ANTHROPOLOGY

ANTH 367-010 LIFE IN TRIBES
Examines the nature and evolution of tribal societies in the past and present communities of up to a few thousand people linked by kinship, language and culture in diverse and flexible political structures very unlike common stereotypes involving tribal "chiefs" and "warriors."

ANTH 367-011 HUMAN VARIATION AND ADAPTATION
Examines modern human biological variation and adaptation, including genetics, anatomy, and physiology from the perspective of biological anthropology; understanding how and why humans vary genotypically and phenotypically, and learning to appreciate the power of evolutionary forces to shape modern humans.

ARABIC

ARAB 267-010 ARABIC CONVERSATION
Continuation of Arabic 107. Emphasis is on oral communication and conversation as well as listening and reading skills.

ART

ART 467-010/667-010 DESIGN SEMINAR: SUSTAINABILITY AND DESIGN
Explores how design decisions impact sustainable outcome; ways in which sustainable action is enhanced; and the roadblocks to creating sustainable solutions, across a range of disciplines that are concerned with design action.

ARTH HISTORY

ARTH 167-010/BAMS 167-010 SLAVERY TO OBAMA: BLACK IMAGE IN AMERICA
Surveys the artistic production of Florence, Rome, Venice during the Italian Renaissance, exploring masterpieces such as the Mona Lisa and the Sistine Chapel ceiling.

ARTH 267-010 AMERICAN ARCHITECTURE
Surveys the history of architecture from the early colonial period through the present, exploring elite and vernacular traditions in North American building in relation to issues of urbanism, cultural landscape, material culture, modernism, postmodernism, and globalism.

ARTH 413-010,080 ART IN THE AGE OF EXPLORATION
European images and collections during the period generally called the Age of Exploration (mid-15th century to the mid-17th century). Examines artistic
representations of exotic lands and peoples by European artists and the incorporation of non-European artifacts to early modern collections.

ARTH 435-010, 080 SURREALISM IN AMERICA
Explores the art of the European Surrealists exiled in New York during World War II, examining the work of major artists and issues including the unconscious, gender, Surrealism’s critical and popular reception, and its influence on postwar American art and film. Required museum field trips.

ARTH 467-010, 080/667-010 CONTEMPORARY ARCHITECTURE, CROSS-CULTURAL DIALOGUES, TRANSNATIONAL PRACTICES
Studies the latest designs by architects who practice beyond their cultural familiarity. Includes theories of trans-nationalism and issues in cross-cultural aesthetics, while examining buildings by Gehry, Koolhaas, Piano, Nouvel, Isozaki, and others.

ARTH 605-010 SOCIAL HISTORIES OF ROMAN ART
Explores ancient Roman society’s complex and multi-layered histories as revealed through the material and visual remains at Rome, Pompeii, and Ostia Antica. Includes Roman slavery, family life, women, urbanism, domestic space, work, religion, and funerary art.

ARTH 606-010 ART AT THE COURT OF CHARLEMAGNE
Addresses art and architecture prior to Charlemagne’s imperial coronation in 800, and involves extensive consideration of literary and historical documents.

ARTH 616-010 GUERCINO IN BOLOGNESE ART
Intensive study of Guercino’s paintings and drawings in the context of the Carracci and their followers. Topics include theory vs. practice; creative process; art market and pricing; copies and workshop; attribution problems; technical analysis; caricature and comic drawings; theater and popular culture; historiography and critical reception.

ARTH 620-010 ART OF ANCIENT IFE-IFE
Explores the state of play on ancient Ife’s art a century after its encounter with Europeans. Given its naturalism's status as “un-African,” does this art indicate the “lost Atlantis of the Tonans,” or is it 8th-century Yoruba, or must we now comprehend West Africa anew?

ARTH 621-010 CLASSICISM FROM WINCKELMANN TO ABY WARBURG
The theoretical and material shifts that re-shaped the perception of the classical ideal in European art from David to de Chirico. Includes the impact of archaeology, imperialism, popular and mass culture, and the discovery of the unconscious on the perennial language of the classic.

ARTH 626-010 PAINTING, PHOTOGRAPHY, FILM, LITERATURE
Differences and interactions between media in the period 1860-1930, with attention to problems of urbanization, technology, and avant-gardism. Introduction to the recent literature on this topic.

BUSINESS ADMINISTRATION
BUAD 267-080 BUSINESS & ECONOMICS STATISTICS I
Introduces concepts of descriptive and inferential statistics using applications from accounting, finance, marketing, management, and economics. Statistical computing is an integral part of the course.
BUAD 367-050 THE CORPORATION IN SOCIETY
Topics include the evolution of the corporation, corporate governance, social responsibility, and other current topics shaping the role of the corporation in society.

COGNITIVE SCIENCE

CGSC 267-010 RESEARCH METHODS IN COGNITIVE SCIENCE
Introduction to research methods in experimental cognitive science and psycholinguistics. Laboratory with student participation in a range of classical experiments on cognition and perception using web-based tools.

CHEMICAL ENGINEERING

CHEG 667-010 BIO-BASED MATERIALS
Examines the chemistry, physics and engineering development of plastics, adhesives, composites, foams, elastomers and coatings from plant co-products such as oils, starch, proteins, lignin, and cellulose. Appeals to students in chemical engineering, chemistry, biochemistry, physics, materials science, engineering, agriculture and biotechnology related disciplines.

CHEG 867-012 SELECTED TOPICS IN BIOMOLECULAR ENGINEERING
Discussion of current topics, themes, and research in biomolecular engineering for graduate students pursuing biomolecular engineering research. Includes both experimental and theoretical approaches in biomolecular engineering and cover application areas ranging from agriculture to bioprocess engineering to medicine.

CHEG 867-013 ASSEMBLY OF SOFT MATERIALS
Surveys the assembly of surfactants and lipids, colloids, liquid crystals, and polymers in the bulk, in solutions, and at interfaces. Includes surface interactions, self-assembled monolayers, block copolymer interactions, assemblies for drug delivery, polymers in microfluidics, and polymers in organic electronics.

CHEMISTRY

CHEM 874-010 STRUCTURES & PROPERTIES OF SURFACES
Structure and chemical properties of solid surfaces; surface analytical techniques including electron- and photon-based spectroscopies; computational DFT methods to predict surface properties.

CHINESE

CHIN 267-010, 080 THE ART OF CHINESE CALLIGRAPHY
Introduces students to the rich art of Chinese calligraphy that has a long history of over two thousand years. Includes the evolution of Chinese characters, the use of various scripts and how to use brush pen to practice Chinese calligraphy.

CHIN 467-010, 080 READINGS IN CHINESE LITERATURE
Introduces students to representative writers in modern Chinese literature. Students obtain advanced ability to read modern Chinese literary texts, and acquaint them with a basic knowledge of modern Chinese society. Selected
authors include, among others, Lu Xun, Beidao, etc. Course conducted in Mandarin Chinese.

CIVIL & ENVIRONMENTAL ENGINEERING

CIEG 667-010 PHYSICS OF COHESIVE SEDIMENT
Mechanics of cohesive sediment transport processes in estuarine and coastal environments; overview of fine sediment processes; cohesive sediment properties; floculation processes; mixture theory and mud-laden boundary layer; settling, suspension and turbulence-sediment interactions; rheological effects; consolidation and erodibility; fluid mud processes and its applications; chemical-biological, gas effects. Prereq: CIEG639 or equivalent.

CIEG 667-011 RESILIENCE ENGINEERING
Discusses the characteristics of resilient systems and ways to measure and monitor the resilience of civil infrastructure systems, most of which have rigid operating parameters and tend to be vulnerable to small, unforeseen natural and man-made disasters.

CIEG 667-012 MANAGING ENGINEERING PROJECTS
Gain an understanding of the principles of planning, controlling, and evaluating engineering projects. Learn the use of tools and techniques and practice their use on a personal project. Topics include project organization, budgeting, and scheduling, resource allocation and leveling, change control, and communications.

COMPUTER & INFORMATION SCIENCES

CISC 367-010 HISTORY AND PRESERVATION OF MICROCOMPUTING
Important milestones contributing to the evolution of modern microcomputer systems through historical context and by experimenting with historical microcomputer system hardware, operating systems and software. Through research and discussion, explores reasons why historical preservation of computer hardware and software is important through research and discussion.

CISC 367-012 SERVICE LEARNING: XO LAPTOPS
Programming XO laptops to create learning software for different ages and subjects, consulting with teachers at a regional K-8 school. Participate in open-ended team projects, maintain reflective journals, and hone communications skills. Includes a large service learning component.

CISC 829-010 COMPUTER ARITHMETIC
Studies algorithms for arithmetic on integer and floating point numbers (for hardware, for extended and arbitrary precision in software), polynomials, power series, and matrices. Explores high performance modular methods for matrix operations in GPU and multi-core settings.

CISC 879-010 ADVANCED PARALLEL COMPUTING
Covers advanced topics in parallel computing, potentially including programming paradigms, models, libraries, languages, compilation, runtime environments, architecture and verification techniques. Explores the recent literature on topics such as MPI, OpenMP, Pthreads, Cilk, Fortress, Chapel, Titanium, X10, CUDA, and UPC.
COMM 200-010 POLITICS & POPULAR CULTURE
Introduces students to the study of popular culture—with a specific focus on pop culture's role in American political life. Analyzes various pop culture texts from movies to music, television shows to websites; to understand their political relevance and potential impact on individuals and society.

COMM 367-050/POSC367-050 ASSESSING 1ST YR OF OBAMA PRESIDENCY
Revisits the epicenter of the 2008 Presidential Election. Faculty experts analyze presidential policy & media coverage of the first year of Obama's term.

COMM 367-051 GLOBAL FREEDOM OF EXPRESSION
Speaker series. Examines the clash of values related to free expression in global society.

COMM 418-010/618-010 MEDIA ETHICS & ACCOUNTABILITY
Examines the role(s) that mass media is expected to fulfill in society, and of the various ways for holding media accountable for meeting those responsibilities.

COMM 418-011/618-011 ATTENTION, EMOTION & THE MEDIA
Exposes students to concepts such as attention, emotion, attitude, and memory. Includes research methods employed in cognitive psychology such as secondary task reaction time, continuous response measurement and psycho-physiological measures such as heart rate, skin conductance, and facial electromyography.

COMM 418-012 BROADCAST PROGRAMMING
Covers the principles and programming strategies used by broadcasters. Includes audience feedback, network and local programming, syndication and specialized programming.

COMM 425-010,080/POSC425-010,080 GLOBAL MEDIA & INTERNL POLITICS
Explores the role of global news media in a world where politics and media both cross traditional national and regional boundaries. Focuses on international politics and media. Uses case studies from contemporary global politics to discover how media influence, and how governments shape public perceptions of international politics.

COMM 442-010 NEGOTIATION AND COMMUNICATION
In this course, we will study theory and research relevant to various aspects of negotiation and the functions communication performs during it, practice negotiation skills, and learn how to analyze communication during negotiation using recordings of our own negotiations as data.

ELECTRICAL ENGINEERING

ELEG 467-010 ENERGY SYSTEMS
Examines energy sources, conversions, and end-uses, with a special emphasis on overall energy balances in society, including electrical, transportation, commercial, residential, and industrial sectors. Performs technical details of energy source procurement, conversion technologies, and calculations of efficiency opportunities. Mathematics remain at a freshman calculus level.

ELEG 467-011/667-011 ADVANCED MOBILE SERVICES
Focuses on the technology, methodologies, architectures, and paradigm shifts that accompany the development of next generation mobile services such as web
applications, navigation, video, gaming, social networking and previously unexplored areas such as location sensitive information services.

Suggested Prereqs: ELEG 651, CPEG 419, CISC 450 or CISC 650 and ELEG 812

ELEG 467-012 SPECIAL PROJECTS IN ECE
Work alone or in small groups on engineering projects, mostly in the areas of signal processing and computer engineering. Produce progress and final reports for distribution to industrial and government sponsors.

ELEG 867-010 DEVICES FOR LIGHT DETECTION
Introduces the operating principles of devices that are used to detect light, covering broad spectral ranges from the far infrared to the ultraviolet. Analyzes and derives their characteristics and limitations. Describes selected devices in detail; including microbolometers, high speed photo detectors for communications, spectral detectors for remote sensing, and solar cells for energy conversion. Prereq: Graduate or advanced courses in electronic materials and devices (such as ELEG 646).

ENERGY & ENVIRONMENTAL POLICY

ENEP 867-010 POLICY AND ECONOMICS MODULE
Provides a broad overview on the influence of policy and economics on the development of the energy sector, with special exercises devoted to their possible impacts on solar hydrogen. Intends to provide the fundamental concept and applications of policy and economics for the IGERT-supported graduate students.

ENEP 867-011 TEACHING PRACTICUM IN ENEP
Participation in the development (or revision) and teaching of a course, in consultation with an ENEP faculty member and based on the student’s long-term goals and professional background. Exposes PhD students who anticipate teaching careers to the pedagogical issues, and planning and implementation of course instruction. Prereq: One semester of PhD graduate study.
Restriction: Requires permission from academic advisor and faculty member sponsoring practicum.

ENGLISH

ENGL 367-011/WOMS 367-011 WRITING ABOUT WOMEN ANCESTORS
Each student will start with an object from an ancestor and move backward in time, partly by research, partly by imagination, to glean information about the person who owned it. Includes conducting interviews and reading essays as models of good writing. Combines aspects of WOMS, MCST, and Creative Writing.

ENVIRONMENTAL SCIENCE

ENSC 167-010 INTRO TO THE ENVIRONMENT
Provides students with a broad overview of the fields of environmental science and of environmental studies. Introduces the spectrum of science and policy that is associated with environmental work, and explores specific issues, perspectives, and approaches from these varied areas.

FINANCE

FINC 167-010 PERSONAL FINANCE
Introduces students to personal financial topics such as saving, borrowing, taxes, home ownership, insurance, investments, and retirement planning.
FOREIGN LANGUAGES & LITERATURE

FLLT 367-070 TEACHING FOREIGN LANGUAGE IN THE SCHOOLS
Principles of second language learning; theory and practice of K-12 curriculum, development of fundamental skills and abilities in teaching, listening, speaking, reading, writing in foreign language; techniques of instruction planning; concepts of teaching culture.

GEOGRAPHY

GEOG 367-070 GEOGRAPHY OF CENTRAL AND WESTERN EUROPE
Environments, cultures, utilization of resources, problems of development and future opportunities in central and western European countries. Field trips to see geographic features (alpine landscapes) specific to Austria.

GEOG 467-010 WEATHER FORECASTING
Daily analysis and discussion of current and future weather conditions affecting Delmarva. Assemble daily weather talking points and graphics for use by a local television station in their weeknight newscasts. Develop special reports on seasonal weather conditions and unusual weather events.

GEOG 467-011 ENVIRONMENTAL VIDEOGRAPHY
Introduces students to the use of video to document all aspects of Geography discipline, including physical and Human Geography, as well as Environmental Science. Using basic video production techniques produces short videos with geographical content.

GEOG 467-012/GEOG 667-011/MAST 667-011 DIGITAL IMAGE PROCESSING LAB
Investigates the principles of digital image processing applied to remotely sensed imagery to extract meaningful thematic and biophysical information. Emphasis on understanding the logic and appropriate application of image correction, enhancement, analysis, classification, and change detection algorithms using image processing systems and GIS.

GEOG 667-010 COMPUTER PROGRAMMING FOR ENVIRONMENTAL RESEARCH
Using a mixture of guided self-study and lecture, students learn modern Fortran programming for application to environmental data analysis and atmospheric and geological modeling. Lightly covers older language features and use of legacy codes.

GEOLOGY

GEOL 467-010/GEOL667-010 GEOMICROBIOLOGY
Explores the interface between geological and biological processes. Focused on the mutual effects of microorganisms and Earth's chemistry. Includes biomineralization, origin and evolution of life, microbial weathering and rock formation, and influences on environmental problems.

GEOL 467-011/GEOL667-011 WEATHERING SYSTEMS
Physical and chemical weathering processes that combine to lead to disintegration of rocks, formation of soils, generation of sediments and solutes. Weathering as a process that shapes soils, geochemical profiles and inorganic and organic biogeochemical cycles in terrestrial ecosystems.

HUMAN DEVELOPMENT & FAMILY STUDIES
HDFS 475 SLEEP ACROSS THE LIFESPAN
Functions and traits of normal and disordered sleep across the lifespan. Reviews the history of dream analysis and teaches a basic form of self analysis of dreams.

HDFS 867-010 ADOLESCENT PROBLEM BEHAVIORS
Provides an in-depth analysis of adolescent problem behaviors from a developmental perspective. Examines theories relating to normal and abnormal adolescent development. Examines both individual and contextual factors (e.g., the family, school, peers) relating to adolescent problems such as depression, anxiety, substance abuse, risky sexual behaviors, and delinquency. Discusses the concept of resiliency.

HISTORY

HIST 367-010 MIDIEVAL CHRISTIANS & MUSLIMS
Examines the complex relationship of Islam and Christianity from the time of Muhammad to end of the Middle Ages. Considers both the clash of civilizations, and the more fruitful exchanges between the two faiths.

HIST 367-011 THE MAKING AND MEANING OF U.S. PRESENCE IN ASIA
Explores the making of a U.S. presence in East Asia and the Pacific and its meaning for the inhabitants of the region. Begins with 19th century encounters with China and Japan, moves on to the annexation of Hawaii, the colonization of the Philippines, and traces U.S. activity up to the recent past.

HIST 367-012 AMERICA IN THE 1960S
The modern civil rights movement; the development of the New Left and ‘counterculture’ as well as conservative ‘new right’ politics; foreign policy & the Vietnam War; the origins of modern feminism; the failures & success of the liberal agenda; and the influences & personalities of the decade: JFK, LBJ & Richard Nixon.

HIST 367-013 AMERICAN SPORTS HISTORY
Traces major developments in American sports history since the Civil War.

HIST 367-014 HISTORY OF U.S. LATIN AMERICAN RELATIONS
Traces the course of diplomatic, political, economic, and military relations between the US and Latin America from the era of Latin American independence to the present.

JAPANESE

JAPN 367-010,080 ADVANCED JAPANESE GRAMMAR
Designed for students who have successfully completed three 200-level Japanese language courses. Develop advanced level grammar in reading, writing, speaking and listening.

LIBERAL STUDIES

MALS 628-410 TEXTS IN TIME AND CONTEXT: AMERICA IN THE 1960s
Multidisciplinary course. Includes reading literature, essays, and legal decisions from the 1960s; listening to music and speeches; and viewing films and documentaries.

MARINE STUDIES
MAST 667-015/GEOL667-015 INTRO TO PALEOCEANOGRAPHY
Focuses on processes related to climate change from tectonic to millennial time scales based on the marine sedimentary record of the past 65 million years. Topics include light stable isotopes and biogeochemical cycling of elements. Includes lectures and student-lead discussions.

MATHEMATICS

MATH 267-050 CALCULUS CONCEPTS SEMINAR
Intended primarily for Mathematics majors. Provides students an opportunity to engage in challenging problem-solving activities in calculus. Working in groups, students develop mathematical maturity, enhance their mathematics communication skills and establish a learning community.

MATH 824-010 MATH FOUND OF SCATTERING THEORY
Introductory and self-contained treatment of the mathematical foundations of direct and inverse problems in scattering theory. Accessible to all graduate students having a mathematical background only in advanced calculus, linear algebra and elementary partial differential equations.

MECHANICAL ENGINEERING

MEEG 467-010/667-010 MICROELECTROMECHANICAL SYSTEMS
Examines the mechanical, optical, fluidic, chemical, and biological devices that can be derived using modern micro-fabrication methods. Includes typical fabrication steps, device physics and mechanics, and a survey of existing and emerging device areas. Prereq: MSEG302 and PHYS245.

MATERIAL SCIENCE & ENGINEERING

MSEG 467-012/667-012 SOLAR ENERGY
Considers the basics of solar energy utilization. Emphasis on photovoltaic systems, including inorganic and organic based systems, as well as dye sensitized solar cells, followed by consideration of passive usage such as solar thermal power. Prereq: PHYS201 and (PHYS310 or equivalent).

MSEG 667-011 APPLIED QUANTUM MECHANICS I
Provides an introduction to the quantum mechanics required to understand phenomena at the nanoscale and modern devices. Includes Schrödinger's equation, eigenfunctions and eigenvalues, operators, Dirac notation, quantum wells and tunneling, harmonic oscillator, perturbation theory, and applications to solid-state physics.

MSEG 667-013 BIOPOLYMERIC MATERIALS
Highlights the increasing importance of biopolymeric materials across materials science, and integrates current research topics with fundamental polymer/materials concepts. Includes protein engineering methods of polymer synthesis, protein-based materials, polysaccharide-containing materials, and DNA-based methods of materials assembly.

PHYSICS

PHYS 838-010 INTRODUCTION TO SUPERSYMMETRY AND STRING THEORY
Provides an introduction to supersymmetry which plays a key role both in the development of string theory as well as topics beyond the standard model of
strong, weak and electromagnetic interactions. Discusses several applications.

PLANT SCIENCE

PLSC 367-010 VEGETABLES AND THEIR PRODUCTION
Presents the principles and practices of successful vegetable production. Emphasizes origin, economic importance, botany and cultural principles of the major vegetable crop. Applicable for a range of students, from active backyard gardeners to those interested in commercial vegetable production.

SOCIOLOGY

SOCI 367-010 SOCIOLOGY OF AGING
Introduces students to the nature and the study of human aging. Includes the influence of historical, social, and cultural context on everything from the meaning of growing old, the rate of development and the rate of age-related decline, to the meaning and significance of death and dying.

SOCI 367-011 SOCIOLOGY OF EDUCATION
Understands education as a social institution. Explores schools as a mechanism for distributing resources such as credentials and status within society. Includes how family background and residence affect the quality of education. Examines schools as a source of inequality.

SOCI 667-010 SOCIAL PROBLEMS
Explores the constructionist approach to studying social problems.

SOCI 667-011 DISASTERS AND SOCIETY
Provides a sociological overview of the issues addressed in disaster research. Discusses the causation and impacts of natural, technological, and human-induced disasters on the social and built environments. Considers disaster impacts on societies, within the contexts of vulnerability and resiliency.

URBAN AFFAIRS & PUBLIC POLICY

UAPP 467/667-012 PLANNING THE NEW URBANISM
Examines the rise and development of New Urbanism philosophy and planning techniques in urban planning since the 1980s. Includes field trips to New Urbanist communities.

UAPP 667-010 ENTERPRISE SYSTEMS FOR PUBLIC/NON PROFIT ORGANIZATIONS
Focuses on the managerial and policy aspects of creating and managing modern information technology enabled public and non-profit sector organizations through the use of information systems. Introduces public and non-profit-managers to the basics of enterprise-wide software solutions and the methods for evaluating the return on investment and risks.

UAPP 667-011 CURRENT ISSUES; INTERNATIONAL DEVELOPMENT
Examines critical issues in the field and explores the methods and practices that governments, international organizations and universities use to address these issues. Includes case studies, discussions, the theory and practice of international development; U.S. government foreign assistance agencies/programs.

UAPP 667-013 INTRODUCTION TO GIS
Hands-on introduction to Geographical Information Systems. Topics include concepts behind GIS, examples of GIS applications, thematic mapping, GIS data creation and editing, introduction to web based GIS, basic GIS utilities for analysis and data management, and putting together GIS Projects demonstrating how GIS can be used.

UAPP 667-018 INTRO TO FUNDRAISING
Covers the role of philanthropy and charitable giving in the United States and ways to cultivate giving behavior in support of missions of nonprofit organizations. Provides exposure to different types of fundraising activities, and how they fit into the work of individual organizations.

UAPP 667-019 FUNDRAISING REGULATIONS & ORGANIZATIONAL POLICIES
Examines ways to ensure your organization’s fundraising efforts are legal and above board. Covers regulatory framework governing fundraising activities and steps to comply with applicable federal, state, and local laws. Includes exposure to tax deductibility, recordkeeping and required disclosure statements, legal and ethical issues regarding solicitation.

UAPP 667-020 FUNDRAISING FOR INDIVIDUAL GIFTS
Focus is on how nonprofits can gain and keep individual donors. Explores why people give of their own resources to support an organization’s work and how donor motivations and behaviors vary among groups and across the lifespan? What does giving mean historically, philosophically, and practically, and how is technology changing.

WOMENS STUDIES

WOMS 336-010 WOMEN WRITE THE FUTURE
Situates women's Utopian and science fiction and films created by women in historical context. Novels, poems, communities, technology, food, clothing and architecture reveal women's possible futures of class, nation, race, and ethnicity. Women: future perfect, future tense.

WOMS 367-010 ADOLESCENT GIRLS IN MULTICULTURAL PERSPECTIVE
Examines aspects of the female adolescent experience including psychological development, schooling and socialization, sexuality and identity, and aggression in girls. Considers how these vary across race, class and ethnicity in the U.S. and in a global context.