						Ontional *								optional. These columns are optional and may be used to track alignment with the SDGs.									
DEPARTMENT_DESC	SUBJECT_DESC SU	UBJECT COURSE_NUMBE	R COURSE_IDENTIFICATIO	N TITLE_SHORT_DESC	Focused Inclusive	COURSE_TEXT_NARRATIVE G	oal 1. End poverty in all it rms everywhere	Goal 2. End hunger, achie food security and improve nutrition and promote	Goal 3. Ensure healthy li and promote well-being all at all ages	for equitable quality education and promote lifelong learning opportunities for al	d Goal 5. Achieve gender equality and empower all women and girls	Goal 6. Ensure availability and sustainable management of water and	Goal 7. Ensure access to affordable, reliable, sustainable and modern	Goal 8. Promote sustained, inclusive and sustainable economic growth, full and	infrastructure, promote inclusive and sustainable	Goal 10. Reduce inequality within and among countries	Goal 11. Make cities and human settlements inclusive, safe, resilient and	Goal 12. Ensure sustainal consumption and production patterns	Goal 13. Take urgent action to combat climate change and its impacts	Goal 14. Conserve and sustainably use the ocear seas and marine resource	Goal 15. Protect, restore and is, promote sustainable use of terrestrial ecosystems,	Goal 16. Promote peaceful and inclusive societies for sustainable development,	means of implementation and revitalize the global
								sustainable agriculture		learning opportunities for al		sanitation for all		productive employment and decent work for all	d Industrialization and foster innovation		sustainable			for sustainable developme	sustainably manage forests, combat desertification, and halt and reverse land	provide access to justice for all and build effective, accountable and inclusive institutions at all levels	partnership for sustainable development
				COURSE TOTALS	3 26 8	0										П					degradation and halt biodiversity loss		
Africana Studies A	Africana Studies AFS	FS 245	AFS245	Race, Policing, and Justice	×	A reading- and discussion- intensive seminar on race, policing, and cities in the United States from the 1890s to the present. Specifically, students investigate the roles of racial segregation and economic disinvestment					ă											H	
Africano Studies	Africana Studies AFS	PS 330	AFS330	African Cowboys		in manufacturing a criminal underclass; the narratives of urban danger that informed anti-crime policy; the origins, logics, and impacts of modern policing; and the historical agents who navigated and resisted entangling networks of enforcement, surveillance, and incarceration, (SMH, HI) Since the processor of the processor			\checkmark					$\overline{\checkmark}$		ightharpoons	\checkmark					\checkmark	
				Annan Comonya	^	to the present Specifically, students investigate the roles of roads appropriate and connect derivestment organization of the property of the																	
Aging Studies A	Aging Studies AG	GS 201	AGS201	Intro to Aging Studies	x	stakelies from West and Saan Mens. (2002) Mens of the Mens of the			abla														
Anthropology & Sociology A	Anthropology & Sociology A&	RS 102	A&S102	Cultural Anthropology	x	different processes and perspectives related to human aging. Myths and realities of aging, models of successful aging, and the social, connentis, leath and policy implications of growing aging populations are examined. (GMI, SS, V) By offering in-depth study of selected cultures to flustrate general organizing principles of society, the course provides students with skills appropriate to the understanding of foreign cultures and our own. Included are																	
Anthropology & Sociology A	Anthronology & Sociology A&	&S 103	A&S103	Introduction to Sociology		relation with making and a fabrua and an Fall 2004																	
						telasion was nature, per synatous feverer and con- This course takes acoid scientific approach to the shady of human social relationships. Its purpose is to introduce the basic concepts, benezical cristiancion, and methods of the sociological perspective. Topic areas include the socialization of personality, culture, urbanation, alimation, develore, nequality, and the sationalization of society. ISS) full or environmental injustices in Chicago with Souss on disproportionate repaired the hatter work or black communities.	\checkmark							\checkmark			\checkmark						
Anthropology & Sociology A	Anthropology & Sociology A&	RS 201	A&S201	Culture and the Environment	x	We will study how humans have shaped the environment and how the environment has shaped us, utilizing theories from anthropology that provide insight into our relationships and interactions with the works around us and help us understand environmental issues. Topics include relationships with "nature", knowledge about environments and how we use it, interactions with plants and animals, and intersections of the environment																	
Anthropology & Sociology A	Anthropology & Sociology A&	RS 220	A&S220	Who Gets What & Why	x	with race, class, gender, and ethnicity. Cases from around the world will be examined. (W) This course uses sociological perspectives to examine the nature and mechanisms of social inequality in the United States and already appelled species my include distributions of income, seath, and policial power, discrimination in the work place, dispatities in health outcomes; impacts of the media and educational system; extreme wealth; and global											=					\checkmark	
Anthropology & Sociology A	Anthropology & Sociology A&	RS 226	A&S226	Race, Racism & Health in US	x	strainceasts. Special intensor win to puts as now inequality is patterned by race, crass, and generi, including the intersections of these social groups. [GM1, SS] This course evolutes racial health inequalities in the United States. Despite improvements in overall U.S. health					П						✓	Ш				<u>~</u>	
						significant racial health disparities remain, the course will focus on the following five uses: (1) contemporary theories of race and naives, (2) understanding the sources of racial health inequalities', (3) assessing how racines impacts various dimensions of health; (4) racial inequalities over the life course; and (5) protective mechanisms and potential policy solutions to address racial health inequalities. (W)		\checkmark	\checkmark														
Anthropology & Sociology A	Anthropology & Sociology A&	RS 229	A&S229	Sociology of Sex and Gender	x	dimensions of brasht, (c) sucid inequalities over the life course; and (c) protective mechanisms and potential policy solutions to address real health measurables. The address is address real training the life inequalities (c). This course creatives discretized and empirical approaches is the secolidy of sex and gender, long injurially entered to the contract of t					\checkmark											~	
Anthropology & Sociology A	Anthropology & Sociology A&	RS 233	A&S233	Anthropology of the City	х	ins course centers on cuess as suces and subjects of antiroproposal inquiry. Across the giore, treatization has insteadingly defined the landscape of modern life. What makes the metropolis meaningful, and how do spatial forms than a corial marriage? In what capes done the aribinal militure of the city material and comballe, denoming and discrete																	
Anthropology & Sociology A	Anthropology & Sociology A&	RS 237	A&S237	Soc of Consumerism & Marketing	x	challenge in to critically re-imagine anthropology? How are useful identities shaped by the complex or challenge in the critical state of the complex or complex experience of when communities, commedities, and cultural feernities? This course will introduce students to sociological perspectives on marketing and examine patterns of consumer behavior. We will analyze how consumers are influenced to buy and societal consequences of																	
Anthropology & Sociology A	Anthropology & Sociology A&	RS 247	A&S247	Organizations in Action	x	contemporary large-scale patterns of consumerism. IV] This course is designed to give students abetter understanding of today's organizational world through the lens of organizational theory. Topics include the rise and nature of bureaucrapy, the evolution of managerial teclologies, thereine of leadership and decision making, organizational culture, benchingical and ideological determinant, and the influence of the environment. Theory is related to practice through the examination of specific case including.												_				✓	
Anthropology & Sociology A	Anthropology & Sociology A&	RS 263	A&S263	Latin American Ethnography	x																		
						considering a broader range offenbory-emo-ordinaryAntops-vienn-horms of harm, conflict, exclusion, and neglect. Over the course of the sensetter, we will grapple with the notion of Aldequy-vielnesdedque; and look not only at its extraordinary manifestations but also the significance of and continuities with its everyday and attrassated expressions. To this end, we will cover topics ranging from the routinized and bureaucratized violence of economic indebteness and precardiousness, of ilmess and disease in zones of abandonment and																	
Anthropology & Sociology A	Anthropology & Sociology A&	RS 265	A&S265	Sociology of Sport	x	pollution, and of gendered forms of social control to the more overt violent ruptures involving urban lynchings, policing, and horder crossings, IGM1, GM2, SSI.																	
Anthropology & Sociology A	Anthropology & Soziology A&	BS 201	A&S301	Social Welfare Pol-Safety Net		This come investigates organized sport as an institution and cultural phenomenon from a ociological perspective. This come investigates organized sport as an institution and cultural phenomenon from a ociological perspective. Through such entired study, insident will gain a greater understanding of American culture, social nequality, and an anti-productive and an anti-productive and productive and a policy and to produce the productive productive and deletions, policies, and adolescent culture and deletion into social problems in contemporary sports (e.g., doping). [SS]	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark		\checkmark		\checkmark		✓			\checkmark	\checkmark	✓	✓
	Anthropology & Sociology A&		A&S343	Asian America		The term 'sufey ace' commody refers to a range of spills: and non-povenmental programs and policies aimed at alleviating poverty operations individuals and families from experiencing distress and handship. This course uses a sociological perspective to examine the development, nature, and implications of social welfare policies and programs in the United States (GMI, SS, W). This captation course is designed to allow you to apply and improve your training in anthropology and sociology by	\checkmark	\checkmark	\checkmark														
Antieopology & Sociology	Antinopougy & Sociougy A&	X3 343	A&3343	Asiai America	^	Instrugação de contro e terrestigênte in a most year in apple ante implemy yout irrating sit amolydality data sociously 6/6 or the control of the control o					abla			abla								\checkmark	
	A	RT 120	ART120	Ashlin and Divine & Thomas		"Asian America" as a topic of scholarship and activism. We will be paying close attention to the ways that Asian American identities are not only about race and ethnicity, but also gender, generation, sexuality, and class. [GM1, GM2, WIRshow.	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Art				Architectural Design & Theory	X	The course provides an introduction to the theoretical basis and process by which architects design buildings. Course work includes three of four design projects focusing on significant architectural issues such as urban revulalization, sustainable building, historic preservation, cit. Architectural artifluing (by hand) and presentation techniques are developed. No prior background in architecture or drafting is required.																	
Biology	Biology BEC	OL III	BIOL111	Unity & Diversity of Biology	X	An introduction to the scientific study of key biological principles sperening the evolution of life. Students are introduced to three our excuses, the biological literacy; covilion, structure and function, and system biology. Coe competencies developed in this course include the process of science as well as communicating across disciplinary boundaries. Togics include science; pressure and adaptation, low plants and minimal function at the physiological and															\checkmark		
Biology B	Biology BBO	OL 112	BIOL112	Biomolecular Foundations Biol	x	constants; notes recurie securic pressure an unautum, nor pain an autumn ammon a ner proymospar ana cagainnal level, ne vel a spoulation and ecosystem precesses, [NS]. An introduction to the scientific study of key boliolizera; plinnieghe specimage cellular precess of life. Students are introduced to two over concepto for boliogial latera; information flow and energy transformation at the melecular and cellular level. Core competencies developed as this course include the process of science as well as communicating across disciplinary boundaries. Topics compliants entermental complexity of biological systems, relationships between the control of the competencies of the control of the competency of biological systems, relationships between the control of the competencies of the control of the contro															\checkmark		
Biology B	Biology BIO	OL 215	BIOL215	Phytopathology	х	across unequitary somarias, espot empusion increminal compensys on songues systems, reunstamps research market and fraction, and their evolutionary implications. [NS]. Part diseases cause economic losses that exceed biliness of dollars annually. This course, it designed to introduce you to finalmential appetrs danderlying the bology of plant diseases caused by indecisons organisms. In this course, we will design to exceed of plant disease and it is usual against, the mechanism employed by jutin publicage in colorate the methods utilized by the plant to define build paging plant, and the resisted on of plant diseases. Market the methods utilized by the plant to define build gaingt publicage stack, and the resisted of or plant diseases.											_						
Biology B	Biology BIO	OL 233	BIOL233	Envruntl Problem Solving Bio	x	This course explores environmental issues using an applied ecology perspective. It emphasizes biological dynamics of			\checkmark		Ш			Ш				Ш		Ш	\checkmark		
	Biology BIO	OI 234	BIOL234	Environmental Biology		tumms populations and our impact on local, regional and global ecosystems. Topics are multidisciplinary and problem- basced learning is emphasized with biological approaches. We review ecological principles in human ecosystems, then explore topics such as environmental public health, ecological risk assessment, esposure to tracinata in the environment, withfifter regulation and management and technology's role in finding solutions to food production. While recognitive, the interrelatedness among different areas of environmental science, this course focuses on how																	
Dissiply	Biology BBC	OL 254	DIOL234	Environmental Biology	^	whate recognizing the instructionates already universit areas of environmental secree, and context excess on any biological and ecological applications relate to environmental issues. Emphasis is not but the human population impacts ecosystem function, giving attention both to population regulation mechanisms and to disruption (conservation of ecosystem processes. Laboratory exercises fours on classical applied ecology as we alls field excursions targeting policy and management issues. Satisfies core component of Environmental Science minor Lecture laboratory.																	
Biology B	Biology BIO	OL 257	BIOL257	Public Health Biology	х	alto imageneou riouse. Suitaises toit comprehen or invovementa softeme main, excited haristancy. This course provides students with a comprehensive and integrative overview of biological perspectives on public health problems. An emphasis is placed on infectious and chronic debases case studies in the US and public health problems. An emphasis is placed on infectious and chronic debases case studies in the US and public health problems. An emphasis is placed in infectious and chronic places case studies in the US and understand the relationspipes between plocylogical, behavioral, and environmental quarter of health and understand the relationspipes between plocylogical, behavioral, and environmental quarter of health and understand the relationspipes between plocylogical, behavioral, and environmental quarter of health and understand the relationspipes between plocylogical, behavioral, and environmental quarter of health and understand the relationspipes between plocylogical, behavioral, and environmental quarter of health and the place of the p			abla														
Biology	Biology BIO	OL 272	BIOL272	Conservation Biology	х	disease, and (2) develop a new evidence-based public health intervention and education module. [W] This course provides students with an introduction to the scientific basis of modern conservation biology and																	
		OL 342	BIOL342	Restoration Ecology		are application of visely projects or consequently proteins about a few votars or understand in the complexities involved in making conservation decisions, we will read from many sources, have class and small group discussions, and engage in debate. The objective of the laboratory portion of this course is to provide students with practical, proteins—adving experiences in conservation biology beyond the classroom. Lecture-laboratory, (VI) This course is designed to give students an overview of the natural and social elements of ecological restriction. We will																	
Dissiply	naugy na.	OL 342	BIO£342	Restoration Ecology	X	examine the entire process of restoration; goal setting, planning, implementation, experimentation and monitoring,																	
Chemical Engineering C	Chemical Engineering CHI	HE 415	CHE415	Design Analysis	х	populations, communities and ecosystems, and malests will apply ecological theory to restriction practice by communities and ecosystems, and malests will apply ecological theory to restrictions practice by communities and communities and ecosystems, and some and field investigations. (WI) Quantitatives used of current processes. Analysis and Possober in proceedings of systems, safety, health, environmental, quality control, and ethical concerns in design, economic factors in estimation, design, construction, and operation of process eciptoms. Lecture behavior.																	
	Chemistry CHI Civil Engineering CE	HEM 252 E 203	CHEM252 CE203	Environmental Chemistry Envisioning a Sustainable Wrld	x	This course discusses the chemical principles underlying natural processes and the ways in which human activity affects those processes. Sources, sinks, and interactions of important environmental compounds are investigated. In this assurinar-abje course, skindente explore the concept of sustainability, the relationships between the																	
Civil Engineering C	Civil Engineering CE	221	CE321	Environmental Environmen		natural and built environment, and the sustainable and/or unsustainable aspects of large-scale systems (energy, water, food, transportation, buildings, etc.) that support society. Students research aspects of sustainable systems and/or participate in annied projects in the camous and local community. ISTSC, VI																	
						This course introduces the student to applications of engineering principles to a variety of environmental topics. The topics will revolve around local issues within the Bunkilli Watershed, therefore we will adopt a watershed approach to better understand the various topics. Topics include eviousemental chemistry, buthology, risk associates, water supply and pollution control, solid and hazardous wastes, and environmental management. Laboratories consist of field trips, compater medicing exercises, sample collection, and chemical analysis methods.																	
Civil Engineering C	Civil Engineering CE	E 351	CE351	Water Resources Engr	х	tas portunate citation, sinui autra autrationis viaite, sini derivinimenta imaginerine. Lamitarines cristias ori ricul urps, compatri modifigire secretics, sample cicilician, and cherical alunylis methods. An introductory course in hydraulica, hydrology, and water resources engineering. Topics include groundwater and surface water supply, flow measurements, flow and pressure losses in pipe systems, probability concepts in design, open channel design including storm sewers and culverts, pump design, and detention basis design. Witten laboratory and design propriet are required.																	
		E 352	CE352	Hydrology	х	determinen basis design: virtien abodizancy and design reports are required. Introduction to engineering hydrology, primarily dealing with surface waters. Topics include hydrologic cycle, frequency analysis, rainfallirunoff relationships, routing, and storm water management and design. Design problems using current hydrological computer models are assigned. Lecture.																	
	Civil Engineering CE Civil Engineering CE	E 444	CE444 CE464	Sustainable Infrastructure Mgt Environmental Geophysics	×	This course presents an integrated approach to the management of civil inflastructure systems. Students examine the many appects of performance and different management approaches in the context of available tools, new technologies, institutional issues, and resource constraints.																	
	Civil Engineering CE	E 475	CE47S	CE Capstone Design Project	x	immodización chi con para con consistente con																	
						nearin, sarety, and werare, 2) statumatumy concerns, 3) economic rootes, and 4) gibron, cultural, and or social factors. Statuse measure their decire colorion thousands and one unitten measurations.																	
Civil Engineering C Economics E	Civil Engineering CE Economics ECO	E 474	CE474 ECONI01	Professional Issues for Civ En Principles	x	This is a lecture and discussion class covering professional issues in culi and environmental engineering. Students will work in teams and individually to understand and apply—from a civil engineering perspective — business and leadership concepts, engineering ethics, and professional engineering communication, [W] As introduction to economics descripte the fundamental and certal concepts in economics and discussing methods and									\checkmark								
Economics E	Economics ECO	ON 205	ECON205	Markets and Democracy	x	An introduction to economics stressing the fundamental and central concepts in concensis and discussing methods and topics that engage economists. Topics include supply and demand analysis, determination of prices, output and profits, distribution of income, determination of real GIP, and fiscal and monetary policy. Offered every senester, ISS. This course examinance dehaplows we find markets work and what demorarities takes ought to do to first their functioning.	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	$\overline{\checkmark}$	\checkmark	$\overline{\checkmark}$	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
Economics E	Economics ECO	CON 214	ECON214	Sustainable Finance	x	tableauss or subserie, electrimanus or reactory, and relate also an assess per content of the content content																	
Economics E	Economics ECO	ON 246	ECON246	Evolutionary Game Theory	x	scots that relative is encursion to the private and social net refer not to statistical to be included statistical or and the relation of the private and the relation of the																	
						usatianite business, the modeling of corporate risks, markets for funding risk and social impact inventing. An introduction to the concepts, cholissiques, and application of evolutioning yages theory be membered used to the concept continues of game through the continues of																	
		CON 251 CON 325	ECON251 ECON325	Intermediate Microeconomies Women & the Economy	X	construction in the relational and organization data with the protection of scarcing, the too of prices in coordinating contents of the contents of private and public institutions, and the economic basis of rubble rollisies																	
		OON 339	ECON325 ECON339	Foundation Entrepreneurial Soc	x	This course surveys a wide range of economic issues relating to women's lives with special emphasis on family, work, and income. Public policy applications are stressed [CMI1] This sentimar exportese business enterpreneurably as foundational in an economy's transformation, growth and development. Its analytical underlay is that entrepreneurable, whether redistributive or productive, convents infeat on the economic productive. Superiorized and commodification their intellection in promoties and the economic productive.					\checkmark												
						converts ideas into economic opportunities, "assettizing" and commoditizing their intellectual properties and property rights into economic prices and tradable values frough matter dexchange, which in burn drives and guides innovation and change and fearbilly and dynamism in an economy. The flocus will be on the continuous control of the control of																	
Economics E	Economics ECO	OON 346	ECON346	Economic Development	x	syllabus, foundational reference sources include Social Progress Index. An introductory survey of the economic structures and behavior of developing countries and how these factors influence their approach to the childregues of endering poverty, improving health and education, and increasing their productive capacity and national and per capita income. The course examines the applicability of conventional economic logic and distributional tools. On the control of th					_						_	_	_				
						analytical tools to developing economies. Competing paradigms of development and the implications of different sets of behavioral assumptions are explored.										\checkmark							

DEPARTMENT DISC SERVICE DESC SURVEY COURSE NUMBER COURSE DENTIFICATION THE SHORT DISC Focused Inclusive				USIVE COURSE TEXT NARRATIVE								Optional. These columns are	optional and may be used to	track alignment with the SDG	L						Goal 17 Strangthan the		
DEPARTMENT_DESC	SUBJECT_DESC	SUBJECT COURSE_NUM	BER COURSE_IDENTIFICA	HON THLE_SHORT_DESC	Focused Inclu	COURSE_IEXT_XARRATIVE	Goal 1. End poverty in forms everywhere	all its Goal 2. End hunger, achie food security and improve nutrition and promote	ed and promote well-being all at all ages	for equitable quality education and promote lifelong learning opportunities for all	I 5. Achieve gender ality and empower all en and girls	Goal 6. Ensure availabilit and sustainable management of water an	Goal 7. Ensure access to affordable, reliable, sustainable and modern	Goal 8. Promote sustained, inclusive and sustainable economic growth, full and	Goal 9. Build resilient infrastructure, promote inclusive and sustainable	Goal 10. Reduce inequality within and among countries	Goal 11. Make cities and human settlements inclusive, safe, resilient	Goal 12. Ensure sustaina consumption and production patterns	ble Goal 13. Take urgent action to combat climate change and its impacts	on Goal 14. Conserve and sustainably use the ocea seas and marine resourc	ns, promote sustainable use of terrestrial ecosystems.	Goal 16. Promote peaceful and inclusive societies for sustainable development,	means of implementation and revitalize the global
								sustainable agriculture		learning opportunities for all		sanitation for all	energy for all	productive employment and decent work for all	industrialization and toster innovation		sustainable			for sustainable developm	combat desertification, and halt and reverse land degradation and halt	provide access to justice for all and build effective, accountable and inclusive institutions at all levels	development
Economics	Economics	ECON 354	ECON354	Contemporary African Economics	x	Analysis of the contemporary economic environment in Africa: political sociocultural identity and economic environ															blodiversity loss	institutions at all levels	
Economics	Economics	ECON 411	ECON411	Economics of Inequality	x	structure, trends in public and private capital flows, African regional and international economic institutions, trade development and relations with world markets, investment concessions and risk, with case illustrations from African countries. This course examines economic inequality in all its different facets. The course begins by defining the concept of	\checkmark	\checkmark	\checkmark		$\overline{\mathbf{v}}$			\checkmark	\checkmark	\checkmark	\checkmark				\checkmark	\checkmark	
Integrative Engineering	Engineering Science	DS 103	ES103	Surtame I		economic inequality and explaining how it is measured. If then considers the causes and consequences of economic inequality, both from a theoretical and empirical perspective. It concludes by asking when policy makers should address inequality and what policies are likely to be most effective. [W] The systems approach is introduced and applied across various contexts. Systems concepts, including sinks,																\checkmark	
						The systems approach is introduced and applied across various contexts. Systems concepts, including sinks, sources, stocks, and feebboaks, are used in understanding and modeling as used range of application including systems dealing with fluid, heat, electrical, environmental, ecological, and economic phenomena, among offers. Unique conservation learned and analogues between various bytes of systems, system behaviors are modeled to approvemant relationships between system inputs and outputs. The MRTL48 numerical computing environment will be employed for modeling systems and learning structured programming the systems of the systems of the systems of the systems and surround systems and																	
Engineering Studies	Engineering Studies	EGRS 271	EGRS271	Intro Architectural Engr	x	are modeled to approximate relationships between system inputs and outputs. The MATLAB numerical computing environment will be employed for modeling systems and learning structured programming. This course provides an introduction to aspects of engineering and construction that are relevant to the practice of architecture. If addresses the primary systems that must be engineered, fabricated, and installed																	
Engineering Studies	Engineering Studies	EGRS 273	EGRS273	Architectural Theory&Practice	x	in a construction project. The course is intended for non-engineering majors. Focus on LEED and the							\checkmark		\checkmark		\checkmark						
						debigning are concentrations must plannedly obtained by the concentration of the concentratio																	
Engineering Studies	Engineering Studies	EGRS 281	EGRS281	Hist Studies Engring&Society	x	direction of technological development in the next while showing how students, as assiring engineers, can gain access to																	
Engineering Studies	Engineering Studies	EGRS 352	EGRS352	Energy Tech & Modern World	×	those factors for the future. The class focuses on global and multi-cultural settings. To achieve its goals, it brings tougether one-chemical elements of engineering design with technical details about operational superts of feedmological systems. [GM2] This course examines the role of energy and energy technologies in the United States and the world. Energy from fossil																	
						fiels, nuclear power, and renewable resources is overed. Topics include world resources and recovery of footil facts, energy conversion technologies and impacts, nuclear energy and water disposal, note of energy as global climate change, and emerging renewable energy technologies. Economic and policy issues are integrated with a technical introduction to the energy field.																	
Engineering Studies	Engineering Studies	EGRS 365	EGRS365	Building High Tech Start-up	х																		
						Many of the giral federatogy products and services that we take for granted budy were brough to the market by empresent method of large companies. These products and environe may have been invested and perfected new sort questions, but without knowledge of markets, sales, finance, strategic planning, and percentations skills, even the remarkable recordsolgies will remain these arither than products. This concess will provide the empirical guident with a bound survey of emprescashing principles required so create and evaluate new technology potential and both students more these even ideas towards commercialization.																	
Engineering Studies	Engineering Studies	EGRS 373	EGRS373	Technology & Nature	x	This course examines the sometimes-contentious relationship between the natural world and human attempts to understand it (science) and manage it (sechnology). It addresses historical, ethical, artistic, and scientific distinctions between the natural and the human-built world, with examples from food and agriculture, modes of transportation, river								_									
Engineering Studies	Engineering Studies	EGRS 451	EGRS451	Sem Engineering & Society	x	control, factories, and more. The purpose of the course is to help students develop a manned understanding of the interactions amongst and between technology and nature. [W] This serminar focuses on how engineering impacts society as well as how society impacts the practice of engineering. Students under the households they how assigned from both monitoring and non-representance among the control of the whom the significant form both monitoring and non-representance success to resultate these.		_	_	_	_	_	_	_	_	_	_	_	_	_		_	_
Engineering Studies	Engineering Studies	EGRS 480	EGRS480	Sustainable Solutions	×	This seminar focuses on how engineering impacts society as well as how society impacts the practice of engineering. Students apply the knowledge they have gained from both engineering and non-empineering consens to evaluate those impacts. Students byta an active neith endangle sessions, presenting reads to graning dates participation, and discussing project results. This is the exprosor sensing for the Bachelor of Art in Engineering. (W) Statistandies obtained seed-report for excomplex, real-world appear by small groups of multidisciplinary students directed and the endangles of the endang																	
English	English	ENG 247	ENG247	Nature Writing	x	by a faculty adviser, or team of faculty advisers. All projects include significant technical and non technical challenges, and do not have a well-defined solution proceeding. Nature writing as a genre has long been concerned with questions of how to understand humans within and as nature. In this course, we will study a more of waitines, from Theorem to Andrea or moreful for our rows writine re-orderstating complexity of the contraction.																	
English	English	ENG 271	ENG271	Dancing Cultures	x	Nature writing as a gente has long been concerned with questions of how to understand humans within and as nature. In this course, we will shady a range of writings, from Thoreau to today, as models for our own writing, emphasizing close observation and revision as will supply to consider small instructives of natural lists of well as complexes of gender, nece, and the engineering of space — all of which make up our own ecosystems [1], GML W]. What is donnel? Will constitute on performance? In this course we explore now the body, identify and culture																	
						are represented through aesthetic traditions, cultural contexts and texts from many genres in order to create social and cultural meanings, the examine how performance and dance are connected to questions of gender, ecology, and national identity. Students will consider embodied knowledge practices as they are represented textually in memoirs, essays, limits, graphic novels, poems, and novels. The coarse is for all students interested in movements studies and in the cultural and textuals exploration of abone practices. [4, V]																	
English	English	ENG 276	ENG276	Literature of the Sea	x																	\checkmark	
Environmental Studies	Environmental Studies	EVST 373	EVST373	Technology & Nature	v	This course focuses on literary works (fiction, poetry, journalism, etc.) that take the marine environment as a focus, written on a range of land masses from 1800 to the present Examples include Moly-Dock and Rachel Carson's Under the See-Wind Major thems: include cultural contact, science, and literature, the environment as concept, and the social worlds of segoing, [H, (M.), W] This course cannies the sometimes-contentious relationship between the natural world and human attenests to														\checkmark			
Environmental Studies	Environmental Studies	EVST 100	EVST100	Intro to the Environment	x	uncerstaint of (circurce) and imaging it (betradology) it in anterioris institution, and scientific antimetrus, extension in the many of the contract of the c																	
Forders and Co. Sec.	Facilities and Parket	EVST 253	EVST253	Voices of Environ Justice	Į,	environmental issues, including climate charge, racial inequality, and environmental justice, to highlight the interconnections across multiple perspectives.																	ш
Environmental Studies	Environmental States	Evs1 23	EV31233	voices of Environ Justice	Î	This course explores the infersection of the arts and environmental justice movements around the world. We will discuss a broad array of literary tests and other creative projects, considering the relationships between systems of human injustice and environmental issues. Including floatisatis disasters, coera andication, and resource extraction. Throughout the semester, we will explore questions of voice, gener, and narrative, cataloging the strategies wither and arbeits use to make their postions transitable on a global stage. W.																	
Environmental Studies	Environmental Studies	EVST 380	EVST380	Sustainability Internship	x	The Sustainability Internship provides course credit to students working on sustainability-related projects. It is																	
						point securities by a staff minimizer of the Office of Sustainability or other parties or operation, and a Sussity, such many securities of the other staff of the o																	
Environmental Studies	Environmental Studies	EVST 400	EVST400	Capstone	×	This course serves as a capotone to the Environmental Studies program. In this course students will perform research under the guidance of a facetully mentor. Students will apply their knowledge from coursework to enhance empirical understanding of ouvironmental studies issues. In addition to performing the research, students will present their research to the Environmental Studies resourcem and nervoide a vurticen resort to their mentor.																	
First-Year Seminar	First Year Seminar	FYS 017	FYS017	An Element of Risk	x	how social change happens and allows them to identify issues in the local and regional communities surrounding the																	
First-Year Seminar	First Year Seminar	FYS 020	FYS020	Appalachia	x	developing as informed, engaged, and effective evise agents abboy & aboy, and the contractive of the property																	
First-Year Seminar	First Year Seminar	FYS 025	FYS025	Futbol: the Beautiful Game	x	the U.S.	\checkmark		\checkmark					\checkmark		\checkmark							
						in absolute for dening mass are abordance entertainments, social ("social"), as it is lower workness on the social properties of the social prope																	
First-Year Seminar	First Year Seminar	FYS 035	FYS035	Tech & Soc-Semiconductor Era	x																		
						nuclear energy, solar energy, and alternative sources of energy are investigated. Conservation of energy and the storage of energy are discussed. Energy uses for plant and food production, transportation, industrial output, leture activities, and the national defense are reviewed. Finally, the use of energy is examined in the context of atmospheric pollution, radiation, note, and nuclear weapons.																	
First-Year Seminar	First Year Seminar	FYS 059	FYS059	Feeding the World	x	context of ahmospheric pollution, radiation, noise, and nuclear weapons. This course offers an interdisciplinary look at our food from planting to harvest, distribution and packing to our tables. Emphasis on combining a social sciences perspective with an engineering human-centered design process to define and address problems of world hunger. Focus on investigation, problem definition, and project-based learning of issues related to global hunger.																	
First-Year Seminar	First Year Seminar	FYS 068	FYS068	Mobilizing Science	x	Scientific research plays a critical tole in the way societies overcome challenges and respond to crises. How do societies mobilize scientific activity in the face of such challenges? Who foots the bill? Who decides the priorities? The reading and writing assignments in this seminar will explore the complex interplay between different social forces that mobilize																	
First-Year Seminar	First Year Seminar	FYS 080	FYS080	Creature: Animals Contemp Cult	x	science lowed specific calls and cussine the moist and ethical quantitates scientists often taxe when declaring how and whether to puritipate in the reculting record citiest. Why are animates and "animately" becoming more frequent themes in recent literature, performance, and visual air? How the tries tend to be understood in relation to global climate change, habitat loss, edinction, ecological ethics, and "get" economies in contemporary culture? This course begins what broad introduction to the ways arisinable have been frescribed within our own (Western) intellicitual stacktion, engages and the standard of the ways arisinable have been frescribed within our own (Western) intellicitual stacktion, engages and animal standard or the control within our own (Western) intellicitual stacktion, engages and the standard of the ways are standard or the ways are sta																	
						ecological ethics, and "pet" economies in contemporary culture? This course begins with a broad introduction to the ways animals have been theorized within our own (Western) intellectual tradition, engages major critical questions within animal philosophy in recent decades, and then applies these rubriss to contemporary texts, certomanoes, and annotes that ask us to think about animals in provocative ways. Everyone has a																	
						story about an animal. If that story is not related to a beloved pet, it may involve a wild animal we rescued, a																	
						sellings. These stories are often central to the ways we understand our own frumanness. "Add to this somewhat universal engagement with animals the current crises in global dinate change and habital loss, scientific desorries surrounding animal cognition, and the exploring interestinghinary field or animal studies, and you have a framework for understanding the acute engagement with human-animal relationships in contemporary art, performance and literature. This course will investigate how humans are framing and re-																	
First-Year Seminar	First Year Seminar	FYS 109	FYS109	Understanding Design	x	and you rove or all months on understanding and acute engagement with intensi-artistic relaxionaria or contemporary and performance and fleranker. This contemporary artistic practices, in this sense, and the production of precise categories in contemporary artistic practices. In this sense, course, subserties we deservationed advantage, structured observation, journaling, readings, discussion, and writing to develop that ability to observe, discuss, and evaluate the use of common design elements in the spockes and objects that surround us and that comprise the full environment and the human- lements in the spockes and objects that surround us and that comprise the full environment and the human-																	
First-Year Seminar	First Year Seminar	FYS 138	FYS138	Theatre and Social Justice		For thousands of years: the theater has both extensioned and movided a forum in which social issues can be evalued.		\checkmark							\checkmark		\checkmark						
First-Year Seminar	First Year Seminar	FYS 141	FYS141	Mathematics of Social Justice	x	This seminar will investigate; through readings and performances, how theater provides an immediate and strong voice to debute social and political problems. Students will have opportunities, through writing, discussion, and theatrical performance, to explore social and political issues and the ways in which dismatise works on impire social change. Alexander Hamilton said, "The first day of society is justice," Today there is vociferous argument shout the prevalence of sincts. To Abust feason, is climated to the social change of the strong interfalls are social entirely and the social changes of the social changes.										\checkmark							
				July 1		importance of understanding data and applying mathematics to ask these questions and to explore maningful answers. Using mathematics that everybody is taught, we'll try to make sense out of conflicting opinions, so as to discover the										abla							
First-Year Seminar	First Year Seminar	FYS 158	FYS158	Nonviolence:Theory & Practice	x	importance of quantitative literacy for all cultures in a demonancy. This course explores both the theoretical development of neutrolitence and the proaduc of nonicidence as a This course explores both the theoretical development of nonicidence and the proaduc of nonicidence as a This course explores both the course of masks in the suit against definition of market and avisual group partial provisional change in the Leithy Nalley, this course explores the principles of nonividence in action. Unit include exploring 2 is suit as related to Nagrica inhiberancem and Chemistry.	J			J	J		J	J	J				J	J	J		J
First-Year Seminar	First Year Seminar	FYS 179	FYS179	Alleviate Poverty & Unfreedoms	x	South Africa, as well as the personal testimonies of individuals and various groups pursuing nonviolent change in the Lehigh Valley, his course explores the principles of nonviolence in action. Intil include exploring EL issues related to Nigerian fisherwomen and Chevron. Market-beach social enterprenenting as an approach to addressing poverty, unfreedoms and the lack of localized																	
even secondal	opening	100		A CHIPCUSTS	^	Market-based social endepreneurship as an approach to adarssing poverly, untersom after the law, do activated agency among the poor in construction developments have not as the progression. This is often attributed to the fatheres of agency among the poor in contraction of the progression of the p		_			-	_	_		_								
						their development experiences, a possibility made more realistic because of globalization and technological change. In essence, as first noted by Adam Smith and reported in Amarta Sen, freedom of exchange and transaction is in itself part																	
First-Year Seminar	First Year Seminar	FYS 195	FYS195	Russia Today	x	in consomic interchange has a basic role in social living." A riddle wrapped in a mystery inside an enigma," is how Winston Churchill famously described Russia. Decades later, after the Cold War and armidst the resurgence of Russia's influence on the world stage, this																	
						and practic of the basis believes that griged have to software, and as Soc hasself peaks on "the freedom to participate A riside wanged in a mayber priede an energing." In bow Witsten Charolf Benouse) exceeded Resals. Decades later, after the Cold War and amount the resurgement of Resals in definence on the world stage, the PVR saids the equation what the Resals belong "Taking that account conversals and these controllers, we will provide the second of the Cold War and the																	
Foreign Language & Literature	German	GERM 211	GERM211	Advanced German	x	Siral, foliagenous knooleega and ecocomic systems. Studies will equal and despite the verifiest letters and interpretive diffit by exploring insect of excit, cultural, and advantages of the control of																	
						understanding and using the German language in a broad variety of cultural contexts. Students will receive advanced training of the four skills (listening, speaking, reading, and writing). I amaging level and subsequent course placement will be determined by the Precipal Languages Amaging. Literatures Department &mpt).			\checkmark		ightharpoons					ightharpoons							
Geology	Geology	GEOL 110	GEOL110	Int to Geol:Environmental Geol	X	earth is simply a larger spaceship with more resources, but nonetheless finite. The course examines the interplay between land-use activity and geologic processes such as flooding, shoreline crosson, and soil crosson. Students explore grounds uter resources, geological constraints on wated disposal, and impacts of resource utilization, such as acid rain																	
Geology	Geology	GEOL 115	GEOL115	Earth: Evol of Habitable Planet	x	and the greenhouse effect. Lecture/laboratory/field excursions. Preference to first- and second-year students, geology													_				
						impire, and environmental scenee matter, [205]. Earth's climate has changed dimantically over its history, moving between completely ice-free intervals to periods of global glaciations. How and why did these major climatic changes occur? What can history leach about the future of the climate? This concer identifice the major components of the climate system and explores factor and processes that saffuence the system over a variety of smeciales. Using major lessons learned from Earth's lineary, this course considers the climate/placing import of human orthity in this central year cleamines curried index about the climate future. [205]																	
Geology	Geology	GEOL 120	GEOL120	Geol Disasters: Agents of Chaos	x	Earthquakes, voicanic erupsons, landssides, numcanes, todos, sunamis, and assercid impacts are all part of the geologic evolution of the earth. For many different reasons, humans are exposed to the offen severe																	
						from both aclientific and personal perspectives to understand why and where they occur and how human activity has interfered with natural processes, perhaps making the planet more prore to disaster. Lecturellaboratory, Preference to first- and second-year students, peology majors, and environmental science mirror. Not open to students who have taken GEOL 150, [NS]	П	П	П		П	ш	П		П			П	Ц	П	П		
Geology	Geology	GEOL 210	GEOL210	Hydrogeology	x	The study of groundwater occurrence, flow, quality, and utilization. The characteristics of the geologic environment which determine the hydrogeologic system are discussed. Principles of groundwater flow, surface water and groundwater interaction, aquitier response to pumping, and regional groundwater flow are examined. The occurse also focuses on groundwater contamination and remediation (clean-upr.) Facilities.																	
						examined. The course and includes the groundwater contamination and remediation (cean-up). Fred projects use a well-field at Metzgar Fields and local remediation sites. Lecture/laboratory. [NS]*																	

															Optional. These columns ar	re optional and may be used to to	rack alignment with the Si	OGs.						
DEPARTMENT_DESC	SUBJECT_DESC	SUBJEC	CT COURSE_NUMBI	COURSE_IDENTIFICATION	N TITLE_SHORT_DESC	Focused Inc	dusive COURSE_TEXT_NARRATIVE	Goal 1. End poverty in al forms everywhere	its Goal 2. End hunger, achie food security and improve nutrition and promote	ed Goal 3. Ensure healthy live and promote well-being fo all at all ages	es Goal 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all	Goal 5. Achieve gender equality and empower al women and girls	Goal 6. Ensure availabil and sustainable management of water a	ty Goal 7. Ensure access to affordable, reliable, sustainable and modern	Goal 8. Promote sustained, inclusive and sustainable economic growth, full and	Goal 9. Build resilient infrastructure, promote inclusive and sustainable	Goal 10. Reduce inequal within and among count	ity Goal 11. Make cities and human settlements inclusive, safe, resilient and	Goal 12. Ensure sustaina consumption and production patterns.	ble Goal 13. Take urgent action to combat climate change and its impacts	Goal 14. Conserve and sustainably use the ocean seas and marine resource	terrestrial ecosystems.	d Goal 16. Promote peaceful and inclusive societies for sustainable development.	Goal 17. Strengthen the means of implementation and revitalize the global
									sustainable agriculture	on actin ages	learning opportunities for al	I	sanitation for all	energy for all	economic growth, full and productive employment and decent work for all	d industrialization and foster innovation		sustainable	poddenon patterns	and its impacts	for sustainable developm	ent sustainably manage forests combat desertification, and halt and reverse land degradation and halt blodhoostly.	sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels	partnership for sustainable development
Geology	Geology	GEOL	322	GEOL322	Environmental Geophysics		Introduction to the quophysical submissions used to study large, and mail scole feature and processors of the Earth. Emphasis placed on the furnermental processor of green, requestern, estimately, next transfers and electrical methods as they apply to environmental processor through classroom lectures and factorist and electrical methods are processors, or environmental scales, and control of the processors of the processor of the processors of the processor of														✓	bloalversity loss		
Geology	Geology	GEOL	351	GEOL351	Geological Problems	,	Original researchment Control International State of the Control International States (mineralogy-geochemistry, sedimentology-corangely), geomorphology-georaphister, structural geology-dectonics, geographys, geomorphology-georaphister, structural geology-dectonics, geographys, geomorphology-georaphister, structural geology-dectonics, geographys, geomorphology-georaphister, and additional subjects of specialized interest. For advanced geology and geocietics gladeries, geographister, geomorphology-geographister, geomorphology-geographister, geomorphology-geographister, geomorphology-geographister, geomorphology-geographister, geomorphology-geographister, geomorphology-geomorphology																	
Government & Law	Government & Law	GOVT	102	GOVT102	Intro International Politics	X	Preroquisite: Requires departmental permission														✓	abla		
Government & Law	Government & Law	GOVT	211	GOVT211	State & Local Government	х	nuclear proliferation, terrorism, pandemic, and other issues of global significance. Examines what state and local governments of so and why. Topics, include state constitutions; state legislative executive, and judicial processes and policymaking; state and local budgest, taxes, and spending; county, murricipal, special-distric, and school-district governments and services; state and local parties, elections, and constitutions of the special district, of the special district, of special																	
Government & Law	Government & Law	GOVT	207	GOVT207	Racial & Ethn Min US Politics	x	This course reviews the man issues and proclems controlled by the international system and the literature devoluted by the international system and the literature devoluted by the many controlled by the observation of the controlled by the devoluted by the devo	h																
Government & Law	Government & Law	GOVT	213	GOVT213	Law & Society	x	constitution for face, here are that shaped American policial orientations over time, insurinty policial attitudes and constitutions over time, insurinty policial attitudes and faces will be placed on the solutions of each ten placed to the face of the placed on the placed of the placed on the state of the placed on the placed of the placed on the placed of the placed on the placed of the placed on the place	8 🗆									\checkmark						\checkmark	
Government & Law	Government & Law	GOVT	231	GOVT231	Global Environmental Politics	×	Global Environmental Politics bridges international politics and environmental issues, offering an explicit focus on										\checkmark						\checkmark	
							environmental problems and policies in the global context. Students in this course will study the development of glob environmental regimes and analyze the successes and continuing deficiencies of political responses to usious environmental issues, such as air pollidon, water quality, and waste management, climate change, and energy use. [St																	
Government & Law	Government & Law	GOVT		GOVT270	Chinese Foreign Policy	x	V. W] This course examines the sources and conduct of Chinese foreign policy from both historical and theoretical perspectives. The first part of the course explores unjoir factors that influence China's foreign relations, including the attentional topics, disonatice policies, and attenulation. These second latef the coases turns to the practices of Chinese foreign policy over a wide-range of issue meas, tack in China's relations with the United States, Irade, regionalism, nucles prodictions, energy and distinct change (SS)																	
Government & Law	Government & Law	GOVT	418	GOVT418	Sem Demoe, Inclusion, Exclusin	x	Liberal democracies typically promise equal benefits and rights to all citizens. But who gets to count as a citizen and who is exoluded from all (or part) of its benefits? This course will explore the contested ideal of citizenship and chart a variety of ways that this ideal is undermined. Special attention is dedicated to mass																	
Government & Law	Government & Law	GOVT	419	GOVT419	Sem:Global Governance	×	This seminar explores the main nation and processes of global government. We will notest the role of power international institution, manuscrimed networks, and does Specific hospits of imaging inclined global economic governance, the environment, thind would state building, international statice, military intervention, nuclear profileration, and global errorism. We will apply competition and vision approaches to different since areas, as the																	
History	History	HIST		HIST105	History of the Modern World	x	occurrention and rouid exclusion within the United States, ISS, CMH, V.W. We consecuted the control of the cont	nd 1															abla	
History	History	HIST	119	HIST119	Race/Ethnicity in the US	x	The stary of American history has, in many ways, been the story of white supremacy. The struggles to invent, defined, and control race and editority in broth America tool place over certainset, and transformed governments, likely styring and even environments. Students will read and debate historical scholarship on topics ranging from indian empires to slavery, immigration, civil right, and measu-encertainto. Students will also learn how to recently, write, and measurements.	s,				_		_									<u></u>	
History	History	HIST	252	HIST252	Transform Amer Environment	х	bistorical research paper [GM, SS, W] This course examines the relationship of environment (and environmental change) to American history. Topics includ the impact of colonial settlement and 19th century industrial expansion on the environment, the effect of transportatio technologies on land use, the centure between environmental protection and conservation as exemplified in the technologies on land use, the centure between environmental protection and conservation as exemplified in the																	
Interdisciplinary	Interdisciplinary	INDS	223	INDS223	Social Entrepreneurship	x	progressive era battle over construction of Heich Hetchy Dans in Yosemite National Park; and the origins of environmental movement of the 1964-705 k [85] environmental movemental movementa	ts .																
Interdisciplinary	Interdisciplinary	INDS	331	IND8331	Current Issues Health, LifeSci	х	environmental movement of the 1964-170. [SS] Course typins include a target of hanise mush claim often-printfi groups, organizations with revenue-operating product or everse in promit of a could gut, and southly requalled the point computers. Solicion with them that cample of the country of																	
International Affairs	International Affairs	IA	200	IA200	Globalization and Its Critics	x	engaging with discommunity Audios. This infending/use youth efficiency counter industrial to the adolarly librarian on the origins, development, and current radiates of justifications, in covers he apparent on this proposetion and order of polishated both covers and the proposetion and order justification for the control and proposetion and order justifications and the restort and proposet generated of polishated both the counter allies qualified, qualified, and applied distinguished to literations and order justification, and polished and polished both the counter and order of international polished both the counter and the following and to locate from the counter and the following the counterpolished polished both the counterpolished and the counterpolished and the counterpolished polished both the counterpolished and counterpolished polished polished polished and counterpolished polished polishe	d in																
International Affairs	International Affairs	IA	240	IA240	Pursuing Global Sustainability	x	analysts to flurminate and critique global economic, political, and social trends. This course investigates the chilerge of tachieving global sistatisability by looking an a election of international sustainable development goals. Students will investigate progress toward sustainability caroos the world, with an emphasis on transautional connections and the holobitic nature of the sustainability challenge. Students will repolar the importance of measurement and monitoring for global sustainability invalidating direct engagement with and analysis of its will and analysis of its will be approximately the control of	cy 🗆																
International Affairs	International Affairs	IA	310	IA310	Mapping World Cities	х	This course takes a transautional perspective on the "Urban Century," in which, for the first time in human history, the majority of perspel live in whan areas. Students will study the development and changing footprint of world cities and world city networks, considering issues including migration, disaporas, land use, transportation, gentrification,						\checkmark											
International Affairs	International Affairs	IA	330	1A330	Global Extraction & Resistance	x	This Source columbing spload extraction for nick-remeasities resolutions such as measure, rain-cerum finifelais an foosif fuels; coal, oil, and entitand gas. We will investigate the relationship between extraction and spload environmental veil-being and human rights of the communities where resources are extracted. We will also environmental veil-being and human rights of the communities where resources are extracted. We will also examine how social movements are organizing to transform the extractive industry and the global extraction.																	
Mechanical Engineering	Mechanical Engineering	ME	374	ME374	Sustainable Building Design	х	[GMZ, V] This course covers the technologies used in the design and construction of environmentally autainable buildings. Students will expand on their thermodynamics background to malyze systems used to heat spaces up, cool them down produce hot water, and generate on-site energy. The course will also incorporate an analysis of the students, codes, as rating systems used in the design and justification of sustainable buildings. Case studies will necked on-curpus	d																
Mechanical Engineering	Mechanical Engineering	ME	497	ME497	Senior Design Project I	x	intering systems used in the design and positionation of nationalithe hashings. Case totales will residue to except the properties of the control of the properties of the control of the properties and the seaso of nationalities are controlled part of sall sequenties national properties the schooled part of salls sequenties national residues of the properties of the seaso of nationalities including exceptions. Controlled part of salls sequenties national sequenties the controlled part of the sequenties of the se																	
Mechanical Engineering	Mechanical Engineering	ME	498	ME498	Senior Design Project II	x	their achievements frecogly ord and written presentations. Project of the subserfet choice is careful drough from problem formulation to completion. This sequence represents the students' major design experience and is based on knowledge and skills sequired in surface course. Design criteria an objectives are formulated, and retailstic courstains including commise, environmental, unstainable), manufacility exhibits theirs, health and safety, social, and political are considered. Engineering analysis and synthesis techniques are applied and intented to obtain an optimal design solutions. Sudent design and conduct experience to verify design and intented to obtain an optimal design solutions. Sudent design and conduct experience to verify design.	y,																
Philosophy	Philosophy	PHIL	155	PHIL155	Environmental Ethics	х	performance. Students document their achievements through oral and written presentations. This course will begin with a hirrig resentation of grominent ethical theories and concepts important to debutes in environmental polecy. We will apply these theories and concepts to a range of environmental issues, including population growth, nontrinshiptly and our responsibilities to future generations, animal rights, food ethies, and climate population growth, nontrinshiptly and our responsibilities to future generations, animal rights, food ethies, and climate population of the contribution of the contrib																	
Foreign Language & Literature	Spanish	SPAN	345	SPAN345	Indig Philes and Cultural Prod	x	engage on a practical level with some environmental cause. [II, V, W] An interdisciplinary approach to the long-lasting resistance of indigenous peoples through the Americas. The course which indigenous productions regarding subjects such as religion, gender, class, economy, and environmental sustainability during Colonial and/or Republican periods on literature, visual arts, cinema, and political theory. A reference will be placed in the energence of decolonial and ant-appulied studgets led by indirectous intellectuals and	ill al																
Theater	Theater	THTR	209	THTR209	Theatre and Environment	x	use, climate change, genetic modification, and animal rights. We will also read articles on green theater, criticism and theory. Examining these issues in the context of performance allows us a ringside seat to som	e																\checkmark
Women's & Gender Studies	Women's, Gndr&Sexuality Studies	WGS	204	WGS204	Gender & Environmentalism	X	of the mod important issues and debates of our time, [H, GMZ, V, W]. This coarse means jet visigists of revinemental studies/science, such such facts on relationships between long leading and their environment, and entirements, and entirements, and entirements, and entirements and entirements. The conceivering the entire of power and analysing at the interestion of deep and and predegle at the interestion of the earth grant and environmental studies. We explore from of environmental activatory in extinct to gender and general difference. The continuements was a few and an analysis of the environmental studies and the environmental studies are considered in the environmental studies. (See East See East Se																	
Women's & Gender Studies	Women's, Gndr&Sexuality Studies	s WGS	249	WGS249	Women in US Crim Justice Syst	x	(gameuary as intersecting with race, class, and sexuality), and reflect on popular attitudes toward environmental issu [GM1] This course engages students in critical analysis of the criminal justice system and of significant innovations and proposals for referen of policies, programs, and practices. This somitar will introduce the students to the history women in rison, the profile of swimen refrances, conspiration and cowards achieves for which the confidence of the confiden	es .																
							[OM1] are supported and the control analysis of the criminal junior, system and of spriftest inservation and a few control and the control and	is ay									\checkmark						\checkmark	