

FIND YOUR ENVIRONMENT'S

Green General Education Courses Guide

From food to art to urban planning, the University of Arizona offers a diverse range of general education courses that incorporate various environmental topics. Explore this collection of environmental GEs to start your search, and visit catalog.arizona.edu to find more information.

Course offerings vary each semester. Please consult with your academic advisor to ensure courses meet degree requirements.

<i>General Education Category</i>	<i>Course Name</i>	<i>Class Num.</i>	<i>Description</i>
Building Connections	Ag & Life Sciences Literacy	AED 150C1	Agriculture: So essential yet so misunderstood! How is agriculture the foundation of our economy and fundamental to our standard of living? How is agriculture adapting to the changing climate and population demands? Students will engage in discussions regarding many current topics relating to agriculture and the interrelationship of nature and social forces as societies pursue of energy for living organisms.
Building Connections	America's Largest Classrooms	TLS 331	<p>National parks, museums, and zoos represent mosaics of national heritage, shared human experiences, stories of identity, recreation, and vast experiential learning environments. Many of the sites also signify systematic human violence, displacement, subjugation, inequity, dispossession, and environmental destruction.</p> <p>Reconciling these paradoxes with their own personal identity, students in this class will explore what makes these places unique "classrooms" for place-based teaching and learning. Additionally, throughout this process, students will learn basic tenets of film design to produce mini-documentary films of their findings.</p>
Building Connections	American Design on the Land	LAR 150B1	This course is broad exploration of individuals from diverse backgrounds who have helped shape the American landscape. Examination of original writings, and built environments including cities, parks, gardens, vernacular expressions, and preserves of wild, scenic, and cultural landscapes will provide the framework for discussion about landscape design as a comprehensive art form and dialog between man and nature.

Building Connections	Cities of the World	PLG 202	This course introduces students to urban planning and the role of cities through the systems that compose the built environment and support urban societies. Learn about different approaches to meeting the material and social needs of collective life and situate them within their sociocultural contexts. The course will show how the organization of cities shapes social life even as shared cultures shape the priorities and possibilities for urban planning. Students will apply their learning to imagine local changes to planning in their own built environment that promote sustainable, future-oriented cities in an interconnected world.
Building Connections	Cnsmr Envmt & Sustainability	RCSC 150B1	Explore consumption and sustainability from personal, household, community, and global perspectives and examine the role of shoppers, retailers, manufacturers and producers, regulators, and environmental organizations in promoting environmentally sustainable consumption. Use individual assessments and personal reflections to understand how your own consumption choices impact the Earth, natural resources, other cultures, and global climate change.
Building Connections	Dealing with Data in the Wild	WFSC 223	Undergo a series of scenarios to teach you how to use data to design and evaluate if we are making a difference in our new society. These scenarios include case studies related to disease, food security, conservation, sustainability, and nutrition. This course teaches introductory data literacy skills such as data management, analytics, and visualization useful for decision making and your careers. No programming experience is required.
Building Connections	Ecosystem Health and Justice	ENVS 310	Across America, one in four Americans lives within 3 miles of a hazardous waste site. This means that one's zip code can be more important than their genetic code. Today's complex environmental health and justice challenges have far-reaching impacts and require an ability to interweave different data sources to build connections across disciplines and social positions. Students will learn how using an environmental justice framework and merging different knowledge can uncover the underlying assumptions that contribute to and produce unequal protection.
Building Connections	Edible Insects	ENTO 165	With the rapid increase in human population, it is becoming harder and harder to produce enough protein to feed everyone. In this course, you will see the enormous potential of protein from edible insects. We will discover that insects are highly nutritious and are significantly more sustainable than vertebrate protein. We will use insects to understand basic biological questions about what organisms need to grow. You will use that knowledge to grow your own mealworms and collect data on their growth and survival. At the end of the course, you will prepare and eat a meal from the mealworms you grew!

Building Connections	Engr Sustainable Dev	ENGR 422 MNE 422	Learn and engage in modern sustainable development practices with respect to engineering projects. The course will provide background for an understanding of the complexities and inter-relations of sustainable development issues. The primary focus will be on the minerals development industry and the impacts in industrialized and developing nations, communities and the environment, but the course will also relate to other industries.
Building Connections	Environment and Society	GEOG 150C1 EVS 150C1	Learn about the relationships between people and the environment and explore the social causes and consequences of environmental changes in different parts of the world. This course focuses on how and why the human use of the environment has varied over time and space; analyzes different approaches to decision-making about environment issues; and examines the relative roles of population growth, energy consumption, technology, culture and institutions in causing and resolving contemporary environmental problems around the world.
Building Connections	Environmental Essentials	ENVS 210	<p>We are well on our way to understanding what is needed to get to a carbon neutral more sustainable way of life and address critical and emerging environmental issues such as micro-pollution and waste, water scarcity, climate change, loss of habitat and biodiversity, land use change, the food-water-energy nexus, and global shifts in population.</p> <p>But how might the perspectives of university students, environmental and social scientists, activists, influencers and other community members work together to build connections and get humanity there faster? And how might science literacy coupled with social and cultural awareness provide pathways for long term solutions?</p> <p>This course will help you to answer these questions through exploring the underlying science while considering how your own worldviews play a role in the socio-cultural complexities of environmental issues.</p>
Building Connections	Environmental Ethics	PHIL 323 PA 323 PPEL 323	<p>We will investigate and seriously consider how and why we should live as morally responsible members of an ecological community.</p> <p>Explore philosophical responses to questions such as: What makes something natural? What value is there to non-human entities? What obligations do we have to each other regarding the environment? Investigate social scientific responses to questions such as: How should wilderness be preserved? How should we respond to climate change? How should water resources be allocated?</p>

Building Connections	Equitable Cities	PLG 211	<p>Explore the historical and contemporary role of urban planning in shaping our cities' built and social environments and the different ways more vulnerable populations experience the city.</p> <p>This course will consider how gender has historically been conceptualized in urban planning; dive into gendered concerns within urban spaces; and engage the historical and contemporary role of LGBTQ enclaves in community transformation.</p> <p>Grapple how urban planning has contributed to our current system of spatial injustice (housing, transportation, etc) and how the field is turning toward a more diverse conception of community and community power.</p>
Building Connections	Food & Power in Global History	HIST 160D1	<p>Food & Power in Global History takes a world history approach to investigate our biggest questions about food by considering the cultural, economic, and geopolitical discovery, evolution, and migration of food and drink from pre-modern times to the present. Trace the origins, migration, and reinvention of global foods to understand how it is that food choice, food waste, and famine are more abundant today than at any point in human history.</p>
Building Connections	Food Economy & Efficiencies	AREC 365 NAFS 365 NSC 365	<p>Few questions are more fundamental than how we feed the world's people. Yet, the coexistence of food insecurity and food waste asks: how can we feed the population efficiently, sustainably, and equitably?</p> <p>This course familiarizes students with the food economy and its efficiencies while identifying where gaps occur as food flows from producers to consumers. Gain insights into the economic forces that shape the food system.</p>
Building Connections Exploring Perspectives: Social Scientist	Food for Thought: Ital Culture	ITAL 160D1	<p>Food has always been an important thread woven through the fabric of Italian culture. Investigate food's role in shaping Italian society and its cultural practices by looking at images of food in visual art, literature and film from the Middle Ages to the 21st century. Food will be a lens through which we will read the political, social, and economic changes that have affected Italy in its millennial history.</p>
Building Connections	Food Writing	ENGL 160A2	<p>Exploring food as both personal and cultural symbols, learn how food traditions reflect and shape cultural societies and worldviews, emphasizing diverse perspectives including marginalized groups such as migrant, incarcerated, and Indigenous food communities.</p> <p>Students will explore their own food memories to find connections between personal food histories and social or environmental justice. Students will practice food writing for a variety of audiences in four key genres: recipe card, podcast, food memoir, and manifesto.</p>

Building Connections	Fundmntls of Food Sci & Safety	NSC 353	Students in this course analyze scientific literature, government documents, written articles, and lay media to assess the truthfulness of information on the food science areas from the perspectives of food scientists and critical consumers. We integrate topics related to food preparation and conservation, foodborne illness and prevention, supplements and plant-based products, nutrient interactions and composition, and sensorial parameters. This concludes with a practical scientific food science and safety project.
Building Connections	Global Economy of Food	AREC 150C3	Explore the operational fundamentals of the global food system ranging from smaller-scale subsistence or organic production to the larger-scale commercial food trade. Consumer food behavior, both local and international, represents a core analytical issue in this class. Evaluate the role of markets to efficiently and effectively allocate food resources for individuals and societies.
Building Connections	Global Sounds	MUS 334	<p>This course addresses global music-making in case studies from diverse musical traditions. We explore how music and sound are increasingly central to the development of new approaches to understanding a broad range of social justice issues encompassing topics such as health and well-being, spirituality and religion, education, and the environment.</p> <p>Explore the way local and transnational communities around the world use music and sound to celebrate, share knowledge, advocate for others, and respond to systems of power.</p>
Building Connections	Hlth Disparities & Minor Hlth	HPS 387	The course will explore gaps in health outcomes associated with race/ethnicity, social class, sex, sexuality, nationality and migration status. Societal, environmental, and institutional factors that underlay health disparities between and within nations will be considered.
Building Connections	How Insects Shaped Human Hist	ENTO 160D1	We have always coexisted with arthropods on their planet. Insects account for more than half of all described species, creeping, crawling, and flying their way into human culture and constantly reshaping societies and economies across the globe. Bugs have built and destroyed human empires, aided our advances, propelled our catastrophes, and exacerbated our inequities. We learn how arthropods have shaped human history and cultural diversity; improved our health, wealth, and art; and continue to teach us new ways to understand human nature, sexuality, intelligence, and even how to approach “alien” ideas.

Building Connections	Human and Animal Interrelation	ACBS 160D1	Examine the diversity, functions, and nature of human-animal interrelationships over time, geographic region, and world cultures. The course focuses on domesticated animals, the different pathways to domestication, the effects of domestication on both human and domesticated animals, such as impacts on the rise and fall of civilizations and cultures. The course also addresses the ethics of animal use and standards of welfare.
Building Connections	Human Rights in the U.S.	HRTS 300	This class introduces students to human rights in the U.S. context. Throughout the course, we will use interdisciplinary approaches to human rights, which are the fundamental rights that all humans are entitled to by being human. The course will cover such critical issues as indigenous rights, environmental justice, discrimination, the rights of LGBTQ peoples, and women's rights.
Building Connections	Hunting	PAH 150B5	Throughout history, humans have viewed hunting as a foodway, a lifeway, and even as a sport. This course considers hunting broadly, from sacred acts of harvesting to modern recreation with ethical implications for ecological stewardship. Unpack your own personal understanding of hunting and interpret the role it plays in conservation and community life. Ultimately, hunting will be defined broadly so all students can engage with the topic in ways that make sense to them. All positions and perspectives related to hunting are welcome.
Building Connections	Knowledge, Power and Nature	HNRS 150C1	Examine how different factors shape the relationships between human beings and the natural world. We explore science and society's current understanding of environmental challenges and the role and perspectives of different stakeholders involved in complex and relevant challenges, like inequity in climate change adaptation. Investigate and design actionable solutions to bring about sustainable and just change and translate learned concepts and discussions to student-driven projects.
Building Connections	Life in the Cosmos	PTYS 214 ASTR 214 GEOS 214	This course explores key questions in astrobiology and planetary science about the origin and evolution of life on Earth and the possibility that such phenomena have arisen elsewhere in the Universe. We examine what it means for a planet to be alive at scales ranging from cellular processes up to global impacts of biological activity. We survey international space-exploration activities to search for life within the Solar System, throughout our Galaxy, and beyond.
Building Connections	Nature & Technology in US Hist	HIST 247	This course explores the development of technology and concepts of nature in the United States, from the eighteenth century to the present. It interprets the historical roots of the relationship between human knowledge and the environment by examining how science and technology have shaped our understanding, use, and control of nature.

Building Connections	Parks and Urban Public Spaces	LAR 350	This course examines the history, function, politics and design of parks, gardens and other urban public spaces in American cities. The course will examine contemporary issues in parks and public space such as place-making, environmental integrity and sustainability, diversity and accessibility issues, children and nature, and the privatization of public space.
Building Connections	Principles of Ecotourism	RNR 240	Examine the principles of ecotourism and how they can be used to conserve and manage natural and human resources in a sustainable and financially viable way. Review ecological impacts on the environment from tourism activities and learn how these are often managed through case studies. We will conclude the course by studying established models used to deal with too many tourists at popular destinations.
Building Connections	Public Health in 21st Century	HPS 300	This course focuses on emerging and re-emerging causes of morbidity and mortality domestically and globally, and current technologies in public health initiatives. The course explores complex public health issues of concern, including health impacts in diverse and marginalized populations. The course takes a deep dive into examining social determinants of health, how they play a role in health outcomes, and generating knowledge to tailor specific health interventions for different groups.
Building Connections	Rec/Leisure in Contemp Society	TLS 353 SRL 353	Understand the theoretical foundations that shape the recreation and leisure studies field, how current issues/ events are influencing the field of recreation and leisure and those who work in it, where and how recreation fits into an ever-changing social and physical environment, the barriers marginalized populations face when seeking to engage in recreation and leisure (i.e., social and environmental justice issues), and how recreation and leisure may change in the future.
Building Connections	Resources and Civilizations	ANTH 201	The availability and use of nonrenewable resources has shaped the history of world societies from the Stone Age to the present and will continue to be a core part of future human development. Explore how nonrenewable resources form and are extracted; the diverse ways that global civilizations have used nonrenewable resources; and how the distribution of resources and the development of resource technology around the world created our modern global sociopolitical and economic framework. Other topics covered include nonrenewable resource exhaustion, space mining, resource substitution and associated energy costs, and unintended social and environmental consequences of nonrenewable resource extraction and use.

Building Connections	Sci+Pol Of Climate Change	ASTR 212	This course explores the science of climate change and the political and commercial issues related to global warming. The first part of the course focuses on the scientific basis of climate change. The second part of the course focuses on the political and commercial issues related to climate change mitigation. The students will analyze policies designed to reduce greenhouse gas emissions and explore their impacts from the perspectives of policymakers, commercial interests and the public.
Building Connections	Sensing Our Environment	HNRS 170A1	This course examines how culture has strong implications for how we see and treat the world. The current dominant culture focuses on our environment as a resource to be used or extracted. As humans, we need to reconnect with the world around us, be more open to the beauty of diversity, and re-learn to read the landscape and ecosystems. This course explore these themes by visiting places on the U of A and around Tucson, while considering moral and ethical questions guided by human rights.
Building Connections	Some We Love, Some We Eat	PAH 240	Human and animal lives have always been intertwined, and animals are omnipresent in human society. Animals often play a central role in cultural metaphors and myths, and they are also physically present in homes and workplaces, and in local as well as global economies. How human society coexists with animals is complex and embedded in paradoxes often affected by structures of power. This course stimulate critical reflections on different social constructions and the ethical and moral implications of human relationships with animals.
Building Connections	Sonora	ARC 160D1	This course will provide the student with an entrada(entrance) into the landscape and cultures of the Sonoran Region both in the U.S. and in northern Mexico through a variety of disciplines including ecology, ethnobotany, architecture/landscape architecture, history, social science and geography. By exploring the way the tri-societal cultures (Euro, Indio and Mestizo) have interacted with the unique Sonoran environment and with each other, students will come away with an increased awareness of their own position within the cultural landscape.
Building Connections	Sustainability + Education	TLS 200	This course will explore the complex web of relationships between environmental, economic, and social systems through such dimensions as formal and non-formal education; culture; economy; energy; urbanism; transportation; and citizenship. The course, which will use case studies from around the world, will inform students about individual behaviors, institutional strategies, structural changes, and public policies around social and environmental sustainability.

Building Connections	Sustainable Cities+Socs	GEOG 256	Cities around the globe are working to be more sustainable in response to social, economic and environmental challenges. This course explores how residents and decision makers in cities respond to these challenges. Students will learn to view urban problems through the perspectives of urban planners and designers, as well as local residents for cities both in the U.S. and internationally.
Building Connections	Sustainable Earth	RNR 150C1	Life support systems on planet Earth are becoming progressively more challenged by a global human population that has exceeded 7 billion people. With a focus on natural resources, we will explore how society deals with threats to the planetary goods and services on which all life depends. We will explore environmental, societal, and economic strategies and perspectives humans have developed to become effective stewards of our natural resources and achieve a sustainable Earth.
Building Connections	Sustainable Nutrition, Food	NSC 150C1	Explore the U.S. food system and examine the relationships between food systems and nutritional science, public health, the environment, and society. Topics include food system outcomes on nutritional and ecological health, drivers of the food systems including food policy and economics, and dietary patterns and healthy food environments. The diversity and inequities of food systems is also discussed.
Building Connections	SW Migrations and Landscapes	ANTH 346 AIS 346	People have lived in the Greater Southwest for at least 12,000 years. Because written records on the Southwest began in A.D. 1540 with European colonization, archaeology is an important way of understanding American Indian occupation. Additionally, archaeology uses techniques from the social and natural sciences to describe past environments. This course provides an archaeological overview of American Indian societies in the Southwest from the earliest occupation to the colonial period, including where, when, and how they lived.
Building Connections	Techn + Soc: Intro Sci + Tech	GWS 160C1	Learn about the social, historical, and ethical contexts of knowledge, science and technology. Although science and technology are perhaps the defining features of contemporary Western society, all cultures have distinct forms of knowledge and technical practices that reflect their relationships to the natural world and other peoples. Explore questions about the contexts of technoscience, basing discussions on a broad historical understanding of science and technology in various cultures.
Building Connections	The Beauty of Landscapes	GEOS 222	This course uses landscape art of the Americas as an entry to exploring the geologic processes of landscape evolution, the mathematics that describe that evolution, and the history of the people of the Americas through their relationship to the land.

Building Connections	The Challenge of Feeding 10B	PLS 170C3	Explore the challenges associated with feeding, fueling, and housing the current unprecedented number of humans in the face of climate change, depletion of natural resources, and limited regeneration capabilities of our planet. Combining the perspectives of a plant scientist, an energy scientist, and an urban planner, query possible changes from the individual to national level that help achieve global food security, energy security, and viable urban development while respecting the health and long-term sustainability of the environment.
Building Connections	Wildlife, Conserv, & Culture	RNR 160D1	Humans have always coexisted with animals on their planet. From food, to art to culture, wildlife have been symbols in religion, advanced societies through agriculture, and fueled human innovation and creativity. There are an estimated 8.7 million different species, with rapid extinction resulting in losses before they've ever been described. Learn how species have shaped and influenced cultures throughout human history and how efforts dedicated toward conservation began and have evolved over time.
Building Connections	World Hist 1600-Present	HIST 150C4	This course explores world history since the trans-Atlantic and trans-Pacific voyages of the late 15th century. Topics include: the origins of global trade circuits; the rise of empires; the environmental impact of colonialism and cultural exchange; patterns of international migration; industrialization and urbanization; political philosophies and popular movements; constructions of race, class, and gender; war and geopolitics; technology and culture; and the place of fine art and music in social and political life.
Exploring Perspectives: Artist	Architecture and Society	ARC 160C1	This course lays the foundation for architectural literacy and develops an understanding of architecture's role in society from ancient times to the present day. Students will study region, culture, and technology to understand the relationship between a society and the forms it creates, as the built environment has a permanent and profound impact on personal health, productivity, and happiness, and on community life.
Exploring Perspectives: Artist	Survey of Mexican Art	ARH 323 LAS 323	This course surveys Mexican art from the 16th-21st centuries. The course focuses on selected works of art that will be analyzed as embodiments of Mexican historical, social/racial, and environmental/geographical issues, among other characteristics.
Exploring Perspectives: Artist	Wildlife at the Movies	WFSC 140	Examine wildlife fictional films as a way to create solutions for human challenges while exploring uncomfortable or even taboo human experiences through community storytelling. Students will critically engage with the film artists perspective by viewing and analyzing numerous wildlife films, forming a well-rounded appreciation for how film-making artists approach their creative enterprise.

Exploring Perspectives: Humanist	Car Nation	PAH 150B2	Americans inhabit a nation that was remade during the 20th century around the privately-owned automobile. Automobility is a national way of life, and the United States was the first mass-motorized society in the world. Take a road trip exploring how cars have both propelled and reflected the American experience. Examine the evolving nature of cars and their profound impact on American culture and society, including current and future changes in the auto industry - from driverless cars to electric vehicles - that will have profound consequences on our lives.
Exploring Perspectives: Humanist	Contemp Moral Problems	PHIL 213	Consider a wide range of moral or ethical controversies and positions involved in contemporary life. Topics covered will vary but may include famine relief; the ethics of immigration; the morality of genetic engineering; environmental damage and moral obligations to future generations; and the moral status of nonhuman animals.
Exploring Perspectives: Humanist	German Culture, Science & Tech	GER 246	Explore shifting attitudes toward science, technology, nature, and the environment in the German-speaking world, through a range of cultural works. In addition to examining how technological and ecological ethics have changed over history, the course will also consider what roles cultural works have played in public debates around scientific discoveries and technological advances.
Exploring Perspectives: Humanist	The Great Outdoors	PAH 150A3	People around the world have long written about how even brief immersion in nature can improve the human condition. This course will explore these writings and what they have to tell us about understanding human experience and our interface with the natural world. Students will also develop real-world applications of insight, perspective, critical understanding, discernment, and creativity about the place and importance of nature in human experience.
Exploring Perspectives: Natural Scientist	3-D Printing and the Environ	MSE 220	3-D Printing has applications impacting fields such as aerospace, architecture, microelectronics, medicine, and space exploration. It represents a revolution in the manufacturing and distribution of products and systems to the consumer while offering a dramatic potential for reduction in the environmental impact of product design, development, and realization. The course will provide students will direct experience in 3-D printing methods through hands-on, group projects focusing on this unique and growing manufacturing methodology.
Exploring Perspectives: Natural Scientist	A Century of Flight: Airplanes Aeronautics: Sci + People	AME 170B1	Study the impact of aircraft and other flying vehicles on global society and their evolution toward contributing to a sustainable future. The course emphasizes critical analysis of the working of aircraft, informed by a historical perspective and what that means for the future of airplanes. Finally, the course will cover how aviation is a vital component of modern society and how aircraft may evolve to address the climate change crisis.

Exploring Perspectives: Natural Scientist	Biotechnology & Sustainability	PLS 170C2	To tackle global problems now and in the future, humans need to create innovative and sustainable solutions. In this class, you will be presented with examples of biotechnological advances developed by natural scientists so you can decide if the reward is worth the risk. Subjects covered may include developing new vaccines, making faster-growing salmon, cloning pet dogs, producing biofuels to replace fossil fuels, manufacturing pharmaceuticals in the milk of various animals or in plants, and discovering cures or preventatives for human ailments.
Exploring Perspectives: Natural Scientist	Earth Stories: Dynamic Planet	GEOS 170A1	Learn to apply the perspective of the geoscientist to questions about how and when Earth formed, how it has evolved over time, how those changes are recorded and deciphered in the geologic record, what geological phenomena can tell us about planetary dynamics and geological hazards, how geological processes create change on our planet, and how humans interact with and influence the natural environment.
Exploring Perspectives: Natural Scientist	Earth Systems Geography	GEOG 170A1	The course is an introduction to the fundamental physical processes that govern the spatial distribution of Earth's land, sea, air, and biological environments. The course also focuses on how humans have influenced and modified all components of the Earth system.
Exploring Perspectives: Natural Scientist	Earth: Our Watery Home	HWRS 170A1	What makes Earth special? How have the unique conditions on Earth given rise to life -and how might these conditions change? We will address these questions from a natural science perspective. We will also consider how scientific understanding can be communicated effectively so that we can make better decisions as conscious and unconscious stewards of our watery planet.
Exploring Perspectives: Natural Scientist	Energy Sources of AZ and US	AGTM 170A1	We use energy every day. Energy is used in transportation, in our homes and businesses, and in our manufacturing and in the field of agriculture in the production of our food and fiber. What is our energy-consuming-impact on our environment? What are alternative energy sources? How are they used? What are their limitations? This course will explore both renewable and nonrenewable energy sources used in Arizona and the United States.
Exploring Perspectives: Natural Scientist	Environ Hist Southwest	GEOS 220	Explore the environmental and cultural history of the Southwest emphasizing discovery of the past using the historical science techniques of tree-ring and packrat midden analyses and repeat photography.

Exploring Perspectives: Natural Scientist	Formation Planetary Biosystem	BE 170A2	How did our planetary biosystem form, and how common is the formation of biosystems such as our own in the universe? This course describes the formation of our planetary biosystem, from space and matter forming billions of year ago to how agriculture and civilization dramatically altered the Earth's biosystem that we experience in the modern world.
Exploring Perspectives: Natural Scientist	Geol Disasters + Society	GEOS 218	Geological disasters are potentially life-changing events that are a feature of normal Earth processes. This course will acquaint students with the scientific principles governing these events, and their frequency and magnitude. We will address how we, as a society, plan for, mitigate (or increase!) the risks of, respond to, and recover from these events to limit the loss of life and property.
Exploring Perspectives: Natural Scientist	How Insects Conquered Earth!	ENTO 170C2	Terrestrial arthropods (insects and their relatives, such as spiders, scorpions, millipedes and mites) are the most successful and diverse form of life - in fact, more than 80% of animals on Earth are arthropods! Investigate the biology, ecology, behavior, and evolutionary history of these fascinating organisms. Along the way, learn how life developed on our planet, how evolution produces novel forms, and how the systems we rely on for survival are shaped by our arthropod neighbors. We humans are relative newcomers to this planet. What secrets can we discover from the oldest and most successful groups of animals to evolve on Earth?
Exploring Perspectives: Natural Scientist	Intro to Global Change	GC 170A1	In this course, the basics of physical science are presented within the context of global environmental change processes (climatic change, global warming, deforestation, etc.) that impact Earth and its inhabitants.
Exploring Perspectives: Natural Scientist	Intro To Oceanography	GEOS 212	This course provides an introduction to our amazing ocean: its shape and depth and how these evolve, the water and what is in it, how the water moves, how the oceans influence weather and the global climate, how ocean life has evolved, and some of the different marine communities that exist today.
Exploring Perspectives: Natural Scientist	Intro Weather + Climate	ATMO 170A1	Explore the science of weather processes and climate, including the genesis of fronts and cyclones, precipitation processes, the wind systems of the world, severe storms, and weather forecasting. Special emphasis will be given to natural phenomena that have strong impacts on human activities including tornadoes, hurricanes, El Nino, global warming, ozone depletion, and air pollution.

Exploring Perspectives: Natural Scientist	Marine Biology	ECOL 170C3	Examine life in the ocean and its basic unifying principles, with a major emphasis on the evolution of diverse life forms in the ocean and on the natural history of marine animals. Key ocean habitats are explored, such as coral reefs, kelp forests, and the deep sea. Effects of humans on ocean habitats, conservation solutions, and benefits provided to humans by healthy oceans, are analyzed.
Exploring Perspectives: Natural Scientist	Nature Disrupted	ENVS 175	Investigate emerging environmental changes such as global warming, ozone depletion, the fate of plastic in the oceans, water quality, and food security through the lens of a natural scientist. Explore urbanization and population as key drivers of environmental changes, and analyze sustainability and life cycles of consumer products. Throughout the course, we will identify the root causes and the role humans play in environmental changes and look at different ways we are responding to them.
Exploring Perspectives: Natural Scientist	One Health in Action	EHS 100	What role do humans, animals, and the environment play in the emergence of pandemics? How can considering the interconnections between humans, animals, and the environment promote more meaningful health prevention outcomes? This course explores the central concepts of One Health, investigating the interactions among animals and humans, animals and the environment, and humans and the environment.
Exploring Perspectives: Natural Scientist	Origins of Food Plants	PLS 307	Students will learn to apply the perspective of the plant scientist to questions about the deep origins and domestication of modern crop plants. Students will engage in the science of plant diversity through quantitative analysis of crop origins and address questions such as how a crop was domesticated and its impacts. Students will learn to compare and critically evaluate evidence for the origins of these plants, on which all of humanity depends.
Exploring Perspectives: Natural Scientist	Origins of Hum Diversity	ANTH 160D2	The human story begins around seven million years ago and is one of curiosity, innovation, exploration, expansion, and diversity as early humans adapted to environments in every corner of the planet. This course explores the hominin family tree through the study of fossil species, critical cultural developments, economy and social relationships. Learn about Darwinian evolution, highlighting the interaction of biological and cultural forces in shaping what we are today. Consider how societal values, inequality, racism, and colonialism have impacted our understanding of what it means to be human.
Exploring Perspectives: Natural Scientist	Our Changing Climate	GEOG 230	Climate change is among the most important issues of our time. Learn and apply the perspective of the climate scientist to answering questions about the natural systems, physical processes, and human dimensions of climate change, its impacts, and pathways to solutions.

Exploring Perspectives: Natural Scientist	Our Human Footprint	HNRS 219	This course addresses the science behind our knowledge of human impact on the planet and how we measure and communicate that impact. We will consider multiple areas of scientific interest, including cities and transportation systems, changes to earth processes, overfishing and species extinctions on land, creation and use of hazardous chemicals, waste generation, and the use of antibiotics and resources such as fossil fuels and water.
Exploring Perspectives: Natural Scientist	Our Place in Nature: Bio & Env	RNR 170C1	Learn how living things and physical processes function and interconnect to generate the complex environments of our planet, based on the methods natural scientists use to understand nature. Examine on how this understanding may lead to solutions to challenges in the environment, medicine, and agriculture. Our approach throughout this course focuses on the roles of quantitative information in decision making in natural science and other aspects of modern life.
Exploring Perspectives: Natural Scientist	Plants and Our World	PLS 170C1	This course will introduce students to the principles of plant growth, development, and reproduction from the cellular to the whole organism levels. Students will explore the interconnections between humans and plants, learning how plants are affected by their environment and the many ways humans alter that environment to improve or reduce plant growth and health. The emphasis of the course is on increasing awareness of the importance of plants for human life and society.
Exploring Perspectives: Natural Scientist	Sci of Ferm.	NSC 170C2	The course introduces students to the fundamentals of fermentation by providing a brief history and basic processes, outlining the potential health benefits of fermented foods, and placing them within the context of human history, health, and nutritional sciences. Topics also include methods of food preservation, the gut microbiome chronic disease, and implications for individual and community economic security. The course concludes with a food case study using students' kitchen lab.
Exploring Perspectives: Natural Scientist	Universe and Humanity	ASTR 170B2	This course places the Earth and humanity in a broad cosmic context and seeks to answer fundamental questions about our surroundings. In addition to exploring these questions, this course will help students to understand how we have arrived at our current view of the universe, with a focus on the scientific method and the history of astronomy.

Exploring Perspectives: Natural Scientist	Water and Energy Systems	CHEE 204	Human population growth and increasing urbanization are stressing conventional water and energy resources. Sustainability will require the continued exploration of renewable and alternative sources of water and energy. In addition, water and energy systems are intrinsically and symbiotically related in what is known as the water-energy nexus. This course will explore the history, present, and future of these systems with an emphasis on alternative technologies for producing energy and clean water.
Exploring Perspectives: Natural Scientist	Water Use and Sustainability	BE 170A1	Explore the natural science perspective of water use and sustainability. Students will develop an understanding of how water influences and interacts with world around them and analyze the effects of human interaction with water. Students will develop an understanding of their “Water Footprint” and their role in making a difference in world of water.
Exploring Perspectives: Social Scientist	Consumers & Shopping	FITS 204	Examine consumer behavior and fashion adoption processes in contemporary society, the nature of fashion theories, the life-cycle, social and cultural processes and evolution of fashion, and the role of fashion in the global economy in general and in the fashion business industry in particular. In addition, because of the size and reach of fashion we will recognize the cause and effects of this industry on the world’s environment and inhabitants.
Exploring Perspectives: Social Scientist	Economics Food Agriculture	AREC 217	This course presents a practical application of economic theory to understand and analyze current issues and events surrounding food, natural resources, the environment, and sustainable solutions to rising problems. Current policy debates and diverse perspectives are used to demonstrate the process of translating economic problems and social science methods into researchable questions, using quantitative methods and tools.
Exploring Perspectives: Social Scientist	Env & Soc in SW Borderlands	GEOG 250 EVS 250	This course explores the broader trends shaping the US Southwest and Borderlands, with particular emphasis on the region’s human-environment tradition. It exposes students to a variety of methods for understanding how humans have organized in the Southwest to gain access to resources critical for their survival, both in the past and in the present context.
Exploring Perspectives: Social Scientist	Finance and Society	FIN 150C1	Understand the role of finance in society - the good, the bad, and the ugly. The course will focus on four broad topics: Understanding finance’s role in economic development and opportunity, how speculative bubbles arise and affect society, the “sleazy side” (Shiller’s words) of finance (including scams and potential exploitation of the poor), and topics related to Environmental, Social, and Governance (ESG) investing (including theoretical arguments, impact investing, divestment, microfinance, and corporate activism).

Exploring Perspectives: Social Scientist	Fundamental Geog. Techniques	GEOG 222	Data literacy is essential for navigating today's digitally-mediated world. In this course, students explore and apply quantitative data to investigate real-world geographic problems. These skills, which are foundational for upper-level classes in the social sciences and policy analysis more broadly, also help students prepare for the employment market.
Exploring Perspectives: Social Scientist	Introduction to Public Health	HPS 200	This course provides a broad survey of national, state and local (relevant to Southwest U.S.) community health sciences and services including cultural/ethnic issues. Examines the concepts of health and wellness. Introduces health education as a foundation for population-based healthcare.
Exploring Perspectives: Social Scientist	Latin America: Food & Culture	LAS 230	Food makes up a significant part of the cultures that bind people together into national communities. Food is central to cross-cultural studies of behavior, thought, and symbolism. This course explores the connections between what people in Latin America eat and who they are through cross-cultural study of Latin Americans' food production, preparation, and consumption. Students gain theoretical and empirical tools to understand and evaluate the relationship between food, history, culture, and economy in Latin America at local and global levels.
Exploring Perspectives: Social Scientist	Population Geography	SOC 367	Explore the characteristics, geographic distribution, and growth/decline of population at local, regional, national, and global scales. Students learn the components of population change by considering relationships to political, economic, cultural, and environmental conditions. Specific emphasis is placed on demographic processes and contemporary population issues throughout the world through the lens of social/racial justice, diversity and equity. These include, but are not limited to urbanization, food security, domestic migration, aging, public health, morbidity and mortality, family planning, the decennial census, and immigration.

Exploring
Perspectives:
Social
Scientist

**Understanding
Mexico Today**

LAS
150B2

Mexico today is a diverse and dynamic country that is often misrepresented in popular stereotypes. Learn about major topics including immigration, racial and ethnic diversity, democracy and political change, inequality, environmental change, violence, injustice and impunity, and Mexico in the global context (especially Mexico-United States relations). Gain a deeper understanding of the peoples, environments, cultures and regions of Mexico, and of the complex political, economic and social structures that influence the region and its international relations, especially with the United States.

This course focuses on current challenges of development, environment, and politics in Mexico. It will examine how Mexico has dealt with such issues as economic development and human rights. We will also explore environmental and indigenous politics, resource struggles, urban challenges, and the impact of the war on drugs. The last part of the class examines Mexican migration experiences, U.S. immigration policy, and the social and environmental context of the U.S.-Mexico border.

Exploring
Perspectives:
Social
Scientist

**World
Archaeology**

ANTH
160A1

Archaeology reveals the human story of curiosity, innovation, exploration, and adaptability preserved in geologic layers around the world. Adaptions to different ecological zones and environmental regimes has produced the bewildering phenotypic and cultural variability observed in humans today.

This course explores major questions in Anthropological Archaeology such as becoming human, the search for food, migration and exploration, food production, the rise of the state, food and culture, warfare, and the modern world. Students will also engage with the ethics and importance of telling diverse stories, connecting people to their past, and preserving cultural properties and traditions around the world.