UCI Sustainability Continuing Education (CE)
Course Inventory 2021
2020-2021

Total number of CE courses offered:	323
Sustainability-focused CE courses:	19
Sustainability-inclusive CE courses:	75
Total sustainability-related CE courses:	94
Percentage of sustainability-related CE courses:	29.102%

Year	Term	Catalog ID	Department	Course Title	Course Description	Keywords	Focused	Inclusive
2021	SPRING	ANTHRO_X497.36	Anthropology	Communicating Across Cultures	This course focuses on communicating across diverse cultures in today's complex global business world. Culture affects and is affected by the communication practices we use. As the world of work becomes more globally interconnected and culturally diverse we need to successfully communicate across cultures and effectively handle diversity. Different cultures have different meanings for verbal and nonverbal communication and negative consequences can result when those cues are misinterpreted. This course increases sensitivity to other cultures and increases awareness of our own cultural backgrounds. Students will develop the skills to deal with the challenges of intercultural communication in a variety of work contexts and apply the principles of effective intercultural communication through theoretical, ethnographical, and practical tools from the interpersonal to global level.	culture, cultural diversity, diversity, global, cultural heritage		x
2021	WINTER	BME_X406	Biomedical Engineering	Medical Device Risk Management	Risk management integrated into the overall quality management is one of the main components for global medical device compliance. To meet the approval requirements for almost every regulated market a comprehensive implementation and documentation of a full risk management lifecycle has to be demonstrated. This course introduces the major components necessary to achieve global regulatory compliance and approvability. The main emphasis is on European and US regulation. A practical path to implanting a successful risk management system across different subsystems will be presented. The main issues covered are risk management, compliance with IEC60601-1, usability engineering and software risk management.	global health risk, health, human health, public health, policy, law and regulation, safety, lifecycle		x
2021	SPRING	CEM_X492.41	Environmental Management	Biological Principles of Environmental Management	Extensive exposure to contaminants released in environmental and occupational settings can impact human and environmental health. Students will gain an understanding of the biological principles relating chemical exposures to adverse human and environmental health outcomes. Students will also explore current thinking on public and environmental health; environmental risk assessment; environmental risk management and control; and, regulatory perspectives. Students will be able to apply information obtained from toxicological and environmental health studies to the process of assessing, managing and controlling environmental risks. Lectures are supplemented by examples and lessons learned from active and current case studies.	human health, environment, public health, public policy, law and regulation, environmental hazards		x
2020	FALL	CHC/LAT_XI64	Chicano and Latino Studies	Introduction to Race and Ethnicity in Political Science	The course examines major theories that attempt to explain the roles of race and ethnicity in U.S. politics. Particular attention is paid to institutions, ideologies, attitudes and behaviors that shape how White, Black, Asian, Latino and Indigenous people navigate the American political system, as well as with one another. Themes around which this course will revolve include: 1) The legal and social construction of race and ethnicity, and the meaning attached to these catagories, 2) Incorporation of socially marginalized groups into the American political system, and potential impediments to the substantive advancement of group interests, and 3) Relationships between and among racial/ethnic groups, and the prospects for cooperation and conflict between groups.	indigenous peoples, vulnerable communities, law and regulation, public policy, social, cultural heritage		x
2021	WINTER	ECON_X420.20	Economics	Ethics in Accounting	Introduces ethics and ethical frameworks. Describes virtue, justice and social responsibilities. Analyzes unethical behavior such as greed, corruption, fraud, and earnings management. Reviews professional rules of conducts for accountants, including discreditable acts, confidentiality, independence and conflicts of interest.	social, responsibility, justice, economic justice, ethics, ethical, corruption		x
2021	SPRING	EDUC_X300.71	Education	Promoting a Culture of Literacy	Develop an in-depth knowledge about how to define, promote, and assess an effective culture of literacy at the classroom, school, district, and community levels. In this course, participants review the foundational beginnings of our national culture of literacy. Students read and analyze current research to discuss its application in promoting a rich culture of literacy across all domains of language (reading, writing, listening, and speaking), in a variety of contexts, and with a variety of texts (expository, informational, and narrative). Course content also considers ways in which the language and literacy experiences of all students can contribute to a culture of literacy which honors students' abilities, skills, and diverse backgrounds.	culture, diversity, disability-sensitive, cultural diversity, literacy, education		x
2021	WINTER	EDUC_X300.75	Education	21st Century Literacy	Learn how to characterize 21st Century Literacy Skills. Use methods to incorporate information literacy skills in classroom activities in which students learn to access, evaluate, use, and integrate information and ideas found in print, media, and digital resources. This process enables them to function in a knowledge-based and technology-oriented society. Course content considers multimedia literacy, techniques to help students synthesize expository text (online and offline), and research on technology use in the classroom. Students review the critical aspects of multiple digital literacies for 21st century skills necessary for success in today's global economy.	literacy, global, economic, education, society		x
2020	FALL	EDUC_X321.18	Education	Preventative Health Practices for Early Childhood Education	This course covers the areas of preventative health practices required to be taken one time by AB243 for early childhood educators. Areas of instruction include: infectious disease and immunizations; and prevention of childhood injuries, sanitary food handling, child nutrition, emergency preparedness and evacuation, caring for children with special needs, and identification and reporting of signs and symptoms of child abuse.	emergency preparedness, disability-sensitive, malnutrition, food, food security, communicable disease, persons with disabilities		x
2021	SPRING	EDUC_X372.2	Education	GATE: Meeting Social and Emotional Needs	Study the particular developmental aspects of gifted students in order to identify their unique social and emotional characteristics. Examine psycho-social concepts related to personality, maturation, and creativity. Investigate gifted students' motivation, self-concept, and achievement and analyze the implications of these for classroom instructional strategies. Intervention strategies to meet the psychological and affective needs of the gifted student will also be considered. You will learn to identify the unique requirements of specialized populations of gifted and talented students, such as underachieving students, special needs students, as well as examine gender issues in giftedness.	gender disparities, gender equality, social, development, disability-sensitive, gender-sensitive, persons with disabilities, quality education, education		x
2020	FALL	EDUC_X393.1	Education	Educational Leadership	Theories of leadership, organizational behavior, judgment, and decision making. Comparison of management and leadership perspectives. Role of the leader in various contexts. Analysis of approaches to issues such as decentralization, the change process, and student rights.	adapt, rights, representative decision-making, responsive decision-making, power		x
2021	SPRING	EDUC_X393.21	Education	Management of Human and Material Resources	Concepts, theories, and application for the development and management of human resources. Effective staff utilization patterns in consideration of personnel competencies, organizational constraints, and available resources. Emerging considerations in developing and implementing effective personnel policies. Short- and long-term planning for filling personnel needs.	education, resources, planning, quality education		x

Year	Term	Catalog ID	Department	Course Title	Course Description	Keywords	Focused	Inclusive
2020	FALL	EDUC_X393.3	Education	Cultural and Socioeconomic Diversity	Contemporary issues of cultural and socioeconomic diversity in public education. Ethnic, racial, and religious composition of the State and local community. Concepts of cultural values and language diversity. Programs and procedures for meeting instructional needs of limited English proficient pupils. Principles and procedures for involving the family in school activities.	culture, diversity, cultural diversity, education, community		x
2020	FALL	EDUC_X393.4	Education	Governance, Organization & Administration	This course includes the study of political, social and economic forces affecting public school systems. Federal, State and County mandates and policies related to funding requirements, court decisions, and other influences are discussed. The organization, administration and control of local school districts including school boards, administrators, unions, professional organizations, and pressure groups are given thorough attention. Concepts of authority, power and influence will be examined.	power, social, policy, education, governance, law and regulation		x
2021	WINTER	EDUC_X393.5	Education	Leadership in a Community Culture	Students will develop an understanding of the complexity associated with developing a school community and relating to a school's communities. This course provides an opportunity to explore and practice demonstrating leadership skills to develop a coherent community of practice by working with teachers to optimize student learning. In addition, students will have an opportunity to learn how to work effectively with families and community members; recognize the goals and aspirations of diverse families; respond to diverse community interests and needs; and mobilize community resources in the service of student achievement. The major emphasis of this course is on developing the knowledge and skills necessary for a school principal to develop and maintain a school community and manage community resources to optimize opportunities for student learning.	diversity, diverse, community, resource efficiency, education		x
2021	WINTER	EDUC_X393.61	Education	School Law and Fiscal Management	This course integrates the study of the legal and financial frameworks of public schools as each framework interacts with political processes and policy-making, including philosophical influences and political jurisdictions affecting educational policies and practices, influence of legal aspects to educational control, political and sociological aspects to educational control, political and sociological forces directly and indirectly affecting school practices, and theory of individual and group dynamics in achieving compromise, consensus, and coalitions to achieve educational goals. This course introduces students to federal and state laws and court cases that regulate public education operations and financing in California. The course focuses on current issues facing educators including the interaction between law, politics, and public education. In addition, this course explores the organization and management of financial and business operations, funding sources and problems affecting financing at State and local levels, business office operations, budget preparation, financial management strategies and control, and facility construction projects.	law and regulation, policy, public policy, education, local culture, infrastructure, building		x
2021	SPRING	EDUC_X393.71	Education	Focus on Student Achievement	An emphasis on using data to guide instructional practice and promote student achievement. Students will access their own school data to make instructional and curriculum decisions for improving student achievement. Various data sources will be examined to support the development of a data driven culture. Students will be studying a continuous improvement model to undertake a data analysis and identify equity gap/s, root causes, problem statements resulting in planning for school improvement.	equity, equitable, gap between rich and poor, education, culture, empower		x
2021	SPRING	EDUC_X393.9	Education	Curriculum Design and Management	Historical and contemporary principles of curriculum development. Basis for curriculum decisions: theories and techniques of curriculum planning. Development of educational programs: multicultural and socioeconomic considerations, evaluation, and staff development. Principles of curricular alignment including delivery, materials, and assessment.	culture, cultural diversity, development, education, design		x
2021	WINTER	EDUC_X406.81	Education	American College Consulting for the International Student	This course is an introduction to advising the student living outside of the United States who is looking at American options in higher education. This course will examine how advising the international student, or American student living overseas, varies from counseling the domestic student. Sometimes even basic concepts are subject to misinterpretation, and diverse attitudes and expectations must be approached with cultural sensitivity and awareness. Cultural adjustment to the U.S. as well as campus life must also be considered in order for the student to be successful. In addition to understanding cultural considerations, by the end of this course, students will be able to articulate why international students would choose an American higher educational experience, be able to compare the mechanics of the international college application process with that of the more traditional domestic student, assist families to understand financial and visa matters, know how to assess and advise on options when the student is not yet academically ready for the American university experience, and defend and represent ethical practices in international consulting.	education, culture, cultural diversity, cultural heritage, international, diversity, cultural diversity, travel		x
2021	SPRING	EDUC_X406.82	Education	International College Consulting for the American Student	This course is an introduction to advising the high school student in the United States who is looking at international English language options in higher education. This course will give an overview of bachelor degrees taught in English at universities in Canada, Europe (particularly Holland), and the United Kingdom and will explain how the education models differ from US colleges. Cultural adjustment to the host country as well as campus life must also be considered in order for the student to be successful. In addition to understanding cultural considerations, by the end of this course students will be able to articulate both the benefits and the drawbacks of attending university in another country. Students will acquire resources for understanding the mechanics of the application process, to find entry requirements for these systems, and to be able to assist families to understand financial and visa matters.	education, culture, cultural diversity, cultural heritage, international, diversity, cultural diversity, travel		x
2021	WINTER	EDUC_X417.2	Education	Project Management for E-Learning Professionals	Purposeful planning and project management are key to the success of any training program. In this course, students are introduced to the skills required to successfully manage the development and implementation of online training projects. Students learn various project management concepts and processes that can be applied to projects in a real-world training environment. The class will include techniques for managing stakeholder expectations in the context of organizational dynamics. Students learn the project management skills needed to manage the constraints of time, cost, and scope. The class will cover the human resources processes for organizing and managing the project team.	planning, power, multi-stakeholder partnerships, resources		x

Year	Term	Catalog ID	Department	Course Title	Course Description	Keywords	Focused	Inclusive
2021	SPRING	EDUC_X485.1	Education	Theories of TESOL	Participants will examine the theories and philosophies that have historically influenced language instruction. This course will demystify the language acquisition process and provide participants with a thorough understanding of the essential theoretical descriptions and subsequent processes in second language development. Participants will explore the psychological, cognitive, socio-cultural and pedagogical factors that affect language learning and current teaching methods in TESOL.	social, cultural diversity, culture, cultural heritage, cultural significance		x
2021	WINTER	EDUC_X485.9	Education	Teaching English Internationally	English has become the most predominant language through which people communicate, connect, and transact business cross-nationally in the emerging global community of the 21st century. The increased fluidity of international borders, the relative ease of travel, and the advent of multinational corporations has made the demand for quality English language programs and qualified TESOL instructors higher than ever. This course is designed to provide support to individuals planning to seek international employment as English language instructors and it will help prepare participants for the international teaching experience by considering means of adapting to a new cultural milieu and examining a variety of international teaching contexts. Participants will learn how to go about finding international employment opportunities and will be guided in assessing employment options to acquire an optimum teaching position. Participants will investigate a country of interest to them and will learn how to evaluate international employment contracts.	education, culture, cultural diversity, cultural heritage, global, diversity, cultural diversity, travel, design		x
2020	FALL	EECS_X445.23	Electrical Engineering and Computer Science	Medical Device Design, Evaluation, and Commercialization	Explore the opportunities and need for medical devices through the examination of mortality and morbidity with special attention to medical problems that affect patients' productivity. A market and need-driven systems engineering approach is applied to the examination of medical device design. The designs of medical devices are then studied through a layered approach of examining the underlying physiological mechanisms, the applicable biomedical sensors and actuators as well as the control processing power requirements. Exemplary medical device solutions are studied.	global, health, human health, public health, global health risks, preventable death, safety, design		x
2021	SPRING	EECS_X445.26	Electrical Engineering and Computer Science	Regulatory Requirements for Pharmaceutical Products	This course presents a detailed overview of the regulatory requirements for the discovery, development, and commercialization of pharmaceutical products (drugs and biologics). Individuals involved in manufacturing, quality control, research and development, and clinical studies will learn the latest information. Explore topics that include the product development process through commercialization, product characterization and pre-clinical evaluation, pharmaceutical industry requirements, clinical trial requirements, good manufacturing practices (GMPs), good laboratory practices (GLPs) and inspections, labeling medical products and writing Food and Drug Administration (FDA) submissions.	global, health, policy, human health, public health, global health risks, law and regulation, manufacturing		x
2021	SPRING	EECS_X497.32	Electrical Engineering and Computer Science	Fundamentals of Embedded Systems Design and Programming	Gain an overview of embedded systems applications and design procedures, and learn how to plan and execute complete embedded systems designs that are cost-effective and competitive. You will gain the knowledge needed to determine and document system requirements for new designs as well as for improving existing systems. In addition you will learn analysis techniques for optimizing system specifications as well as selecting microcontrollers for specific designs. Hands-on development is facilitated with the XMEGA-A3BU embedded system development kit.	development, efficiency, planning, design, energy, electric		x
2021	WINTER	EECS_X497.36	Electrical Engineering and Computer Science	Embedded Systems Architecture	Learn about the architecture of embedded systems and explore the difference between embedded design and traditional electronic device design. The special demands on embedded systems including real-time programming, portability, low power usage, and miniaturization dictate a different approach. The course introduces models and architectures, and covers such topics as specification, system partitioning, design quality, and developing synthesizable models.	development, efficiency, electric, design, energy, energy efficiency		x
2021	SPRING	ENGRCEE_X460	Civil and Environmental Engineering	CEQA Air Quality and Greenhouse Gas Analyses	This class will provide an overview of the air quality requirements of the California Environmental Quality Act (CEQA). The CEQA air quality requirements have been changing and becoming increasingly challenging over the past few years. This course will discuss the regulatory background and framework for Air Quality and Greenhouse Gas (GHG) CEQA compliance. We will then review and discuss the elements required to prepare the Air Quality and GHG Sections essential to a Mitigated Negative Declaration (MND) or Environmental Impact Report (EIR). We will detail the methodologies and practices for quantifying emissions and performing air dispersion modeling and health risk assessments.	greenhouse gas, climate, environment, air quality, climate change, air pollution, law and regulation	x	
2021	WINTER	ENGRCEE_X468.3	Civil and Environmental Engineering	Clean Water Program Regulations and Management	Gain an in-depth understanding of the impact and control of water pollution from urban runoff and other human activities. Grasp new insight into the evolving role of comprehensive watershed protection management. Enhance your knowledge of topics that include: review of the permitting and monitoring requirements for construction, industrial, commercial, and residential activities with emphasis on Best Management Practices (BMPs); management of urban runoff from the facility, community and watershed perspectives; Low Impact Development (LID); Hydro-modification Plan (HMP); receiving waters Total Maximum Daily Loads (TMDLs); and the roles of education and enforcement in the successful management of urban runoff pollution. A field trip provides hands-on, practical experience utilizing BMPs.	water, pollution, urban, education, water quality	x	
2020	FALL	ENGRCEE_X468.5	Civil and Environmental Engineering	Assessment and Remediation of Environmental Contamination	Explore the introduction of the issues relevant to the investigation and management of contaminated sites, emphasizing problem diagnosis/characterization and the development of site remediation and restoration. This includes methods for the development of site restoration tasks, methods for evaluating the progress of corrective action programs, and the application of risk assessment methods as a decision-making tool. The focus is to synthesize technically sound principles and techniques that can be applied globally to contaminated sites in different regions of the world.	contamination, global, pollution, responsive decision-making, restoration	x	
2021	SPRING	ENGRCEE_X499	Civil and Environmental Engineering	Applied Dynamic Modeling for Wastewater	Through a combination of theory and case study applications, the course provides practical experience on how to apply dynamic modeling simulators to design, operate, and optimize wastewater treatment plants. Particular emphasis is placed on turning plants into water resource recovery facilities by generating energy, fertilizers, and water for reuse. During the course, participants will have full-time access to a dynamic simulator, so they can implement themselves strategies and evaluate their operational costs. Energy savings and generation of electricity with biogas receive particular attention. Modeling calibration techniques are taught and implemented to achieve effluent quality standards.	water, water quality, wastewater, water resources, energy, renewable energy, alternative energy	x	

Year	Term	Catalog ID	Department	Course Title	Course Description	Keywords	Focused	Inclusive
2021	SPRING	ENGRMAE_X422	Mechanical and Aerospace Engineering	Air Quality Permitting and Compliance Issues	Gain an in-depth understanding of SCAQMD air quality permitting and regulatory compliance as applied to Industrial and Government facilities. Explore the responsibilities and regulations of air quality management agencies on federal, state and local levels. Prepare for the SCAQMD Certified Professional Permitting exam. Get instruction for permit application preparation and examine issues related to permitting and compliance such as identifying and quantifying emissions, calculating air toxic health risks, and determining rule compliance. Learn about the Federal Clean Air Act revisions (including Title V), the California Clean Air Act, AB 32 Greenhouse Gas Legislation, and the SCAQMD RECLAIM Program. This course will assist those studying to take the SCAQMD's Certified Permitting Professional exam.	emissions, toxic, climate, environment, air quality, climate change, air pollution, law and regulation	x	
2020	FALL	ENGRMAE_X429.1	Mechanical and Aerospace Engineering	Principles of Heating, Ventilation, Air Conditioning (HVAC)	Gain practical knowledge on heating, ventilation, air-conditioning and refrigeration systems as applied to building comfort systems. Enhance your knowledge of all aspects of HVAC-R systems. Explore topics that include: thermodynamics, psychrometrics, forced air and hydronic heating systems, LEED certification levels, and current issues regarding building sustainability. Facilities managers, building engineers, and maintenance and service mechanics will find this course of interest.	LEED, air, climate, sustainability, infrastructure, energy, environment	x	
2021	WINTER	I&C SCI_X426.61	Information and Computer Science	Data Exploration, Analytics and Visualization	Once data has been effectively collected, structured and cleaned, it's time to explore and uncover applicable meaning from the data. Learn the basics of how to use processes and tools from machine learning, data mining and predictive analytics to begin this journey. Understand how to collect and gain value from the vast amount of often untapped un-structured (text) data. Key industry processes for understanding and utilizing data and developing predictive and related models will be covered. An overview of related topics including Graph Analytics (PageRank, community detection, recursive queries, iterative processing) and data provenance, privacy, ethics, governance will also be covered. Students will also learn techniques for visualizing data including multivariate, temporal, text-based, hierarchical, and network/graph-based data.	ethics, governance, human rights, community		x
2021	SPRING	I&C SCI_X427.01	Information and Computer Science	Business Intelligence & The Data Warehouse Development Process	Learn how to make better business decisions, use fewer resources, and improve your company's bottom line by developing and using a data warehouse. This course provides an overview of business intelligence and data warehousing and gives you a look at all the major facets of developing and using a data warehouse to make effective business decisions. Students will work on a single project to develop a comprehensive project plan and business case for a data warehouse including how to develop a dimensional model, a data staging process, and a data access process. Additional topics will include information on careers working with business intelligence and data warehousing as well as the educational requirements for this field.	efficiency, waste management, reduction, resource, resource efficiency, development		x
2021	SPRING	I&C SCI_X465.00	Information and Computer Science	Introduction to Cyber Security	This course will focus on the basic computer security concepts as it pertains to logical and physical security at corporate or remote arenas including mobile workforce. The introductory course will expose the student to various design principles of trusted computing bases, legal regulations, investigation and compliance requirements, secure computing concepts, numerous security protocols and principles, practical networking security methodologies, and an introduction to business continuity and disaster recovery concepts.	emergency preparedness, law and regulation, policy, disaster, resilience		x
2021	SPRING	MED_X413.41	Medicine	Good Laboratory Practices	Increase your understanding of the processes of application and compliance with FDA's Good Laboratory Practice (GLP) regulations for the conduct of animal/in-vitro (non-clinical) safety studies. Learn about sponsor obligations and important considerations to evaluate a contract laboratory. Develop new insights into topics that include: the applicable regulations from the Code of Federal Regulations (CFRs), and their history, typical methods of compliance, process of GLP integration into the drug/device/biologic development process, ethics pertaining to animal care and use, applicable Quality Assurance (QA) and Quality Control (QA) processes, GLP documentation management, and the FDA's GLP Inspection program. Gain an overview of the changing scope of the GLP regulations as well as its impact on biomedical research, and the future trends.	ethics, safe, law and regulation, policy, rights		x
2021	SPRING	MGMT_X404.5	Management	Leading Across Cultures	This course addresses the leadership skills and competencies that are requisite for leading across cultures in a global business environment. Participants will learn from frameworks, principles, and practices regarding how to leverage their cross-cultural business experiences for greater influence and effectiveness across cultural contexts (teams, organizations, regions, countries, etc.). This course is designed to develop participants' recognition and understanding of the biases and implicit assumptions about other cultures (ethnic, racial, national, gender, generational, functional/professional, etc.) that often erode value for organizations in global business environments and undermine leadership effectiveness in such contexts. Participants will learn how implicit bias plays a key role in organizations and many decision-making processes driven by global leaders, and how the development of CQ capabilities is critical for limiting implicit bias and its negative impact across global organizations.	culture, diversity, cultural diversity, international, gender, gender-sensitive, global		x
2021	WINTER	MGMT_X407.10	Management	Ethics in Contracting	Explore the field of ethics in the various contracting sectors, commercial, federal government and international. A range of constituencies with whom the contracts professional interacts, including employees, customers, suppliers, governments and the public at large, will be discussed. Subjects to be examined range from "Why Study Ethics" to specific ethical topics for each sector being explored. Develop the skills necessary to understand your role to increase an organization's ethical sensitivity.	ethics, law and regulation, policy, international, global, culture		x
2021	WINTER	MGMT_X426.32	Management	Introduction to Spa & Wellness: Industry and Operations	Explore the history and evolution of the spa industry and its place within the global wellness market. Obtain an overview of the convergence of spas, healthcare, tourism and hospitality among others within this global landscape. Review current business models, definition and market segmentation of the spa sector including day, resort, medical, destination, wellness/ lifestyle management programs, as well as emerging trends. Discuss spa operations from the standpoint of maximizing business success and acquire the knowledge and skills required to manage and operate a profitable spa or wellness center. Topics include: market review and competitive analysis, an overview of current industry statistics, and spa/wellness menu development. This course will also include an introduction to generating revenue, retailing, customer service, human resources, developing standard operating procedures, and effective reservation protocols.	wellness, travel, resources, health, health worker, human health, global, international		x

Year	Term	Catalog ID	Department	Course Title	Course Description	Keywords	Focused	Inclusive
2021	SPRING	MGMT_X426.33	Management	Human Resources Management in Spa & Wellness	Explore human resources management techniques in a spa and wellness environment, including employee recruitment, training, progressive coaching, and termination. Examine the hiring process to gain a better understanding of the administrative requirements, hiring process, and retention strategies. Topics include staffing metrics, recruitment methods, and related employment law. Learn how to engage, motivate, and lead a team to accomplish business goals and create a positive impact in the world. Review the importance of developing a positive workplace culture, fostering employee engagement and motivation, setting and accomplishing goals, and creating meaningful work while maximizing business success.	wellness, well-being, culture, policy, law and regulation, travel, global, health worker, health, engage		x
2021	WINTER	MGMT_X426.34	Management	Spa and Wellness Financial Management	Obtain a comprehensive application of financial management for spa and wellness operations. Review the components of financial statements, daily revenues and expenses, cash flow, ratio analysis, and basic principles of accounting and financial responsibility. Experience problem-solving methods and apply them to realistic scenarios in the spa and wellness industries. Analyze and evaluate techniques designed to maximize efficiencies resulting in improved profitability and greater financial success.	wellness, well-being, responsibility, design, health, responsibility, efficiency		x
2021	SPRING	MGMT_X442.7	Management	Leadership for Facilities Professionals	Facilities managers manage both facilities operations and personnel. Gain practical knowledge that can be used on the job to enhance your leadership skills and improve productivity. Explore topics that include: a supervisor's role within an organization, verbal and written communication skills, problem-solving techniques, managing a budget, strategic planning, ethics, and team development. If you supervise or manage within a facilities management organization or in an environment where technical, professional, or trades people are working, this course is for you.	ethics, development, collaborative, representative decision-making, planning, power		x
2021	WINTER	MGMT_X450.1	Management	Foundations of Human Resources Management	Human resources management is vital to the financial health and productivity of all organizations. This important function provides the crucial link between management and employees in the public and private sector. In this course you will learn the fundamentals of human resources management. Begin by acquiring an in-depth understanding of the charter and mission of human resources in the industrial, service and public sectors. Then multiply your role and knowledge of the major elements of the personnel process including recruiting, interviewing, wage and labor issues, benefits, compensation, employment, regulations, documentation and termination, while gaining an insider's grasp of employee relations, work force diversity and human resources planning and research. Finally, you will address various theories regarding employee morale, organizational behavior and group dynamics. If you are interested in changing or advancing your career, this course will give you an overview of this growing field.	diversity, equal pay, gender pay gap, labor rights, labor standards, full employment, resources, law and regulation, planning		x
2021	WINTER	MGMT_X450.3	Management	Compensation and Reward Systems	Increase your understanding of all phases of wages, salaries, bonuses and incentives as they relate to various industries, functions and levels of your organization. Learn how to set and reach realistic compensation goals and create realistic and comprehensive job descriptions and effective job evaluations while exploring the legal requirements of employee compensation. This course also gives you the latest facts about wage and salary surveying practices, the most advanced techniques for relating job performance to compensation and developing individual and group incentive programs as part of employee total compensation.	equal pay, gender pay gap, gender disparities, gender equality, equality, equity, law and regulation		x
2021	SPRING	MGMT_X450.87	Management	HR Digital Tools & Workplace Trends	This course is designed to develop knowledge and skills needed to better navigate in today's workplace when it comes to the increased use of digital tools, the rising gig economy, and the impact being made through flash mentoring. Modules will cover key aspects of the topic being addressed, and result in a "best practices" guide which can be applied to work settings. This program is aimed at providing real tools and techniques to equip today's Human Resource professional (or soon to be joining the field) with necessary information to engage in better conversations, and make more informed decisions, when it comes to significant changes seeping into today's workplace.	culture, global, adapt, design, responsive decision-making, resource, engage		x
2021	WINTER	MGMT_X452.1	Management	Human Resources and the Law	This course covers the primary basic federal and state laws which come to bear on the practice of human resources management, and which govern employer-employee relations. The course addresses employment law topics including the hiring process, employment at-will, wrongful discharge, employment discrimination, harassment in the work place, leaves of absence, employee privacy issues, wage and hour issues, union organizing and collective bargaining. The course also will help students organize and create a fair and positive working environment, and avoid costly lawsuits by learning how to design and implement employment policies and practices that are lawful and effective. Students also will learn effective ways in which to conduct investigations into employee misconduct, will be given an opportunity to apply various employment law subjects to actual and hypothetical problems discussed in class.	gender disparities, equal pay, gender pay gap, discrimination, law and regulation, policy, human rights, harassment, ethics, design		x
2020	FALL	MGMT_X454.17	Management	Building a Talent Pipeline From Within	Succession planning is a vital part of assuring organizational continuity and growth, while also serving as a mechanism to support employee development and advancement. This course explores the methodologies and applications through which high-performers are coached to consider the vitality of their roles, understand the influence of their decisions and recognize the ways their future employees will best respond to their leadership. Topics include reducing turnover, modern succession planning tactics, mentorship structures and the necessity and benefit of constant learning.	planning, representative decision-making, power		x
2021	SPRING	MGMT_X456.71	Management	Leading Successful Organizational Change	Managing change in an organization is a dynamic process. Effective change maximizes the alignment between an organization's strategies, structure, systems and culture. It requires an understanding of the systemic inter-relationships among these factors and how changes in one can affect another. This course focuses on planning and implementing change in organizations, with an emphasis on both Methodology and the role of leadership. Participants examine the personal and professional competencies and skills required of individuals who initiate, manage, and are affected by change.	culture, power, planning, adapt, responsive decision-making		x
2021	WINTER	MGMT_X464.44	Management	Event Administration and Stakeholder Management	Event administration is a core competency requirement for professional meeting and event management. This course examines the capabilities required for effective and efficient management of events and event organizations of all sizes and types. Learn how effective communications and a sound organizational structure will ensure a successful and sustainable event. Master leadership skills that will ensure that all of your event stakeholders can contribute to the success of the event and event organization.	sustainable, planning, multi-stakeholder partnerships, representative ddecision-making		x

Year	Term	Catalog ID	Department	Course Title	Course Description	Keywords	Focused	Inclusive
2020	FALL	MGMT_X470.1	Management	Supply Chain Management Communications	To compete effectively in today's global marketplace, a company must have a competitive supply chain. The ability to communicate rapidly and accurately along the supply chain with customers and suppliers, locally and globally, enhances supply chain competitiveness. Communication is considered one of the most significant skills anyone can have, and making certain that it is at the forefront of your interaction with your team is what can make you a successful supply chain manager. This course focuses on the practical application of business communications, best practices, motivation, conflict resolution, negotiation, stress management, and effective leadership in the supply chain context.	lifecycle, global, resource efficiency, resources, well-being, representative decision-making		x
2021	WINTER	MGMT_X470.2	Management	Supply Chain Management Strategy	Supply chain management operates at three levels; strategic, tactical and operational. At the strategic level, company management makes high level strategic supply chain far-reaching decisions that are relevant to the entire organization. The decisions that are made with regards to the supply chain should reflect the overall corporate strategy that the organization is following. The strategic supply chain processes that management has to decide upon will cover the breadth of the supply chain. These include product development, customers, manufacturing, vendors and logistics. This course focuses on the supply chain strategic methodologies and best practices.	lifecycle, global, resource efficiency, resources, well-being, representative decision-making		x
2021	SPRING	MGMT_X470.3	Management	Supply Chain Management Tactics	Tactical decisions about supply chain should focus on producing cost benefits and should coincide with an organization's overall operational plan. Learn how to maintain good long-term buyer-seller relationships. Supplier management best practices in the areas of just-in-time inventory, logistics, and handling emergency situations and special requests will be explored.	lifecycle, global, resource efficiency, resources, well-being, representative decision-making, emergency preparedness		x
2021	SPRING	MGMT_X472.21	Management	Sport Management Essentials	This course will introduce students to the inner workings of the sport industry and what makes it unique. As one of the most competitive markets to work in, students will begin acquiring the necessary knowledge and skills to work in sports. Areas of study include governance, finance, event management, marketing and communication, ethical and sociological aspects of sport, and how to get a job in sports. Students will use informational interviews, resume development, and personal site portfolio development as the first step toward working in the sport industry.	governance, development, ethical, society, gender disparities, law and regulation		x
2021	SPRING	MGMT_X472.22	Management	Sport Facilities & Event Management	This course is designed to prepare students with an interest in pursuing a career in the industry of sport facility and event management. The course will provide students with opportunities to acquire professional skills that can be applied in an array of career positions within sport facility and event management. Among the topics to be explored will be: Trends and design of facilities, the sport event planning process, facility and event operations, risk management, and sport event marketing.	development, sustainable, LEED, planning		x
2021	SPRING	MGMT_X484.1	Management	Introduction to Creativity and Innovation	This course introduces the students to the various theoretical concepts related to the human creative process, developing creative ideas, and converting ideas into innovative solutions or products. Topics emphasize the importance of creating a sustainable process to continually innovate in the areas of product, process and service innovation. Students will be introduced to various common tools and methods to promote creativity in others, contribute to a creative team, manage development frameworks alongside creativity, and establish a culture of creativity within an organization. This course prepares students to contribute to their organizational needs for the continuous and successful development of new products and services.	sustainable, culture, development		x
2021	WINTER	MGMT_X484.31	Management	Managing Development Projects	This class teaches practical skills in aligning projects with organizational strategies, and achieve project and outcome objectives by utilizing project management techniques. Students will learn skills to work within resource limitations, identify and leverage stakeholders, plan and deliver upon deadlines (even when schedule fluctuations occur) and manage user and stakeholder expectations within the realm of product development. Topics also include measuring and prioritizing opportunities, maximizing resource efficiency, developing product extension strategies, building a project portfolio, and securing buy-in from upper management. The goals for product development project management include speed to the market, developing minimal viable products (MVP) and the ability to quickly modify and change features during development.	development, resource efficiency, efficiency, multi-stakeholder partnerships, adapt, responsive decision-making		x
2021	WINTER	MGMT_X484.5	Management	Leading Development Teams	Product development teams require strong leadership and the ability to bring together multiple functions and cultures to effectively bring a new or major modified product or service to the market. This course will concentrate on the specific and unique approaches for creating a high performing product development team. During product development, teams are confronted with a number of ongoing organizational challenges and there is a high potential for conflict between participants in the process. This course addresses teamwork and other "soft-side" factors that largely determine whether product development programs are successfully completed on schedule. Topics include building and launching effective teams, conducting team touch-bases and meetings, strategies for long-term team communication, and the specialized needs for innovative development-centered teams.	culture, diversity, development, representative decision-making, power		x
2021	SPRING	MGMT_X486.3	Management	Mindfulness-Based Strategies in Business	The stress, pressures, distractions, and complexities that accompany our work and personal lives can take a toll on our minds, bodies and energy as business leaders. In this course, participants will have an opportunity to explore science-based mindfulness practices that can help them optimize well-being, performance and leadership effectiveness. The class will include a survey of current research and evidence for the positive impact mindfulness can have on six different business outcomes: work performance, team communication, decision-making, change management, innovation, and leadership. Each week, participants will have an opportunity to engage in recommended practices, small group discussions, and reflection activities. The objective is for participants to be able to build their own inner resources as well as engage in more informed discussions around the possibilities mindfulness-based strategies offer for culture change and business results.	wellness, well-being, culture, responsive decision-making, adapt		x

Year	Term	Catalog ID	Department	Course Title	Course Description	Keywords	Focused	Inclusive
2021	WINTER	MGMT_X487	Management	Communication in a Diverse and Changing Workplace	In today's fast-paced business environment, employees at all levels find themselves being asked to handle more tasks, meet more deadlines, take on more responsibilities, and adapt to more change. Added to these challenges is the constantly shifting diversity of the workplace, where coworkers cope with generational, gender, age and cultural differences. Communication, both verbal and nonverbal, is at the foundation of everything we do and say, and is especially important in the modern workplace. The good news is that communication is a learned skill, and can be improved upon with the right training. The focus of this course is to heighten students' awareness workplace communication, and add new interpersonal skills, with the end result of becoming a more competent communicator overall. Target areas include: the process and functions of communication, behavioral patterns, perceptions as reality, verbal and nonverbal cues and behaviors, confidence, assertiveness, tact, anger management, criticism and constructive feedback, conflict resolution, team building, leadership, interviewing, and communicating with technology (email, skype, texting, etc.).	diversity, gender equality, cultural diversity, adapt, culture, gender dispartities, gender-sensitive, future generations, behavioral change		x
2021	WINTER	MGMT_X490.14	Management	Essentials of Management and Leadership	Do you have what it takes to be an effective manager and leader? Are you prepared to advance in today's volatile, uncertain, complex and ambiguous business environment? Do you want better results getting things done through people? This course will help you build management and leadership capabilities though a study of behavioral theories, examination of business acumen and strategy, and the use of a framework to decode the roles of the manager. Throughout the course, you will gain experience with the professional and personal skills needed to inspire action and demonstrate managerial and leadership effectiveness.	adapt, responsive decision-making, representative decision-making, power		x
2020	FALL	MGMT_X497.32	Management	Foundations of Leadership	Leadership is the process of influencing others in order to achieve organizational goals and bottom line results. Leaders today face many challenges including globalization, coping with rapid change, increased complexity, technological advancements and virtual teams. Yet leaders still need to effectively manage employees, inspire others, and shape organizational culture. This course focuses on the components of successful leadership, which includes both theoretical approaches and practical skills. Students will examine styles of leadership, approaches to leadership, and sources of power. Participants will also determine how to create vision, achieve organizational goals, manage conflict, and promote diversity.	culture, power, diversity, globalization, adapt, cultural diversity, representative decision-making		x
2021	WINTER	MGMT_X497.34	Management	Leading Small Groups	Develop better communication skills in a small group context by exploring the communication processes that are central to effectively leading meetings and working in teams. Most organizations today rely heavily on work teams for projects, problem solving, and decision-making. A diverse mix of people are working on teams of all types, including project teams, self-directed work teams, and virtual teams. This course covers developing leadership in teams, team vision and goals, meeting facilitation skills, active listening skills, increasing creativity, working collaboratively, building trust, relationships, and cohesiveness. It also focuses on managing roles, group norms, conflict, and groupthink.	diversity, representative decision-making, power, collaborative		x
2021	WINTER	MGMT_X497.35	Management	Conflict Resolution	Conflict is inevitable in organizations. Conflict may occur between individuals, teams, departments, or organizations. While conflict is typically viewed as negative, it can actually be positive and lead to better decision-making and solutions in organizations when using appropriate communication practices. What makes conflict negative or positive is the way in which it is handled and the resulting outcome. In this course students will develop practical skills to manage conflict, strengthen relationships, and build trust in organizations. Participants will examine causes of conflict, pros and cons of different styles of conflict, and methods of conflict resolution. The class also focuses on managing perceptions and emotions during conflict and working collaboratively toward a win/win resolution.	responsive decision-making, resiliency, collaborative		x
2021	WINTER	MISC_900.27	Miscellaneous	Public Policy Making Academy I	Examine the policies and procedures necessary to be adept at public policy making in key city government areas. Fundamentals of city governance and finance at the local and state level, municipal service delivery at the local and regional level will be explored. University students, local government employees, and individuals interested in local government policy making or running for city elected office are encouraged to enroll. This course is offered in collaboration with the Association of California Cities – Orange County.	public policy, law and regulation, local culture, governance, policy, strengthen local communities		x
2021	SPRING	PHRMSCI_X480	Pharmaceutical Sciences	Introduction to Regulatory Affairs and Compliance for Drugs, Biologics, and Medical Devices	This course presents an introduction to the field of regulatory affairs and to the laws and regulations governing healthcare products, including drugs, biologics, dietary supplements, and medical devices. Individuals from various disciplines who are new to the field of regulatory affairs will explore the regulatory pathways for each of these medical products and learn how to maintain regulatory compliance with U.S. regulations throughout the product lifecycle. Examine the structure of the FDA and the historical context of current FDA regulations governing healthcare products. Appreciate the complexities of global regulatory affairs through an introduction to the regulatory structure in the European Union. This course provides an introduction to the regulatory affairs profession and provides a framework for subsequent courses in the Regulatory Affairs and Compliance Certificate Program.	global, health, lifecycle, policy, human health, public health, global health risks, law and regulation, safety, international		x
2021	WINTER	PHRMSCI_X481	Pharmaceutical Sciences	Post-Approval Compliance Requirements for Pharmaceutical Products	Product approval is a crucial milestone in a product's lifecycle, after which, the marketing phase begins and post-approval compliance requirements commence. This course explores the FDA regulatory requirements for drugs and biologics following product approval. Some of the areas covered include promotional labelling and advertising, post-marketing surveillance (e.g. adverse events, recalls), post-marketing commitments, post-approval manufacturing changes, post-approval submissions to the NDA/BLA, supply chain management, and quality systems, including compliance with 21 CFR 11 governing electronic records. Students who complete this course will be equipped with relevant knowledge and skills needed to meet post-approval regulatory requirements.	global, lifecycle, health, human health, public health, global health risks, law and regulation, policy, manufacturing, resources		x

Year	Term	Catalog ID	Department	Course Title	Course Description	Keywords	Focused	Inclusive
2020	FALL	PHRMSCI_X490	Pharmaceutical Sciences	Overview of Global Regulatory Affairs	With the expansion of global markets in the pharmaceutical industry, regulatory affairs professionals must be well-versed in multinational regulatory requirements. This course presents an overview of the regulatory agencies and regulations for drugs and biologics in the EU, Canada, and Japan in comparison with the U.S. regulatory system. Explore topics that include international harmonization efforts, premarket regulations, authorization requirements, and regulatory authority enforcement. Learn how to apply knowledge of international regulations to formulate a global regulatory strategy for product development.	global, policy, health, human health, law and regulation, development		x
2021	WINTER	PHRMSCI_X493	Pharmaceutical Sciences	Drug Safety and Pharmacovigilance	With increasing public and regulator focus on product and patient safety, regulatory requirements in this area have become more demanding. Regulatory Affairs professionals work closely with the pharmacovigilance team to comply with regulatory authority requirements and ensure product safety. Learn the essential elements of pharmacovigilance and managing risks/benefits of drugs and biologics throughout the product lifecycle. With focus on US and EU requirements and international harmonization guidelines, explore topics that include pre-marketing and postmarketing adverse event surveillance and reporting, individual case safety reports, aggregate safety reports, safety operational units, MedDRA coding, quality systems, good pharmacovigilance practices, safety inspections, electronic records, safety labeling, signal detection, risk management (REMS, RMPs), and pharmacoepidemiology.	global, lifecycle, policy, health, human health, law and regulation, safety		x
2021	WINTER	PUBHLTH_X400	Public Health	Healthcare Analytics	This course will present students with an introduction to the field of health analytics and advanced analytics through the use of core technologies and data analytics (computational and analytical methods) and the use of health information technology to improve patient care outcomes and to enhance health delivery system performance. The course will focus on health informatics applications within the healthcare landscape. Specific topics will include: overview of the health informatics concept and related terminologies, data standards; security and confidentiality, health information exchanges, population health management and health data analytics, consumer health informatics, emerging informatics innovations, and other topics related to health informatics. Learning objectives will be achieved using a variety of learning methods including (lectures, discussion questions and participations, quizzes, projects, and selected readings from the textbook, peer-reviewed articles, industry reports, etc.,) for each learning objective to develop critical core competency skills and to ascertain real-world applications.	health, human health, law and regulation, policy, governance, public health		x
2021	SPRING	PUBHLTH_X400.01	Public Health	Data Assets and Data Strategy	Data underlies all of our best efforts to evolve health care practices. Data, and lots of it, now come in many forms and from many sources. A workable data strategy has to account for the variety of data forms and sources. But more importantly, a good data strategy should bake in empathy for the sensitive nature of the data representing each individual. It's a gray and messy area. This course is designed to give you the tools necessary to understand an organization's strategy, identify gaps that may exist in the strategy, define the various roles that influence data strategy, and adapt health data strategies to evolving health care practices. Specific topics include emerging trends in data governance and regulation, roles of data scientist, chief information officer, chief data officer, chief analytic officer, and chief technology officer, various ways that analytic teams are organized, connecting data strategy and governance to improvement in patient outcomes, and data as the key catalyst for the transition from volume-based, episodic care to value-based, personalized care. This is the foundation for improving the delivery and outcomes of our healthcare experience.	governance, health, human health, law and regulation, design, adapt		x
2021	WINTER	PUBHLTH_X400.02	Public Health	Healthcare Data Acquisition and Management	Data and analytics professionals are continually rethinking ways to achieve meaningful data acquisition and management of data that can address the rapid increase in demand and complexity of data. This course will focus on healthcare data acquisition and management including balancing, collecting, and connecting to modern data management solutions. The course will begin by addressing the more traditional forms of data management followed by the collection and management of metadata. Topics include the processes used to describe, organize, integrate, share, and govern data in the healthcare operational and analytics framework. The course will introduce participants to new framework and trends in modern data management used in multi cloud settings with service-oriented architecture principles, API integration, edge computing and the overall governance of data for healthcare settings.	health, human health, law and regulation, policy, governance		x
2021	WINTER	PUBHLTH_X400.04	Public Health	Introduction to Artificial Intelligence (AI) in Healthcare	This course provides an introduction to artificial intelligence (AI) and its healthcare applications in machine learning, precision medicine, and robotics. Students learn the core skills needed to assess clinical and business information data sets and apply these skills to enhance evidence-based healthcare and business outcomes. In this course, students apply AI knowledge and skills to promote effective disease management and patient engagement models, enhance clinical practice, adopt innovative clinical interventions in the value-based care model, and appraise the ethical implications of deploying and integrating of AI in healthcare. Students have the opportunity to describe how AI assists healthcare leaders in making strategic decisions as well as gain the knowledge needed to transform their organizations into innovative, efficient, and sustainable entities of the future. This course expands upon the learning topics presented in the Healthcare Analytics program by taking a deeper dive into artificial intelligence, as applied to various medical settings.	ethics, health, human health, efficiency, sustainable		x
2021	SPRING	PUBHLTH_X400.05	Public Health	Precision Medicine	This course will allow students to obtain an understanding of precision medicine theory and its sub-field, its impact in the public health and healthcare industry, and the imminent role health analytics plays in this emerging healthcare field. In addition, this course will relate how concepts in public health, health management and policy, big data and health informatics, real world data sets are impacted by the precision medicine field; further, students will also get a chance to demonstrate knowledge in the precision medicine arena and translating its multiple type's approaches. Topics include functional applications of precision medicine, the relationship to health analytics and its consequences in value based clinical care, public health impact on health departments and population health initiatives. Learn about analytic methodologies to apply precision medicine, as well as current and innovative health informatics arenas that align with the precision medicine field.	public health, health, genetic diversity, disease, law and regulation, policy, human rights, population		x

Year	Term	Catalog ID	Department	Course Title	Course Description	Keywords	Focused	Inclusive
2021	WINTER	SOCECOL_X415.97	Social Ecology	Online: Ethics for the Paralegal	Examine the paralegal's ethical responsibilities in the delivery of legal services. Sources of ethics rules, what constitutes unauthorized practice of law, confidentiality, conflict of interest, timekeeping issues, and tasks paralegals may not do will be explored.	ethics, law and regulation, policy, public policy, civil rights, human rights		x
2021	SPRING	SOCECOL_X448.1	Social Ecology	Nonprofit Management Fundamentals	Explore the basics of nonprofit management and gain an overview of the connection between the organizational mission, basic strategies, and nonprofit ethics considerations. Topics also include building a culture of philanthropy, the societal role of the nonprofit sector, and maintaining the necessary work life balance while engaged in nonprofit and fundraising efforts.	ethics, society, well-being, culture		x
2021	WINTER	SOCECOL_X448.4	Social Ecology	Stakeholder & Board Management	Discover ways to solicit, develop, and interact with various stakeholder of the nonprofit organization, including board members, committees and volunteers, among others. Topics include governance considerations, board management, volunteer engagement, and the removal of ego from nonprofit work interactions. In addition, the course covers systems of governance and their importance to the longevity and viability of the nonprofit organization.	governance, sustainability, multi-stakeholder partnerships		x
2021	SPRING	SOCECOL_X448.5	Social Ecology	Nonprofit Strategy	Examine strategic planning as pertaining to nonprofit and fundraising operations. This course introduces strategic planning principles, SWOT analyses, venture philanthropy, and the ways in which a strategic plan can be developed and implemented. Topics also include stakeholder engagement, avoiding mission drift, program evaluation and vanity metrics.	development, multi-stakeholder partnerships, planning		x
2021	WINTER	SOCECOL_X448.6	Social Ecology	Nonprofit HR and Operations	Explore leading human capital management practices of a nonprofit organization, including practical applications for effectively hiring and developing talent and organizational teams. To be successful, a nonprofit leader needs to attain the necessary HR fundamentals and managerial skills while creating human capital strategies that will lead to long-term viability of the organization. Topics will include: Talent Acquisition & Management Practices, Staff and Volunteer Roles, On-Boarding Strategies, Performance Goals & Rewards, Engagement & Retention Programs.	resources, capital, engage, development, sustainability		x
2021	WINTER	SOCECOL_X490	Social Ecology	Principles of Emergency Management	All-hazards disaster planning and preparedness is the foundation for a coordinated, timely and well-executed disaster response that applies to a broad range of events. Get an overview of emergency management with a focus on the roles of local, county, state, and federal government, non-profit agencies, and the business community. Gain an understanding of the key principles of emergency management within the framework of mitigation, preparedness, response, and recovery. Enhance your knowledge of risk and threat assessments, prepare emergency plans, manage response, and develop and implement recovery plans. Learn about the regulations and standards that govern emergency management, such as SEMS, NIMS, and NFPA 1600. The principles of emergency management are reinforced with lessons learned from real-life events, and guest experts augment the learning experience.	emergency preparedness, environmental hazards, disaster, resiliency, responsive decision-making, planning	x	
2021	SPRING	SOCECOL_X496.1	Social Ecology	NATO Crisis Management & Disaster Response Part 1	This is Part I of the Crisis Management and Disaster Response (CMDR) course series; the two parts are sequential, and Part I must be taken before Part II. These courses provide students with a study of the CMDR field in an international context, drawing extensively on NATO resources. Part I focuses primarily on emergency management. This includes the fundamentals of NATO Crisis Management, as well as NATO's Crisis Response System and its complementary elements, notably its Crisis Response Process, Civil Emergency Planning, and Operations Planning. This part also provides a general study of civil preparedness and resilience in a collective defense and deterrence context; this encompasses minimum standards for national resilience, NATO's "baseline requirements" for such, and basic criteria for evaluation of resilience from all aspects in order to assess whether these have been met. This course series is applicable to a wide array of professional fields, from emergency and disaster management to governmental (e.g. military and diplomatic), inter-governmental, and non-governmental service. Additional instruction will be provided by personnel from the NATO Center of Excellence in Sofia, Bulgaria who have extensive expertise and experience in various aspects of the CMDR field.	emergency preparedness, environmental hazards, disaster, resiliency, responsive decision-making, planning	x	
2021	SPRING	SOCECOL_X496.11	Social Ecology	NATO Crisis Management and Disaster Response Part 2	This is Part II of the Crisis Management and Disaster Response (CMDR) course series; the two parts are sequential, and Part I must be taken before Part II. These courses provide students with a study of the CMDR field in an international context, drawing extensively on NATO resources. Part II builds upon Part I by expanding on aspects of Emergency Management and addressing Disaster Management. This entails a study of the fundamentals of Disaster Response, as well as a basic comprehension of the perspectives, planning, and partnerships that shape this response. It also examines the role of civilian (e.g. the UN and EU) and military (e.g. NATO) actors in disaster response, as well as considerations such as climate change and gender. This course series is applicable to a wide array of professional fields, from emergency and disaster management to governmental (e.g. military and diplomatic), inter-governmental, and non-governmental service. Additional instruction will be provided by personnel from the NATO Center of Excellence in Sofia, Bulgaria who have extensive expertise and experience in various aspects of the CMDR field.	emergency preparedness, environmental hazards, disaster, resiliency, responsive decision-making, planning	x	
2020	FALL	SOCECOL_X497	Social Ecology	Chemical and Physical Principles of Environmental Management	Enhance your knowledge of the application of physical and chemical principles to solving environmental problems. Gain new insight into the scientific process as used in environmental management. Learn an interdisciplinary approach using chemistry, physics, geology, meteorology, bioremediation and engineering principles to identify, evaluate and manage multi-media environmental problems. This course will be of interest to those who have some background in science, but not necessarily a focus on the physical sciences.	environment, environmental hazards, planning	x	
2020	FALL	SOCECOL_X497.1	Social Ecology	Project Management Essentials for Facilities	Most growing organizations rely on a Project Management process to expand their services and products to grow the bottom line. As a Facilities Manager, developing the skills and knowledge with up-to-date Project Management standards such as; Organizational Influences and Project Life Cycle, Processes, Project Integration Management, Project Scope, Time and Cost Management, Project Quality Management, Project Human Resource Management, Project Communication Management, Project Risk Management and Project Procurement Management all aide in one being able to effectively manage projects, and managing the daily Facilities Maintenance and Operations. As a Facilities Manager, this course will walk you through such critical knowledge areas utilizing real-world Project Management fundamentals, techniques, methods and essential tools to achieve organizational results.	lifecycle, infrastructure, planning, representative decision-making, resources		x

Year	Term	Catalog ID	Department	Course Title	Course Description	Keywords	Focused	Inclusive
2021	SPRING	SOCECOL_X497.5	Social Ecology	Energy Management for Facility Managers	Today's successful facility managers are multi-dimensional professionals with a broad array of skills that are critical to the success of any organization. One of these critical must have skill is the effective management of facility energy cost and consumption. More and more companies today are learning that clean energy and efficient use of utility resources are not only integral to corporate environmental sustainability but are also a must to keep corporate operating cost down to stay competitive in today's era of lean budgets. This course will provide the foundational knowledge and fundamental skills that every Facility Manager needs to be a well-rounded professional and make an immediate impact in a company's quest towards achieving a sustainable and cost-effective energy program.	energy, efficiency, sustainability, energy efficiency, environment, infrastructure	x	
2021	WINTER	SOCECOL_X498.1	Social Ecology	Legal and Regulatory Framework for Environmental Management	Enhance your understanding of the state and federal legal and regulatory system as it relates to environmental management. Increase your knowledge of topics including: the legislative and regulatory history of major environmental programs at the federal, state and local levels; principals of land use governance; hazardous materials rules; air and water quality regulations; the permitting process; natural resource protections, and other elements of the environmental legal and regulatory framework. Additionally, we will look at the public and private "players" in this arena and the essential roles they play in establishing environmental policy and crafting and implementing law and regulations.	environment, law and regulation, policy, pollution, water quality, air quality, air pollution, water, contamination, environmental hazards, resources, natural resources, protect	x	
2021	WINTER	SOCECOL_X498.10	Social Ecology	Introduction to Environmental Assessment and Auditing	Enhance your knowledge of the basic principles of environmental assessment and auditing. First, learn about the ASTM process for performing Phase I Site Assessments. Explore topics that include site inspection, environmental historical review process, governmental database review, and report preparation. Then learn the basic concepts of performing Phase II site assessments and risk assessments. Conclude with a review of compliance auditing processes and gain new insight into the audit process as it relates to regulatory compliance audits and EPA involvement.	environment, law and regulation, protect, environmental hazards	x	
2021	WINTER	SOCECOL_X498.38	Social Ecology	Managing Indoor Air Quality	People spend 90% of their time indoors. In order to protect their safety and health, it is crucial to protect the indoor air quality (IAQ) through facility design and management. This course is therefore designed to examine the threat posed to the indoor air quality in schools, work places and office buildings. Participants will list various factors that contribute to poor indoor air quality. Participants will also gain a deeper understanding regarding the relation between indoor air quality and energy efficiency. The course addresses the role of indoor air quality in green building design and sustainability. Leadership in Energy and Environmental Design (LEED) requirements related to indoor air quality will be reviewed. In addition, the role of mechanical ventilation systems in causing indoor air quality problems and the resolution of those problems will be discussed. The course will explore the sources of indoor air pollutants, "sick building syndrome", mold and, indoor air quality program management and regulatory requirements.	air quality, safety, human health, health, air, pollution, contamination, emissions, LEED, energy efficiency, energy, law and regulation	x	
2021	WINTER	SOCECOL_X498.59	Social Ecology	Emergency Management: Business Continuity	Gain an understanding of the concepts necessary for an organization to address in preparing for a natural or man-made catastrophic emergency event (fire, terrorist act, hazardous material spill, internal sabotage, etc.). Explore the practical steps necessary to develop and test a plan to assure continuity of business operations. Learn about business continuity planning professional practice subject areas including: risk evaluation and control, business impact analysis, developing and implementing business continuity plans, awareness and training programs, and exercising and maintaining business continuity plans.	planning, adapt, resiliency, disaster, fire, environmental hazards, emergency preparedness	x	
2021	SPRING	SOCECOL_X498.87	Social Ecology	Response and Recovery	The purpose of this course is to uncover the principles that promote effective disaster response and recovery operations after disasters. To achieve this goal, the course will examine the nature of disasters as well as the roles and responsibilities of various actors involved in emergency management. The course will review popular myths and realities regarding human behavior in catastrophic events in addition to divergent approaches for disaster management. The importance of addressing the needs of the affected population will be discussed, and will include recommendations to fulfill a variety of important functions (e.g. implementing the emergency operations plan, warning, evacuation, search and rescue, emergency medical care/mass casualties, mass fatalities, sheltering and mass care, donations management, damage assessment, the disaster declaration process, media relations/public information, individual and public assistance, and critical incident stress debriefing). Various problems associated with response and recovery operations will be identified (e.g. inadequate preparedness measures, safety and site security, politics, communications, coordination and record keeping, etc.). The role of technology and the importance of communications and coordination will be emphasized along with the incident command system, emergency operations centers, the National Incident Management System and the National Response Plan. Each student will be expected to gain a solid comprehension of common post-disaster problems and how first responders and the emergency manager may overcome those challenges now and in the future.	resiliency, disaster, adapt, emergency preparedness, safety, policy	x	
2021	SPRING	SOCECOL_X498.88	Social Ecology	Disaster Mitigation	Learn and apply the major principles involved in preparing for and mitigating the impact hazards as result of a man-made, natural, or cyber-crime related disasters. Understand the differences between hazards and disasters and the required steps in the risk assessment process. Analyze each phase of the local hazard mitigation planning processes and how these processes integrate with governmental resources and plans. Identify measures and resources that are required to minimize the effects of a wide range of potential hazards. Be able to prepare a Hazard Vulnerability Analysis (HVA) to recognize risks then prioritize planning, mitigation, response and recovery activities.	resiliency, disaster, adapt, emergency preparedness, safety	x	
2021	SPRING	SOCECOL_X499	Social Ecology	Fundamentals of Facilities Management	Increase your understanding of Facilities Management with an overview of the principle duties of a facility manager. Learn the practical applications that will help you understand the business aspects of facilities management. Gain an understanding of the diverse responsibilities and decision-making processes from building infrastructure to fleet services. Acquire the insight needed to meet budget restraints while improving productivity, efficiency, and employee quality of life issues.	representative decision-making, quality of life, efficiency, infrastructure, diversity, responsibility, transportation		x

Year	Term	Catalog ID	Department	Course Title	Course Description	Keywords	Focused	Inclusive
2021	WINTER	SOCECOL_X499.1	Social Ecology	Facilities Design and Space Planning	Master the successful applications of facilities design and space planning in an accelerated program of instruction. This course will provide important tools for defining project requirements, developing design strategies, implementing organizational philosophies and methodologies, and understanding the Project Development Process. Acquire these skills while participating in "hands-on" class exercises using industry standard design practices (hand graphics and/or software). Gain the knowledge that will help you increase your confidence as a project leader and assure the success of your future projects. Whether you are managing multiple, small departmental relocations or anticipating a large project, these professional skills will assure you greater success.	development, representative decision-making, infrastructure, building, planning		x
2021	WINTER	SOCECOL_X499.35	Social Ecology	The Social Impacts of Disasters	Disasters are not purely natural but mostly social. This course provides an introduction to social research and discourses on how disasters as extreme situations highlight, dramatize, and change social structures and processes. This course examines disasters as related to race, ethnicity, national origin, class, gender, sexual orientation, physical or mental disability, mental illness and age. This course offers a framework to prepare future emergency managers for effective disaster management. It integrates current practice with this rapidly rising area of need. Readings and lectures provide an overview of basic concepts, approaches, issues, and theories in sociology of disasters. Students will participate in class discussions, watch films about disasters, and write a paper about a disaster that they choose.	inequality, equality, disability-sensitive, gender-sensitive, gender disparities, emergency preparedness, disaster, society, social, adapt, resiliency	x	
2021	SPRING	SOCECOL_X499.88	Social Ecology	Sustainability & Green Initiatives for the Workplace and the Environment	Gain an understanding of how organizations are taking responsibility for the impact of their activities on employees, customers, communities, and the environment. Learn how to manage interdisciplinary relationships within an organization to develop and implement workplace programs that encompass initiatives supporting corporate social responsibility (CSR), sustainability, and green initiatives. Learn a practical approach to applying CSR and sustainability principles, and presenting data to decision makers for maximum impact. Enhance your knowledge of topics that include: elements of CSR and sustainability programs; organizational impact and risk factors; voluntary and regulatory initiatives; certification and special interest systems; environmental impact analysis; and methods and resources to solve problems.	sustainability, green, social, responsibility, environment	x	