 to the present time. Using a lecture/discussion format, explores significant events and developments in the governance, society, economy, and religion of England during this period.	Description
Fall 2021	M	Hst	352U	European Women's History to 1700	An upper-division course designed to survey the history of women and the changing social construction of gender in Europe from c. 1000 to c. 1700. Explores the impact of social, intellectual, economic, and political changes, as well as significant events such as the Black Death and recurring religious change.	Description
Fall 2021	M	Hst	354U	Early Medieval Europe: 300-1100	A survey of political, cultural, intellectual, religious, social, and economic aspects of Western Europe and the Mediterranean, including the decline of Roman imperial might in Europe, the spread of Christianity, the Islamic, Viking, and Byzantine spheres, the rise and decline of the Carolingian Empire, the roles of women and gender, and the growth of feudal society around the year 1000.	Description
Fall 2021	M	Hst	355U	Late Medieval Europe, 1100-1450	Examines the late Middle Ages through primary sources emphasizing cultural, social, political, and intellectual transformations. Subjects include the twelfth-century cultural "renaissance," the emergence of European states and the papal monarchy, the rise of religious dissent and persecution of minorities, the transformation of medieval spirituality, the Crusades, European expansion and external encounters, growth of cities and the university, and the late medieval bubonic plague pandemic.	Description

Fall 2021	M	Hst	356U	Renaissance and Reformation Europe, 1400-1600	4	Surveys the cultural, social, intellectual and political aspects of the European Renaissance and Reformation. Emphasizes reading and analysis of contemporary source materials. Subjects include: the growth of urban culture and civic humanism in Italy, the rediscovery of classical literature and philosophy, court life and mores, the Catholic and Protestant reformations, witch-hunts and religious violence, and European exploration and exploitation of the Atlantic.	Description
Fall 2021	M	Hst	357U	Europe from Reformation to Revolutions	4	Major developments in European social, political, economic, cultural, and intellectual history from the late 16th through the mid-19th centuries.	Description
Fall 2021	M	Hst	358U	Europe from National Unification to European Union	4	Major events (World Wars I and II), socio-political movements (communism, fascism, Nazism), people, and themes in European history from the mid-19th century to the present.	Description
Fall 2021	M	Hst	359U	Early Modern France	4	A survey of the history of France during the Reformation, the Age of Absolutism, and the Enlightenment, 1515-1778.	Description
Fall 2021	M	Hst	360U	The French Revolution and Napoleon	4	A survey of the history of France during the Revolution and Napoleonic era, 1778-1815.	Description
Fall 2021	M	Hst	361U	France and the World since 1815	4	Examines the France and its role in the world from 1815 to present, including revolutions, restorations, empire, world wars and national identity.	Course number changed from Hst 361 due to junior cluster designation
Fall 2021	M	Hst	363U	History of the British Empire	4	Surveys four centuries of the expansion and decline of the British Empire. Emphasis on the military, political and economic history of imperialism, the comparative study of colonial territories, and the emergence of post-colonial societies.	Course number changed from Hst 363 due to junior cluster designation. Change Description
Fall 2021	M	Hst	365U	History of Latin America, 4000 BCE - 1810	4	A survey from pre-Columbian times ending with Latin American independence. (4000 B.C.E. to 1810). Topics include: Paths across oceans, domesticating corn, potatoes, grains, animals; Olmecs, Maya, Toltecs, Teotihuacan, Purepecha, Mexica, Chimú, Incas, 1st peoples Brazilian basin; the Encounters; colonial mining economy; rise of Latin American consciousness, slavery, racial construction, Native American resistances; Catholic syncretism; Bourbon and Pombal reforms; Caribbean uniqueness; Haitian revolution; Portuguese Empire out of Brazil; Napoleon; rejection of Spanish political reforms, independences.	Title changed from Latin America. Description changed.
Fall 2021	M	Hst	366U	History of Latin America, 1820-Present	4	Course examines: Independence, search for autonomous political purpose, European economic penetration, Hispanismo, colonialism and slavery, U.S. imperial outreach, regional revolutions, armies and nation building, the model of "development", import substitution, Japanese emigration, artistic revolutions, indigenism, world wars, Cold War, liberation theology, music, food, autonomous resistance, role of labor, satisfying western needs (tourism, stimulants, individual and labor exploitation), mega cities, missing the computer age, NAFTA vs. Chinese manufacturing, failing states, neo-authoritarianism, Covid-19.	Title changed from Latin America. Description changed.
Fall 2021	M	Hst	376U	History of Imperial Russia, 1700-1917	4	Studies the Russian Empire from its founding to the Russian Revolution of 1917. Emphasis on attempts at reform, and on political and cultural identity formation of various social groups and nationalities of the empire.	Description
Fall 2021	M	Hst	377U	History of the Soviet Union and Post-Soviet Russia	4	Studies the Soviet Union from its founding in 1917 to the early post-Soviet period. Emphasis on socialism as theory and policy, and on political and cultural identity formation of various social groups and nationalities of the Soviet Union.	Description
Fall 2021	N	Hst	384U	Ottoman World	4	An overview of Balkan and Middle Eastern history from late-medieval to early modern times (c. 14th-18th centuries). Major themes include the rise of the Ottoman Empire, the Ottomans and the early modern world (c. 1500-1800), evolution of the Ottoman state, law and religion, economy and society, and popular culture and lifestyle.	
Fall 2021	M	Hst	387U	History of Modern Science	4	Examines the interplay between science as a system of knowledge and science as the institutions by which that knowledge is produced. Through reading, lectures, independent research, and discussion, the course explores how science has affected and been affected by political, social, and cultural developments. Primary focus is Europe and America from the 16th century to the present, but global perspectives will also be considered.	Description
Fall 2021	D	INTL	205	Introduction to Regional Studies	4		
Fall 2021	M	INTL	397	Theory and Policy in International Development	4	Explores the concept of international development, its theoretical evolution and application in developing nations. Utilizes a historical approach starting with colonialism and ending with topics of contemporary salience such as trade, financial liberalization and sustainability. Prerequisites: Intl 201 and Intl 296.	Prerequisites
Fall 2021	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 comparative perspectives. Prerequisite: Intl 201 and Intl 296.	Prerequisites
Fall 2021	M	INTL	321U	Asia: Globalization and Identity	4	Examines how Asian societies define the meaning of globalization vis-a-vis themselves and each other.	Title changed from Globalization and Identity: Humanities and description changed
Fall 2021	D	INTL	322U	Globalization and Identity: Social Science	4		
Fall 2021	M	INTL	323U	Asia: Tradition and Innovation	4	Examines how Asian societies employ the meanings of "tradition" and "innovation" to define themselves and view each other. The course looks at tradition and innovation in Asia by drawing on interdisciplinary and multidisciplinary knowledge sources.	Title changed from Tradition and Innovation: Humanities and description changed
Fall 2021	D	INTL	324U	Tradition and Innovation: Social Science	4		
Fall 2021	M	INTL	332U	Islamic Social Movements	4	An overview of recent Islamic social movements. Examines the roots and development of Islamic movements in, among others, Muslim-populated societies in the context of Social Movement Theory and globalization. Particular attention is given to the rise of Islamic socio-political movements from their position as a local and regional force to a global social movement.	Title changed from Islamic Movements in the Contemporary Muslim World and description changed
Fall 2021	N	INTL	367U	The Global Drug Trade	4	Explores the nature of the global drug trade, and its impact on the environment, nation-states, economies, populations, and international relations. Also examines different perspectives to understanding the drug trade, such as the global health approach to drugs, and the arguments for legalization. Students will also examine how drugs have been securitized as an issue, and the pros and cons of this approach. This class will place the drug trade in the context of other major global issues, such as how the drug trade fuels migration.	
Fall 2021	D	INTL	397W	Preparation for the International Experience	4		
Fall 2021	N	ISf	520	Introduction to Foresight and Futures Practice	4	Introduces futures thinking and the related social science anchored practice of foresight. Includes a history and evolution of futures practice in the private and public sector. As an emerging social science and growing presence in emerging government and private sector practice, futures thinking and work acknowledges deep acceleration in change, disruption and related volatility, power relations, uncertainty, complexity and ambiguity and a need for navigation skills to succeed in "post-normal" times.	
Fall 2021	N	ISf	521	Applying Foresight Frameworks and Building Futures Practice	4	Advanced class to deepen student understanding and knowledge futures thinking and the related skills of applied and ethical foresight to real world interdisciplinary challenges. Includes an overview of settings and methods where foresight is currently being practiced in both the public and private sectors, and profiles of futurists who lead these processes. Focuses on methods which democratize and diversify the future. Prerequisite: ISf 520.	
Fall 2021	N	ISf	522	Integrative Futures Practice	2	Advanced class to integrate the coursework student has taken for his/her/their Foresight Practice Certificate. After taking the two required and elective courses related to student area of interest, this class provides students the opportunity to integrate his/her/their learning regarding futures knowledge and foresight practice. Acquisition and presentation of strategies to democratize co-creation of shared futures, acknowledge/address bias and patterns of inequity will be prioritized, culminating in a practice portfolio. Prerequisite: ISf 520, ISf 521, and required electives.	
Fall 2021	D	It	340	Dissenting Italian Women Writers in Translation	4		
Fall 2021	N	JSt	311	Introduction to the New Testament	4	We will study the diverse writings of the New Testament as products of their original historical, social, and religious contexts. We will ask how these ancient writings came to be written, collected and preserved and how they served to interpret and respond to the life situations of the earliest Christians. This course may be repeated once for credit. This is the same course as Hst 311.	

Fall 2021	M	Ling	417	Endangered Languages	How and why languages are endangered in the Pacific Northwest and elsewhere in the world. Environmental factors, globalization, and colonization will be evaluated for the roles they have played. Consideration is also given to how dying languages can be maintained or "awakened" (revitalized). Also offered for graduate-level credit as Ling 517 and may be taken only once for credit.	Title changed from Maintenance and Revitalization of Endangered Languages and changed course description
Fall 2021	M	Ling	433	Psycholinguistics	A survey of psycholinguistics and the psychology of language, focusing on the general question of the relation between human language and human beings. Expected preparation: Ling 391. Also offered for graduate-level credit as Ling 533 and may be taken only once for credit. Prerequisite: Ling 4390 or (Psy 200 and Psy 204).	Description and prerequisites
Fall 2021	M	Ling	476	Corpus Linguistics	Introduction to the methods of corpus linguistics, a type of computer-assisted linguistic analysis, as used in applied linguistics and TESOL. Includes weekly computer lab sessions conducting corpus linguistics work. Expected preparation is Ling 392. Also offered for graduate-level credit as Ling 576 and may be taken only once for credit. Prerequisite: Upper division standing.	Title changed from Corpus Linguistics in Language Teaching, description changed, prerequisite changed
Fall 2021	M	Ling	511	Syntax	Introduction to modern grammatical theory, its methods, and findings. Presents patterns of argumentation, models, and basic results of research. Also offered for undergraduate-level credit as Ling 411 and may be taken only once for credit. Prerequisite: Ling 521 or (Ling 390 and Ling 392).	Prerequisites
Fall 2021	M	Ling	512	Phonology	How sounds pattern and how they are used in the world's languages, how those patterns should be represented, and what theories have been advanced to explain those patterns. Some historical background to the subdiscipline and some training in linguistic analysis and argumentation. Also offered for undergraduate-level credit as Ling 412 and may be taken only once for credit. Prerequisite: Ling 513 or (Ling 390 and Ling 415).	Prerequisites
Fall 2021	M	Ling	514	Linguistic Pragmatics	A study of current theories of language use, particularly contextual and functional aspects of communication. Also offered for undergraduate-level credit as Ling 414 and may be taken only once for credit. Prerequisite: Ling 521 or Ling 390.	Prerequisites
Fall 2021	M	Ling	515	Linguistic Phonetics	Introduces the sounds of the world's languages with a concentration on English. Practical exercises designed to develop skills in production, discrimination, and phonetic transcription. Applications to speech technology and speech pathology. Also offered for undergraduate-level credit as Ling 415 and may be taken only once for credit. Prerequisite: Ling 513 or Ling 4390.	Prerequisites
Fall 2021	M	Ling	516	Discourse Analysis	The examination of forms and functions in discourse. Using several analytic procedures for understanding how conversation works, especially as applied to language learning and teaching. Also offered for undergraduate-level credit as Ling 416 and may be taken only once for credit. Prerequisite: Ling 521 or Ling 390.	Prerequisites
Fall 2021	M	Ling	517	Endangered Languages	How and why languages are endangered in the Pacific Northwest and elsewhere in the world. Environmental factors, globalization, and colonization will be evaluated for the roles they have played. Consideration is also given to how dying languages can be maintained or "awakened" (revitalized). Also offered for undergraduate-level credit as Ling 417 and may be taken only once for credit.	Title changed from Maintenance and Revitalization of Endangered Languages and changed course description
Fall 2021	M	Ling	518	Linguistic Morphology	The study of words and word structure. Focuses on analyzing word formation across languages. Examines the relationship between morphology, syntax and phonology, the theoretical assumptions that underlie morphological analysis, and some applications of morphological analysis. Also offered for undergraduate-level credit as Ling 418 and may be taken only once for credit. Prerequisite: (Ling 513 and Ling 521) or Ling 390.	Prerequisites
Fall 2021	M	Ling	519	Language Typology	Studies and classifies languages according to their structural features. Introduces (structural) linguistics and studies structures across languages. Prepares students for more theoretical and analytical courses in the department. Also offered for undergraduate-level credit as Ling 419 and may be taken only once for credit. Prerequisite: Ling 513 or Ling 521 or Ling 4390.	Prerequisites
Fall 2021	M	Ling	520	Historical and Comparative Linguistics	Study of language relationships and language change. Topics include the genetic classification of languages, language and prehistory, methods of historical reconstruction, and language contact. Also offered for undergraduate-level credit as Ling 420 and may be taken only once for credit. Prerequisite: Ling 390 or Ling 513 or Ling 521.	Prerequisites
Fall 2021	M	Ling	532	Sociolinguistics	Examines the role of language in society and how social factors can influence language. The social issues around language including language policy and language ideology. Also offered for undergraduate-level credit as Ling 432 and may be taken only once for credit. Expected preparation: Ling 432 or Ling 513.	Description and prerequisites
Fall 2021	M	Ling	535	Theories and Practice in Applied Linguistics	An examination of current areas of applied linguistics research focusing on original research and building upon concepts presented in Ling 390 and Ling 391. Expected preparation: Ling 513 or Ling 521 or Ling 531. Also offered for undergraduate-level credit as Ling 435 and may be taken only once for credit.	Description and prerequisites
Fall 2021	M	Ling	537	First Language Acquisition	Introduction to main aspects of first language acquisition in childhood, from infancy to the early school years. Examines comprehension and production of the structural and social aspects of language. Includes discussion of language acquisition theories from linguistic, psycholinguistic and sociolinguistic perspectives. Research project based on collection and analysis of child language data required. Also offered for undergraduate-level credit as Ling 437 and may be taken only once for credit. Prerequisite: Ling 513.	Prerequisites
Fall 2021	M	Ling	538	Second Language Acquisition	Introduction to main aspects of second language acquisition from sociolinguistic and psycholinguistic perspectives. Examines comprehension and production, stages in acquisition, cognitive processes, linguistic environment, individual variables, relationship between first and second language. Research project based on collection and analysis of language-learner language. Expected preparation: Ling 521 or 517. Also offered for undergraduate-level credit as Ling 438 and may be taken only once for credit.	Description
Fall 2021	M	Ling	539	Language Assessment	Theoretical background and practical considerations in the conduct of language assessment. Students will explore traditional, quantitative methods as well as alternative, qualitative methods for systematically gathering information to inform decisions about individual language ability. Also offered for undergraduate-level credit as Ling 439 and may be taken only once for credit. Prerequisite: Ling 577.	Prerequisites
Fall 2021	M	Ling	545	Linguistics and Cognitive Science	Presents current developments in linguistic theory, and in psychological theories of perception, cognition, and information processing (with special focus on language processing). Examines the fusion of linguistic and psychological theories into the rapidly growing field of cognitive science. Also offered for undergraduate-level credit as Ling 445 and may be taken only once for credit. Prerequisite: Ling 521 or Ling 513 or background in Psychology.	Prerequisites
Fall 2021	M	Ling	565	Research in Language Teaching and Applied Linguistics	Introduces students to the basics of reading and writing about research in TESOL. It will develop the metalanguage necessary for discussing and critically evaluating research articles, skills for synthesizing research articles, and identifying and evaluating research methodologies. Students will also practice skills for proactively searching out information to better understand research so they can continue to be critical consumers of research as they enter the teaching profession. Prerequisites: Graduate standing and 12 credits of Applied Linguistics at the 500-level including Ling 521.	Prerequisites
Fall 2021	M	Ling	570	Grammar for TESOL	A study of how to teach difficult grammatical structures in English, how to resolve problems and questions that frequently arise in the ESL classroom, and how to adapt and supplement ESL grammar texts. Also offered for undergraduate-level credit as Ling 470 and may be taken only once for credit. Prerequisites: Ling 392 or Ling 521 or consent of instructor.	Prerequisites

Fall 2021	M	Ling	572	Teaching Pronunciation	This is a practical, hands-on course in which students apply phonetics and phonology in the context of language education. While the focus is on teaching English pronunciation, the course includes general theory and applications that are useful for students planning to teach pronunciation of other languages (e.g., Spanish, Chinese). Also offered for undergraduate-level credit as Ling 472 and may be taken only once for credit.	Prerequisites
Fall 2021	M	Ling	576	Corpus Linguistics	Introduction to the methods of corpus linguistics, a type of computer-assisted linguistic analysis, as used in applied linguistics and TESOL. Includes weekly computer lab sessions conducting corpus linguistics work. Expected preparation is Ling 392 or Ling 521. Also offered for undergraduate-level credit as Ling 476 and may be taken only once for credit.	Title changed from Corpus Linguistics in Language Teaching, description changed, prerequisite changed
Fall 2021	M	Ling	580	Bilingualism	Survey of issues involved with bilingualism throughout the world. Explores the linguistic, sociolinguistic, and psycholinguistic aspects of simultaneous and subsequent acquisition of one or more languages. Includes perspectives of individual and societal bilingualism, and examines issues involved with bilingual language use, language processing, education, language planning, and language and identity. Expected preparation is Ling 513 or Ling 521. Also offered for undergraduate-level credit as Ling 480 and may be taken only once for credit.	Description and prerequisites
Fall 2021	M	Ling	581	World Englishes	Explores the role of English as a world language. Using film, audio tapes, and English language newspapers from around the world, students will become familiar with such Englishes as Malaysian English, Indian English, Nigerian English, and Filipino English. Also offered for undergraduate-level credit as Ling 481 and may be taken only once for credit. Prerequisites: Ling 232 or Ling 390 or Ling 513 or Ling 521.	Prerequisites
Fall 2021	M	Ling	582	Pidgins and Creoles	Introduces students to the language varieties arising in contact situations. Concentration on African and New World creoles (and African American Vernacular English). Considers the formation of pidgins and creoles in terms of both first and second language acquisition. Looks at the social factors involved in their creation. Also offered for undergraduate-level credit as Ling 482 and may be taken only once for credit. Prerequisite: Ling 390 or Ling 513 or Ling 521.	Prerequisites
Fall 2021	M	Ling	590	History of the English Language	A survey in which the development of English phonology, morphology, vocabulary, and syntax is studied through the application of modern linguistic criteria and methodology. Expected preparation is Ling 521 or Ling 392. Also offered for undergraduate-level credit as Ling 490 and may be taken only once for credit. Prerequisite: Ling 513 or Ling 390.	Description and prerequisites
Fall 2021	N	ME	461	Buildings and health: Indoor air quality	We spend 90% of our time inside buildings and much of our exposure to air pollution occurs indoors. Students develop mass-balance models of pollutant fate, transport, and transformation for indoor spaces including parameterizing indoor sources (emissions), indoor-outdoor transport (ventilation), transformation (removal and chemical reactions), and control strategies for indoor air pollutants. Students solve developed models with analytical and numerical methods. Students use mass-balance models to inform assessment of human exposure to air pollution and infectious disease transmission. Also offered for graduate-level credit as ME 561 and may be taken only once for credit. Prerequisite: ME 320 or equivalent.	
Fall 2021	N	ME	477	Introduction to Semiconductor Manufacturing	Introduction to semiconductor manufacturing technologies and its engineering field. Technologies studied include silicon wafer manufacturing, thermal processes, photolithography, ion implantation, etch, dielectric thin films, metallization, chemical mechanical polishing, assembly, sorting, and testing. Topics cover industry overview, technology trends and common engineering practices. The topics chosen are aligned with real fabrication facilities and are suitable for engineering and science students who want to be process, manufacturing, or equipment engineers in the semiconductor industry. Also offered for graduate-level credit as ME 577 and may be taken only once for credit. Prerequisite: Senior or graduate standing in engineering.	
Fall 2021	N	ME	544	Microgravity & Capillary Fluid Mechanics I	Liquid-gas flows behave significantly different in the near absence of gravity. Such flows are dominated by surface tension, i.e. capillary forces. The principles of capillary phenomena and applied capillary fluidics are reviewed from empirical, theoretical, and numerical perspectives: concepts of surface tension, wetting, and geometry. Simplified analyses are pursued to model spontaneous flows exploited in microfluidic engineering systems on earth and macrofluidic systems aboard spacecraft. Exposure to literature, lab demonstrations, numerics, and drop tower experimentation. Also offered as ME 644 and may be taken only once for credit. Prerequisite: ME 541 (may be taken concurrently) and ME 551.	
Fall 2021	N	ME	561	Buildings and health: Indoor air quality	We spend 90% of our time inside buildings and much of our exposure to air pollution occurs indoors. Students develop mass-balance models of pollutant fate, transport, and transformation for indoor spaces including parameterizing indoor sources (emissions), indoor-outdoor transport (ventilation), transformation (removal and chemical reactions), and control strategies for indoor air pollutants. Students solve developed models with analytical and numerical methods. Students use mass-balance models to inform assessment of human exposure to air pollution and infectious disease transmission. Also offered for undergraduate-level credit as ME 461 and may be taken only once for credit. Prerequisite: ME 320 or equivalent.	
Fall 2021	N	ME	564	Microgravity & Capillary Fluid Mechanics II	Advanced principles of capillary phenomena and applied capillary fluidics are pursued by empirical, theoretical, and numerical methods. Novel/publishable research projects are undertaken as teams or as individuals that exploit the unique experimental contributions of a 'low-gravity' drop tower to produce large length scale phenomena rarely observed in a terrestrial-gravity environment. Special applications are made to engineering systems aboard spacecraft. Also offered as ME 664 and may be taken only once for credit. Prerequisite: ME 544.	
Fall 2021	M	ME	565	Advanced Finite Element Applications	This course builds on the knowledge of introductory finite element modeling and analysis course to provide students with advanced working knowledge to tackle real world problems. Advanced element types such as Plate and Shell as well as Gap and Contact will be discussed. Advanced modeling and analysis topics include nonlinearity in stress analysis (including geometric and material nonlinearity), Buckling, Gap/Contact analysis, forced vibration and frequency response, advanced thermal/structural interactions, and mixed element modeling. Also offered for undergraduate-level credit as ME 465 and may be taken only once for credit. Prerequisites: ME 555 or equivalent.	Prerequisites
Fall 2021	N	ME	577	Introduction to Semiconductor Manufacturing	Introduction to semiconductor manufacturing technologies and its engineering field. Technologies studied include silicon wafer manufacturing, thermal processes, photolithography, ion implantation, etch, dielectric thin films, metallization, chemical mechanical polishing, assembly, sorting, and testing. Topics cover industry overview, technology trends and common engineering practices. The topics chosen are aligned with real fabrication facilities and are suitable for engineering and science students who want to be process, manufacturing, or equipment engineers in the semiconductor industry. Also offered for undergraduate-level credit as ME 477 and may be taken only once for credit.	
Fall 2021	N	ME	580	Boundary Layers	Presents boundary layers from a laminar and turbulent perspective. Derivation of the boundary layer equations of motion is carried out. Order of magnitude analysis and similarity solutions are discussed. Specific cases of these flows are considered. Also offered as ME 680. Prerequisite: ME 541 or equivalent.	

Fall 2021	N	ME	644	Microgravity & Capillary Fluid Mechanics I	4	Liquid-gas flows behave significantly different in the near absence of gravity. Such flows are dominated by surface tension, i.e. capillary forces. The principles of capillary phenomena and applied capillary fluidics are reviewed from empirical, theoretical, and numerical perspectives. Novel publishable research projects are undertaken as teams or as individuals that exploit the unique experimental contributions of a 'low-gravity' drop tower to produce large length scale phenomena rarely observed in a terrestrial-gravity environment. Special applications are made to engineering systems aboard spacecraft. Also offered for graduate-level credit as ME 564 and may be taken only once for credit. Prerequisites: ME 641 (may be taken concurrently) and ME 651.	
Fall 2021	N	ME	664	Microgravity & Capillary Fluid Mechanics II	4	Advanced principles of capillary phenomena and applied capillary fluidics are pursued by empirical, theoretical, and numerical methods. Novel publishable research projects are undertaken as teams or as individuals that exploit the unique experimental contributions of a 'low-gravity' drop tower to produce large length scale phenomena rarely observed in a terrestrial-gravity environment. Special applications are made to engineering systems aboard spacecraft. Also offered for graduate-level credit as ME 564 and may be taken only once for credit. Prerequisite: ME 644.	
Fall 2021	N	ME	680	Boundary Layers	4	Presents boundary layers from a laminar and turbulent perspective. Derivation of the boundary layer equations of motion is carried out. Order of magnitude analysis and similarity solutions are discussed. Specific cases of these flows are considered. Also offered as ME 580. Prerequisite: ME 641 or equivalent.	
Fall 2021	M	Mgmt	421	Design Thinking for Social Innovation	4	Design Thinking is an iterative process used to create and refine products, services, or solutions to improve the human experience. Students will learn how these principles are used for social and environmental innovation by applying course assignments to their own idea for a new social venture (nonprofit, social enterprise, or sustainable business), or to an existing social venture of their choice. Also offered for graduate-level credit as Mgmt 521 and Mgmt 521S, and may be taken only once for credit. Prerequisites: Sophomore standing or higher, competitive PSU or transfer GPA (3.0 or higher with consideration made for special circumstances), and satisfactory completion of short application.	Description and prerequisite
Fall 2021	M	Mgmt	422	Money Matters for Social Innovation	4	Developing an effective financial model is essential for any social venture, whether a nonprofit, social enterprise, or sustainable business. Apply lean startup and customer development methodologies, develop a revenue model, explore nonprofit and business legal entities, and create financial forecasts. Students will apply course assignments to their own idea for a new social venture, or to an existing social venture of their choice. Also offered for graduate-level credit as Mgmt 522S and may be taken only once for credit. Prerequisite: Sophomore standing or higher, competitive PSU or transfer GPA (3.0 or higher with consideration made for special circumstances), and completion of short application.	Description and prerequisite
Fall 2021	M	Mgmt	423	Storytelling and Impact Measurement for Social Innovation	4	Mastery of storytelling and impact measurement is a key element for successful social innovation. Learn and utilize effective personal and organizational storytelling skills, and develop a plan for measuring and reporting the social and environmental impacts of an organization. Students will apply course assignments to their own idea for a new social venture (nonprofit, social enterprise, or sustainable business), or to an existing social venture of their choice. Also offered for graduate-level credit as Mgmt 523S, and may be taken only once for credit. Prerequisite: Sophomore standing or higher, competitive PSU or transfer GPA (3.0 or higher with consideration made for special circumstances), and completion of short application.	Description and prerequisite
Fall 2021	M	Mgmt	521	Design Thinking for Social Innovation	4	Design Thinking is an iterative process used to create and refine products, services, or solutions to improve the human experience. Students will learn how these principles are used for social and environmental innovation by applying course assignments to their own idea for a new social venture (nonprofit, social enterprise, or sustainable business), or to an existing social venture of their choice. This is the same course as Mgmt 521S and may be taken only once for credit. Also offered for undergraduate-level credit as Mgmt 421 and may be taken only once for credit.	Description
Fall 2021	M	Mgmt	521S	Design Thinking for Social Innovation	4	Design Thinking is an iterative process used to create and refine products, services, or solutions to improve the human experience. Students will learn how these principles are used for social and environmental innovation by applying course assignments to their own idea for a new social venture (nonprofit, social enterprise, or sustainable business), or to an existing social venture of their choice. This is the same course as Mgmt 521 and may be taken only once for credit. Also offered for undergraduate-level credit as Mgmt 421 and may be taken only once for credit.	Description
Fall 2021	M	Mgmt	522S	Money Matters for Social Innovation	4	Developing an effective financial model is essential for any social venture, whether a nonprofit, social enterprise, or sustainable business. Apply lean startup and customer development methodologies, develop a revenue model, explore nonprofit and business legal entities, and create financial forecasts. Students will apply course assignments to their own idea for a new social venture, or to an existing social venture of their choice. Also offered for undergraduate-level credit as Mgmt 422 and may be taken only once for credit.	Description
Fall 2021	M	Mgmt	523S	Storytelling and Impact Measurement for Social Innovation	4	Mastery of storytelling and impact measurement is a key element for successful social innovation. Learn and utilize effective personal and organizational storytelling skills, and develop a plan for measuring and reporting the social and environmental impacts of an organization. Students will apply course assignments to their own idea for a new social venture (nonprofit, social enterprise, or sustainable business), or to an existing social venture of their choice. Also offered for undergraduate-level credit as Mgmt 423 and may be taken only once for credit.	Description
Fall 2021	N	MTax	529	Federal Tax Procedure	2	Reporting requirements; audits; appeals function; assessment procedures; tax litigation, particularly in the U.S. Tax Court; collections and spousal relief; penalties. Prerequisite: Admission to the Master of Taxation or the Graduate Certificate in Taxation program.	
Fall 2021	N	MTax	538	Taxation of Real Estate Transactions	2	Overview of participants and professional services often involved in real estate transactions; basic sales structures, deeds, titles, financing arrangements, closings; remedies and foreclosure; federal tax provisions applicable to both residential and commercial transactions, including non-recognition provisions; credits, such as low-income housing and rehabilitation credits. Prerequisite: MTax 530 and admission to the Master of Taxation or the Graduate Certificate in Taxation program.	
Fall 2021	M	Mth	428	Partial Differential Equations II	3	Higher dimensional equations, heat conduction in a disk, vibrating membrane, spherical problems, Bessel and Legendre functions, Green's functions, Fredholm alternative. Infinite domain problems, Fourier transform solutions, finite difference methods. This is the second course in a sequence of two: Mth 427 and Mth 428 which must be taken in sequence. Also offered for graduate-level credit as Mth 528 and may be taken only once for credit. Prerequisite: Mth 427.	Adding grading option
Fall 2021	M	Mth	528	Partial Differential Equations II	3	Higher dimensional equations, heat conduction in a disk, vibrating membrane, spherical problems, Bessel and Legendre functions, Green's functions, Fredholm alternative. Infinite domain problems, Fourier transform solutions, finite difference methods. This is the second course in a sequence of two: Mth 527 and Mth 528 which must be taken in sequence. Also offered for undergraduate-level credit as Mth 428 and may be taken only once for credit. Prerequisites: Mth 527.	Adding grading option
Fall 2021	M	Mus	145	Music Technology Lab	1	Introduction to the practical skills of navigating a recording studio, live recording set-up, and amplified music context. Basic music and audio production skills are presented. Some peripheral issues, including acoustics, software and hardware operation, mixing and archiving, session management are addressed. This is a repeatable, required course in the PSU Sonic Arts and Music Production program.	Course number changed from Mus 225
Fall 2021	D	PA	535	Regulation: Policy and Practice	3		

Fall 2021	N	PA	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 analyzing community vulnerabilities and actions to take to improve resilience. This is the same course and EMCR 535 and may be taken only once for credit.	
Fall 2021	N	PA	587	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 management and strategies for effective emergency management leadership. This is the same course as EMCR 587 and may be taken only once for credit.	
Fall 2021	M	Ph	201	General Physics	4	Introductory physics for science majors. The student will explore topics in physics including Newtonian mechanics, electricity, and magnetism, thermal physics, optics, and modern physics. This is the first course in a sequence of three: Ph 201, Ph 202, and Ph 203 and must be taken in sequence. Prerequisite: Mth 112 or Mth 251 or Aleks Placement Test score 76 or higher. Corequisite: Ph 214.	Prerequisite
Fall 2021	M	Ph	202	General Physics	4	Introductory physics for science majors. The student will explore topics in physics including Newtonian mechanics, electricity, and magnetism, thermal physics, optics, and modern physics. This is the second course in a sequence of three: Ph 201, Ph 202, and Ph 203 and must be taken in sequence. Prerequisite: Ph 201 or Ph 231. Corequisite: Ph 215.	Prerequisite
Fall 2021	M	Ph	203	General Physics	4	Introductory physics for science majors. The student will explore topics in physics including Newtonian mechanics, electricity, and magnetism, thermal physics, optics, and modern physics. This is the third course in a sequence of three: Ph 201, Ph 202, and Ph 203 and must be taken in sequence. Prerequisite: Ph 202 or Ph 232. Corequisite: Ph 216.	Prerequisite
Fall 2021	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 order. Co-requisite: Ph 214. Prerequisite: Mth 112 or Aleks Placement Test score 76 or higher.	Prerequisite
Fall 2021	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: Ph 215.	Prerequisite
Fall 2021	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 order. Corequisite: Ph 216.	Prerequisite
Fall 2021	N	Ph	274	Workshop for PH 231 General Physics I with Life Science and Medical Applications	1	Optional peer-led problem-solving sessions designed to promote the success of students in Ph 231, Ph 232, Ph 233 General Physics with Life Science and Medical Applications sequence. Corequisite: Concurrent enrollment in Ph 231 required.	
Fall 2021	N	Ph	275	Workshop for PH 232 General Physics II with Life Science and Medical Applications	1	Optional peer-led problem-solving sessions designed to promote the success of students in Ph 231, Ph 232, Ph 233 General Physics with Life Science and Medical Applications sequence. Corequisite: Concurrent enrollment in Ph 232 required.	
Fall 2021	N	Ph	276	Workshop for PH 233 General Physics III with Life Science and Medical Applications	1	Optional peer-led problem-solving sessions designed to promote the success of students in Ph 231, Ph 232, Ph 233 General Physics with Life Science and Medical Applications sequence. Corequisite: Concurrent enrollment in Ph 233 required.	
Fall 2021	M	Ph	284	Workshop for Ph 201 General Physics	1	Optional peer-led problem-solving sessions designed to promote the success of students in Ph 201, Ph 202, Ph 203 general physics sequence. Concurrent enrollment: corresponding lecture course Ph 201, Ph 202, Ph 203. Pass/no pass only.	Title changed from Workshop for Ph 201/231 General Physics. Description and prerequisite changed.
Fall 2021	M	Ph	285	Workshop for Ph 202 General Physics	1	Optional peer-led problem-solving sessions designed to promote the success of students in Ph 201, Ph 202, Ph 203 general physics sequence. Concurrent enrollment: corresponding lecture course Ph 201, Ph 202, Ph 203. Pass/no pass only.	Title changed from Workshop for Ph 202/232 General Physics. Description and prerequisite changed.
Fall 2021	M	Ph	286	Workshop for Ph 203 General Physics	1	Optional peer-led problem-solving sessions designed to promote the success of students in Ph 201, Ph 202, Ph 203 general physics sequence. Concurrent enrollment: corresponding lecture course Ph 201, Ph 202, Ph 203. Pass/no pass only.	Title changed from Workshop for Ph 203/233 General Physics. Description and prerequisite changed.
Fall 2021	M	Ph	413	Introduction to Solid State Physics	4	Experimental and theoretical survey of the lattice and electronic properties of solids with particular emphasis on the properties of electrons in semiconductors and modern materials. Expected preparation: Ph 411 or Ph 312. Also offered for graduate-level credit as Ph 513 and may be taken only once for credit. Prerequisite: Upper division standing.	Description and prerequisite
Fall 2021	M	Ph	513	Introduction to Solid State Physics	4	Experimental and theoretical survey of the lattice and electronic properties of solids with particular emphasis on the properties of electrons in semiconductors and modern materials. Expected preparation: Ph 411 or Ph 312. Also offered for undergraduate-level credit as Ph 413 and may be taken only once for credit.	Description
Fall 2021	N	PHE	215	Why Public Health Needs Indigenous Values: Intro to Decolonizing Public Health	4	As a gateway course of the OHSU-PSU undergraduate Indigenous Health Concentration, this foundational course will engage in concepts of Indigenous values, knowledge and perspectives and launch students into concepts of racial healing and racial justice for health equity. This course will introduce students to a decolonizing framework to advance health equity that centers on the strengths of Indigenous peoples.	
Fall 2021	N	PHE	315	Justice in Public Health: The Epidemic of Missing and Murdered Indigenous Women & Peoples	4	Students will investigate the Missing Murdered Indigenous Women and People epidemic through a multi-layered decolonizing framework. They will study theory and praxis centered around historical trauma from colonization, the long-term effects of colonialism, and the social and system-level responses that serve to further disempower Indigenous women and girls and perpetuate the ongoing cycle of colonial violence against them. Students will also study critical healing and strengths-based approaches drawn from Indigenous values, experiences, and perspectives to address this critical issue.	
Fall 2021	M	PHE	363	Communicable Diseases and Chronic Health Problems	4	Reviews etiology, epidemiology, and approaches to prevention of infectious and chronic diseases. Aspects of risk factors, transmission, pathogenesis, immunology, case management, and control programs are discussed. Basic human physiological processes are reviewed. Expected preparation: PHE 250.	Description
Fall 2021	M	PHE	512	Principles of Health Behavior	3	Presents the biological, psychological, behavioral, sociocultural, and environmental factors that function in the promotion of health and prevention of disease. Theories developed to explain health and illness behaviors at intrapersonal, interpersonal, and group/community levels are introduced. Ethical issues involved in health-related behavior change are examined. Satisfies the core M.P.H. requirement. Expected preparation: graduate standing. Also offered as PHE 612 for doctoral students.	Title changed from Principles of Health Behavior I, description changed, added to dual-level cross-listing
Fall 2021	N	PHE	513	Introduction to Public Health	3	This survey course intended to provide graduate students with foundational knowledge of public health and will take a population science approach to public health practice.	
Fall 2021	M	PHE	612	Principles of Health Behavior	3	Presents the biological, psychological, behavioral, sociocultural, and environmental factors that function in the promotion of health and prevention of disease. Theories developed to explain health and illness behaviors at intrapersonal, interpersonal, and group/community levels are introduced. Ethical issues involved in health-related behavior change are examined. Satisfies the core M.P.H. requirement. Expected preparation: graduate standing. Also offered as PHE 512.	Title changed from Advanced Principles of Health Behavior, description changed, added to dual-level cross-listing
Fall 2021	M	PHE	323U	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 will be explored along with ways that students can participate in this emerging movement.	Number changed from PHE 323 due to designation as junior cluster
Fall 2021	M	Phi	303U	Early Modern Philosophy	4	History of Western philosophy during the Early Modern period (17th and 18th centuries) from Descartes to Kant. Topics include nature of knowledge and reality; theories of human nature.	Number changed from Phi 303 due to designation as junior cluster

Fall 2021	M	Phl	379U	Feminist Care Ethics	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 including but not limited to business, education, healthcare, literature, political science, performance studies, and psychology. This is the same course as WS 379 and may be taken only once for credit.	Number changed from Phi 379 due to designation as junior cluster
Fall 2021	N	PS	320	Explore the Law	Interact with practicing lawyers and learn more about the legal profession through a series of workshops. Includes assistance with the law school application process such as personal statement preparation and LSAT studying. This course may be repeated for credit up to two times.	
Fall 2021	N	PS	321	Introduction to the Supreme Court	An exploration of the U.S. Supreme Court's place in America's constitutional structure, including how the Court forms and shapes policy and how political forces shape Court practices, selection, and decision-making processes.	
Fall 2021	N	PS	363	Politics of Iran	Deepens knowledge of Iran's modern political history and to enriches understanding of Iran's foreign policy. Topic will include: nuclear politics, proxy conflict, political Islam, terrorism, the politics of oil, and regional security and stability in general. The course will focus on Iran's relations with Iraq, Syria, Israel/Palestine, and the Gulf Cooperation Council (GCC) and U.S.-Iran relations.	
Fall 2021	D	PS	441	World Politics		
Fall 2021	N	PS	476	Politics of Inequality in the United States	Examines three themes: 1) How and why did economic inequality explode in the U.S. in recent decades? This level of inequality is not inevitable. We look to American politics for answers. 2) How does economic inequality intersect with other forms of inequality (e.g., gender, race, and place)? and 3) What is to be done? Students will draw from their personal experiences with inequality via exercises and assignments. Also offered for graduate-level credit as PS 576 and may be taken only once for credit. Prerequisite: Upper-division standing.	
Fall 2021	M	PS	495	Topics in Specialized Research Methods for Political Science	An examination of a specialized methodological approach and/or technique for interpreting and conducting empirical political science research. Each quarter will offer in-depth coverage of a single topic; topics will vary from quarter to quarter dependent on student interests and instructor specialty. Sample topics include: network analysis, survey research, qualitative methods, formal modeling, maximum likelihood estimation, or usage of specific statistical software applications. Expected preparation: Mth 243, Mth 244, and/or PS 491. This course may be repeated for credit with different topics. Also offered for graduate-level credit as PS 595. Prerequisite: Upper-division standing.	Title changed from Research Methods for Political Science, course description changed, repeatability changed
Fall 2021	N	PS	529	American Immigration Politics & Policy	Exploration of American immigration politics over time and into the current era. Also offered for undergraduate-level credit as PS 429 and may be taken only once for credit.	
Fall 2021	D	PS	541	World Politics		
Fall 2021	N	PS	576	Politics of Inequality in the United States	Examines three themes: 1) How and why did economic inequality explode in the U.S. in recent decades? This level of inequality is not inevitable. We look to American politics for answers. 2) How does economic inequality intersect with other forms of inequality (e.g., gender, race, and place)? and 3) What is to be done? Students will draw from their personal experiences with inequality via exercises and assignments. Also offered for undergraduate-level credit as PS 476 and may be taken only once for credit.	
Fall 2021	M	PS	595	Topics in Specialized Research Methods for Political Science	An examination of a specialized methodological approach and/or technique for interpreting and conducting empirical political science research. Each quarter will offer in-depth coverage of a single topic; topics will vary from quarter to quarter dependent on student interests and instructor specialty. Sample topics include: network analysis, survey research, qualitative methods, formal modeling, maximum likelihood estimation, or usage of specific statistical software applications. Expected preparation: Mth 243, Mth 244, and/or PS 491. This course may be repeated for credit with different topics. Also offered for undergraduate-level credit as PS 495.	Title changed from Research Methods for Political Science, course description changed, repeatability changed
Fall 2021	N	PS	316U	Politics and the Arts	Politics permeate the arts, from government support of arts organizations to battles over public art. This course examines the government's involvement in the arts. Topics include a history, modern challenges to artists and art organizations, funding, how arts policy is made, copyright protection, artists' rights, censorship, equity, and diversity. Meant for majors and non-majors who are interested in how government actions affect performing and visual artists, filmmakers, and others in the arts community.	
Fall 2021	M	PS	319U	Politics of the Environment	The human relationship with nature is a source of much political conflict and has been since the emergence of the state. This course explores the short- and long-term origins of current conflicts, the emergence of political movements around environmental issues, alternative world views regarding nature, and the distinctiveness of politics around these issues. Specific conflicts will be examined, including the relationship between human attempts to control nature and human hierarchies, population, water, and conservation of biodiversity.	Number changed from PS 319 due to designation as junior cluster
Fall 2021	M	PS	335U	Race and Politics in the United States	Provides a general survey of constraints and opportunities in American racial minority politics against the backdrop of tremendous demographic change since 1965. Explores a series of debates in American politics with an eye toward the political implications of the changing demographic mix.	Number changed from PS 335 due to designation as junior cluster
Fall 2021	M	PS	381U	Women's Leadership	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 students develop their leadership skills and meet with current women leaders in various fields.	Number changed from PS 381 due to designation as junior cluster
Fall 2021	M	PS	389U	Environmental Political Theory	Examines the conceptual and normative issues surrounding the politics of the environment, including the understanding of environmental problems suggested by various theoretical frameworks, including democratic theory, economic rationalism, sustainability, and green radicalism. Issues discussed include the idea of nature in the history of political thought, climate change, and animal rights.	Number changed from PS 389 due to designation as junior cluster
Fall 2021	N	RE	523	Real Estate Investment Analytics	Students will learn financial approach to analyzing real estate investments, analyzing case studies of investment decisions, learning spreadsheet-based software for analyzing leases and income flows, and understanding the tax implications of real estate investment. Prerequisites: RE 521 and RE 522 or permission of the instructor. RE 522 may be taken concurrently.	
Fall 2021	M	Sci	347U	Science, Gender, and Social Context I	Considers how gender, race and sexuality influence and are constructed by the theories and practice of science, using historical and contemporary examples. Explores the strengths and limitations of science to describe and predict human and non-human natural phenomena. Topics may include ecological, evolutionary, and environmental sciences. Laboratory and/or field experiences are included and emphasized. Companion course to Sci 348U; can be taken in any order. This course is the same as WS 347U and may only be taken once for credit.	Description
Fall 2021	M	Sci	348U	Science, Gender, and Social Context II	Considers how gender, race and sexuality influence and are constructed by the theories and practice of science, using historical and contemporary examples. Explores the strengths and limitations of science to describe and predict human and non-human natural phenomena. Topics may include organismal, cellular, molecular, or biomedical sciences. Laboratory and/or field experiences are included and emphasized. Companion course to Sci 347U; can be taken in any order. This course is the same as WS 348U and may only be taken once for credit.	Description
Fall 2021	M	Soc	396	Social Research Methods, Social Statistics	Introduction to the range of techniques for analyzing social science data. Emphasis on the conceptualization, operationalization, and measurement of socially based phenomena. Topics include: level of measurement, operationalization, summary statistics, probability, hypothesis tests, and the use of data analysis software (SPSS).	Prerequisite

Fall 2021	N	Soc	619	Sociology of Mental Health & Mental Illness	4	The sociological study of mental health and illness is uniquely different from the orientations of other disciplines in that it focuses on (1) identifying the social conditions that affect psychological well-being and (2) describing the processes linking the social conditions to their psychological effects. The dual aims of this course are to provide both the theoretical foundations necessary for the study of societal effects on individuals' well-being and a familiarity with relevant sociological research on mental health and mental illness. Prerequisite: Graduate student status or permission of the instructor.	
Fall 2021	N	SpEd	558	Concepts and Principles of Applied Behavior Analysis	5	Introduces students to the philosophical underpinnings of applied behavior analysis (ABA). It provides students with knowledge of ABA concepts and principles. Students will learn how to apply positive behavior support and technological methods specific to the needs of the community in such settings as schools, clinics, and homes.	
Fall 2021	N	SpEd	559	Assessing Behavior	5	Students will learn the fundamental elements of behavior assessment, how to identify behaviors appropriate for behavioral assessment, selecting behavior goals and strategies, conducting indirect and direct assessments to identify behavior function, and addressing professional issues that may arise during the process of behavioral assessment.	
Fall 2021	N	SpEd	561	PBS: Behavior-Change Strategies	5	Focuses on the design of comprehensive, multi-component, functional assessment-based behavior support plans for individuals with a variety of disabilities who engage in challenging behavior. Students learn how to apply the positive behavior support method and to choose appropriate and effective behavior-change strategies to address behavior goals. These include the use of technology and responses to ethical and professional issues in implementing behavior support plans.	
Fall 2021	N	SpEd	562	Ethical Issues in Applied Behavior Analysis	5	Students learn how to apply ethical standards that are salient to the interactions in their work, with the people they serve, and with others involved in the process (e.g., other professionals, families, systems of care, society). Although the class focuses on the BACB's Professional and Ethical Compliance Code for Behavior Analysts, other ethical standards will be reviewed as well.	
Fall 2021	N	SpEd	565	Single-Subject Research Design in Applied Behavior Analysis	5	Introduces students to the foundations of single-subject research designs and the application of single-case research methodology. The course content aligns with items on the BCBA Task List (5th Edition). It provides students with the most effective experimental research methods to measure cutting-edge treatments, such as innovative technological interventions and positive behavior support.	
Fall 2021	N	SpEd	566	Advanced Research Methods in ABA	4	Students will demonstrate their knowledge and application of single-case research methodology. Specifically, the implementation of research proposals designed to answer applied research questions specific to the needs of the local community in schools, clinics, homes, and other settings. In addition to their management of overall intervention implementation, students will assess the quality of implementation and intervention impact.	
Fall 2021	N	SpEd	567	ABA Leadership Capstone	3	As a culminating experience for students in the ABA Program, this course focuses on current issues in ABA, supports students' preparation for the BCBA® exam, and supports students in formulating their own plan for supervision and management of supervisees. The topics selected for this seminar were guided by BACB® Task List (5th ed.) on what behavior analysts should know about the science of behavior analysis, as well as providing ABA services and supervision.	
Fall 2021	M	SpHr	380	see note		see note	Course number changed to SpHr 463
Fall 2021	M	SpHr	463	Language Disorders in Children	4	An overview of developmental language disorders in children. Disorders will be presented in terms of etiology, incidence, and characteristics. Assessment issues and treatment principles will be discussed. Prerequisite: SpHr 372U.	Course number changed from SpHr 380
Fall 2021	M	SpHr	465	Introduction to Research Methods for Clinical Scientists	4	Covers designs and data interpretation methods used in clinical research. Validity threats are highlighted and discussed in the context of clinical studies. Focus on application of research principles in the evaluation of journal articles, with the goal of enabling students to critically review the literature. Prerequisite: Stat 244 or Soc 396 or equivalent.	Prerequisite
Fall 2021	N	SpHr	473	Perspectives on Disability	4	Introduces students to perspectives on disability and ableism. Students will examine definitions of disability and the history of disability, particularly as it relates to communication and clinical practice. We will investigate the influence of media on perceptions of disability and discuss how models of disability influence approaches to service provision, communication choice, intervention, and education. These issues will be examined within the framework of how ableism has evolved and is expressed within society. Also offered for graduate-level credit as SpHr 573 and may be taken only once for credit. Prerequisite: Upper-division standing.	
Fall 2021	M	SpHr	530	Evidence-based Practices in Communication Disorders	4	Focuses on the evidence-based practices of assessment and intervention in communication differences and disorders. Specifically, principles of static and dynamic assessment, intervention planning and implementation, goal writing and data collection—across communities and developmental stages. Emphasizes diversity, equity, and contextual influences on communication and social interaction. Restricted to graduate students. Prerequisites: SpHr 370 and SpHr 463.	Title changed from Clinical Management in Communication Disorders. Description changed.
Fall 2021	N	SpHr	573	Perspectives on Disability	4	Introduces students to perspectives on disability and ableism. Students will examine definitions of disability and the history of disability, particularly as it relates to communication and clinical practice. We will investigate the influence of media on perceptions of disability and discuss how models of disability influence approaches to service provision, communication choice, intervention, and education. These issues will be examined within the framework of how ableism has evolved and is expressed within society. Also offered for undergraduate-level credit as SpHr 473 and may be taken only once for credit.	
Fall 2021	M	Stat	451	Applied Statistics for Engineers and Scientists I	4	Sample spaces, probability, counting measures, discrete and continuous probability models, sampling theory, and computer applications. This is the first course in a sequence of two: Stat 451 and Stat 452 and must be taken in sequence. Also offered for graduate-level credit as Stat 551 and may be taken only once for credit. Prerequisite: Mth 252.	Add grading option
Fall 2021	M	Stat	461	Introduction to Mathematical Statistics I	3	Theory of probability, distribution of random variables, expectation and bivariate distributions. This is the first course in a sequence of three: Stat 461, Stat 462, and Stat 463 which must be taken in sequence. Expected preparation: MTH 253. Prerequisite: Mth 254 and Mth 261 or equivalent.	Description and prerequisite
Fall 2021	M	Stat	551	Applied Statistics for Engineers and Scientists I	4	Sample spaces, probability, counting measures, discrete and continuous probability models, sampling theory, and computer applications. This is the first course in a sequence of two: Stat 551 and Stat 552 and must be taken in sequence. Also offered for undergraduate-level credit as Stat 451 and may be taken only once for credit. Prerequisite: Mth 252.	Add grading option
Fall 2021	M	Stat	552	Applied Statistics for Engineers and Scientists II	3	Point and interval estimation, hypothesis testing, regression, correlation, experimental design, analysis of variance, multivariable experiments, nonparametrics, statistical quality control, and computer applications. This is the second course in a sequence of two: Stat 551 and Stat 552 and must be taken in sequence. Also offered for undergraduate-level credit as Stat 452 and may be taken only once for credit. Prerequisite: Stat 551.	Add grading option
Fall 2021	M	Stat	572	Bayesian Statistics	3	Modern applied Bayesian methods including Markov Chain Monte Carlo methods for analyzing multivariate posterior distributions. Computing will be done primarily in R using standard libraries for sampling. Prerequisite: Stat 561 or instructor approval.	Prerequisite
Fall 2021	N	SW	375	Intimate Partner Violence: Theories & Practices	4	Introduces theories, interventions, research, and complex issues associated with intimate partner violence (IPV). Survey popular/unpopular theories used to understand and explain IPV. Explores range of interventions targeting individuals & communities used by diverse stakeholders. While most IPV interventions engaged by soc serv providers target micro practice, students will explore the intersections of micro & macro violence to better understand the influence of state and structural violence on the lives of individuals & communities, particularly those from racialized groups.	

Fall 2021	M	SW	530	Social Work Practice with Individuals and Families I Theory and Engagement	3	The first in a two-course sequence focusing on social work practice with individuals and families and integration of theory into practice. Students will develop engagement and exploration skills for working with individuals and families. They will critically evaluate and apply commonly used human development theories during the engagement and exploration phase of generalist practice. A framework for critical evaluation will be presented for comparing, applying, and evaluating various development theories covered in the course. Corequisite: SW 511.	Title changed from Skills for the Helping Process – Individuals and Families, description and prerequisite changed
Fall 2021	N	SW	531	SW Practice with Individuals and Families II Theory, Assessment and Intervention	3	The second in a two-course sequence focuses on social work practice with individuals and families and integration of theory into practice. Students will develop assessment and intervention skills for working with individuals and families. They will critically evaluate and apply commonly used human development theories during the assessment and intervention phase of generalist practice. A framework for critical evaluation will be used to compare, apply, and evaluate various human development theories covered in the course. Prerequisite: SW 530.	
Spring 2021	M	SW	532	Advocacy and Empowerment	3	Builds the advocacy skills to form purposive and equitable partnerships with service users, their communities, and organizations. Includes empowerment-based practices in micro, mezzo and macro work. Healthy critique of the role of the professional social worker as "expert" is examined.	Removing corequisite
Fall 2021	D	SW	540	Human Development Through the Lifespan	3		
Fall 2021	M	SW	545	Advanced Human Behavior in the Social Environment	3	Provides an opportunity for students to explore current theoretical developments in the social and behavioral sciences which apply to social work practice including populations at risk. Taught in different sections each of which covers social and cultural contexts for human behavior in the social environment. May be repeated for additional credit. Also offered as SW 645. Prerequisites: SW 531, SW 541 or SW 589 (Advanced standing only).	Prerequisite
Fall 2021	M	SW	556	Advanced Clinical Practice in Integrated Health Care	3	Introduction to the direct practice of integrated health in primary care. Students will become knowledgeable of the roles of health providers working in primary care settings, theories and models of care, engagement, assessment, intervention, practice evaluation, and cross-cultural issues. Prerequisites: SW 530, SW 531 and SW 551, or SW 589.	Prerequisite
Fall 2021	M	SW	566	Child Welfare Seminar: Practice and Policy	1	Offered to social work students who also work in the field of child welfare across the state of Oregon. The course offers a 9-month online seminar format to discuss key practice and policy issues in child welfare and explore innovative approaches nationally and around the world. Students will deepen their knowledge of applying social work skills to their work in child welfare at both micro and macro levels of social work practice. This course is repeatable for up to 3 credits.	Title changed from Partnering with and Practicing in Child Welfare, credits changed from 3 credits, description and repeatability changed
Fall 2021	M	SW	567	Evidence Based Interventions for Community Mental Health Practice	3	Reviews and critiques evidence-based interventions for community-based mental health populations. These interventions include supported employment, assertive community treatment/case management, psychosocial rehabilitation, psychopharmacology, recovery and consumer perspectives, and integrated treatment for co-occurring substance use disorders. Theoretical frameworks include harm reduction, trans-theoretical/readiness to change, and health promotion. Prerequisites: SW 531, SW 532, or SW 589 (Advanced standing only).	Prerequisite
Fall 2021	M	SW	591	Child & Adolescent Behavior & Development in the Social Environment: Advanced Theory & Research	3	Builds on micro and macro Human Behavior in the Social Environment and research methods. Presents ecological-developmental framework and culturally sensitive theories for understanding individual, family, peer, school, community, and societal influences on child and adolescent behavior and development. Presents prevention framework for using research-based knowledge of behavior and development. Prerequisite: SW 531 or SW 589.	Prerequisite
Fall 2021	M	SW	645	Advanced Human Behavior in the Social Environment	3	Provides an opportunity for students to explore current theoretical developments in the social and behavioral sciences which apply to social work practice including populations at risk. Taught in different sections each of which covers social and cultural contexts for human behavior in the social environment. May be repeated for additional credit. Also offered as SW 545. Prerequisites: SW 531, SW 541 or SW 589 (Advanced standing only).	Prerequisite
Fall 2021	N	USP	434	Green Buildings	3	An overview of contemporary green building practices and the design and development processes essential to their success. Emphasis on strategies that have the highest economic return and/or the greatest environmental benefits. The full lifecycle of the built environment is considered, from planning and design through construction, operation, and the end of use. Also offered for graduate-level credit as USP 534 and may be taken only once for credit. Prerequisite: Upper division standing.	
Fall 2021	N	USP	485	Housing Environments for Older Adults	3	Explores physical, social, and service contexts related to housing and environments for people across the age and ability spectrums, focusing on older adults. Ecological perspectives and social theories on aging will be examined and applied and students will examine evidence regarding how older adults use, perceive, and are affected by their homes and environments. Topics include housing options, accessible and inclusive environments, supports and services, policies and politics, economics, neighborhood design, and age-friendly communities. Also offered for graduate-level credit as USP 585 and may be taken only once for credit. Prerequisite: Upper division standing.	
Fall 2021	M	USP	534	Green Buildings	3	An overview of contemporary green building practices and the design and development processes essential to their success. Emphasis on strategies that have the highest economic return and/or the greatest environmental benefits. The full lifecycle of the built environment is considered, from planning and design through construction, operation, and the end of use. Also offered for undergraduate-level credit as USP 434 and may be taken only once for credit.	Course number changed from USP 529, title changed from Green Buildings I, and added dual-level course listing
Fall 2021	M	USP	585	Housing Environments for Older Adults	3	Explores physical, social, and service contexts related to housing and environments for people across the age and ability spectrums, focusing on older adults. Ecological perspectives and social theories on aging will be examined and applied and students will examine evidence regarding how older adults use, perceive, and are affected by their homes and environments. Topics include housing options, accessible and inclusive environments, supports and services, policies and politics, economics, neighborhood design, and age-friendly communities. Also offered for undergraduate-level credit as USP 485 and may be taken only once for credit.	Title changed from Housing and Environments for the Elderly, description changed, and added dual-level cross-listing
Fall 2021	M	USP	301U	Introduction to Community Studies	4	An investigation of concepts, models and perspectives of community development practice. Explores social, cultural, religious, political economic and environmental aspects that affect community development practice. Asset-based and sustainable human development models and action research are emphasized. The course utilizes teaching cases and experts from the field and requires substantial reading reflection and discussion.	Number changed from USP 301 due to designation as junior cluster
Fall 2021	M	WLL	380	Introduction to Comparative Literary and Cultural Studies	4	Overview of the practices, methods, and materials of comparative literary and cultural studies, with an emphasis on learning specific modes of encountering creative expression from different linguistic, cultural, and national backgrounds. Introduces students to major questions, concepts, and debates in the field as well as literary works in relation to various themes, ideas, genres, and contexts. This is the same course as Eng 380 and may be taken only once for credit. Prerequisite: Upper-division standing.	Change description, add cross-listing with ENG 380, and remove repeatability
Fall 2021	M	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 competency can optionally develop skills to produce translations of their own. This course may be repeated for up to 8 credits. This is the same course as Eng 381.	Added cross-listing with ENG 381

					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 different expectations or requirements for genres. Readings and discussions are in English. This course may be repeated for up to 8 credits. This is the same course as ENG 383U.	
Fall 2021	M	WLL	383U	Topics in Comparative Literature, Film and Comics	4	Added cross-listing with Eng 383U
Fall 2021	D	WR	324	Advanced Writing About Literature	4	
Fall 2021	M	Wr	327	Technical Report Writing	4	Description
Fall 2021	M	WR	425	Advanced Technical Writing	4	Description, prerequisites, and repeatability
Fall 2021	N	WR	480	Advanced Book Design	4	
Fall 2021	N	WR	481	Ebook Production	4	
Fall 2021	M	WR	525	Advanced Technical Writing	4	Description and repeatability
Fall 2021	M	WR	579	Researching Book Publishing	4	Description and repeatability
Fall 2021	N	WR	580	Advanced Book Design	4	
Fall 2021	N	WR	581	Ebook Production	4	
Fall 2021	N	WS	422	Critical Perspectives on Quantitative Analysis	4	
Fall 2021	N	WS	522	Critical Perspectives on Quantitative Analysis	4	
Fall 2021	N	WS	344U	Queer Ecologies	4	
Fall 2021	M	WS	347U	Science, Gender, and Social Context	4	Description
Fall 2021	M	WS	348U	Science, Gender, and Social Context	4	Description
Fall 2021	N	WS	374U	Memoir, Gender, and Sexuality	4	

Fall 2021	M	WS	379U	Feminist Care Ethics	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 including but not limited to business, education, healthcare, literature, political science, performance studies, and psychology. This is the same course as Phil 379 4 and may be taken only once for credit.	Number changed from WS 379 due to designation as junior cluster
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