

[COURSES OFFERED AT CLC RELATED TO SUSTAINABILITY]

Division	Sustainability*	Course	Course Title	Hours	Course Description	Notes
Biological and Health Sciences	Major Focus on Environmental-Sustainability Issues	BIO 120	Environmental Biology (3-2)	4 Hours	This course focuses on the relationships between humans and the environment. Topics include ecology, population biology, modification of our environment, resource use, land use planning, pollution, and energy. The goal is to better understand the biological and social problems that human use and misuse of the environment cause. Students may not receive credit for both BIO 120 and BIO 140. NOTE: Required, local field trips are scheduled during several (approximately ½) of the lab periods. Students are responsible for their own transportation to and from field sites. This course is recommended for non-science majors needing a one-semester lab science course.	Prerequisite: Language Proficiency and Basic Algebra Readiness Course fee IAI: L1 905L
Biological and Health Sciences	Major Focus on Environmental-Sustainability Issues	BIO 140	Environmental Biology without Lab (3-0)	3 Hours	This non-lab course studies environmental issues that arise from the interaction of humans and the environment. Topics include ecology, population biology, modification of our environment, resource use, land use planning, and energy. The goal is to better understand both the problems brought about by human use and misuse of the environment and potential solutions for those problems. Students may not receive credit for both BIO 140 and BIO 120.	Prerequisite: Language Proficiency and Basic Algebra Readiness IAI: L1 905
Biological and Health Sciences	Major Focus on Environmental-Sustainability Issues	BIO 141	Concepts in Biology (3-2)	4 Hours	This course emphasizes scientific inquiry through selected concepts of biology, such as organization, function, heredity, evolution and ecology. Biological issues with personal and social implications will be introduced to enable students to make informed decisions. A laboratory component will reinforce concepts introduced in the lecture portion of class.	NOTE: This course is recommended for non-science majors needing a one-semester lab science course and is not intended for students wishing to enter an allied health or pre-professional field. Prerequisite: Language Proficiency and Basic Algebra Readiness Course fee IAI: L1 900L
Biological and Health Sciences	Major Focus on Environmental-Sustainability Issues	BIO 162	General Biology II (3-3)	4 Hours	This course examines the following areas of biology: ecology, evolution, systematics, biological diversity, and development. Laboratory work includes field and laboratory experiments and computer simulations. This course is the second semester of a two semester sequence intended for biology majors and students seeking careers in medicine, pharmacy, dentistry, occupational therapy, physical therapy, or veterinary medicine.	Note: This course replaces BIO 122. Prerequisite: BIO 161(formerly BIO 121) (C or better) Course fee IAI: BIO 910

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<b>Biological and Health Sciences</b>	<u>Major Focus</u> on Environmental-Sustainability Issues	BIO 222	General Botany (2-4)	4 Hours	This course is a comparative study of plant life, from algae through the flowering plants, and fungi. Morphology, ecology, and evolution will be stressed with some identification and collection of local flora.	Prerequisite: BIO 120, BIO 123, BIO 161 or HRT 111 (C or better in any one) Course fee
<b>Biological and Health Sciences</b>	<u>Major Focus</u> on Environmental-Sustainability Issues	BIO 225	Environmental Problems (2-4)	4 Hours	This course is a continuation of the study of ecology and current environmental problems that were introduced in BIO 120. Topics include hazardous wastes and chemicals, species extinction and management, and pollution of Lake Michigan. The emphasis in lab will be to study various types of pollution and ecological processes	Prerequisite: BIO 120 (C or better) Course fee
<b>Biological and Health Sciences</b>	<u>Major Focus</u> on Environmental-Sustainability Issues	BIO 299	Special Topics in Biology (Variable)	1-3 Hours	This course addresses the in-depth study of special topics in biology that do not have specific courses in the catalog. Course content will vary depending on the topic being studied. Topics may include environmental issues, risks to human health, implications of recent research in Biology, etc. This course is repeatable up to three times, any topic only once, for a maximum of 6 hours towards degree completion.	Course fee May be taken four times for credit toward degree
<b>Biological and Health Sciences</b>	<u>Major Focus</u> on Environmental-Sustainability Issues	CHM 140	Chemistry for a Changing World (3-0)	3 Hours	Course is intended for non-science students seeking general education credit in a physical science course without a laboratory. Course emphasizes basic principles of chemistry and their relationship to the modern world. This course will foster an interest in science by preparing students to make effective decisions by developing thinking skills that can be applied to challenges in a changing world. Topics include air and water pollution, energy resources, basic biochemistry, and current scientific developments involving chemistry. Note: students may not receive credit towards a degree for both CHM 140 and CHM 142.	Prerequisite: Language Proficiency and Basic Algebra Readiness IAI: P1 903
<b>Biological and Health Sciences</b>	<u>Major Focus</u> on Environmental-Sustainability Issues	CHM 142	Chemistry for a Changing World-LAB (3-2)	4 Hours	Course is intended for non-science students seeking general education credit in a physical science course with a laboratory component. Course emphasizes basic principles of chemistry and their relationship to the modern world. This course will foster an interest in science by preparing students to make effective decisions by developing thinking skills that can be applied to challenges in a changing world. Topics include air and water pollution, energy resources, basic biochemistry, and current scientific developments involving chemistry. NOTE: students may not receive credit towards a degree for both CHM 140 and CHM 142.	Prerequisite: Language Proficiency and Basic Algebra Readiness Course fee IAI: P1 903L

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<b>Biological and Health Sciences</b>	<u>Major Focus</u> on Environmental-Sustainability Issues	HRT 114	Introduction to Soils (2-2)	3 Hours	This course introduces students to the science and function of native and artificial soils as they relate to plants and the environment. Topics on formation, physical characteristics, nutrient content and availability, water movement, taxonomy and biota interactions are covered.	Prerequisite: HRT 111 (C or better) Recommended: BIO 120 AND CHM 140 or CHM 142 Course fee
<b>Biological and Health Sciences</b>	<u>Major Focus</u> on Environmental-Sustainability Issues	HRT 116	Entomology (2-2)	3 Hours	Studies the importance of insects to humans. Topics include insect biology, principles of pest management, natural and applied insect control, and insect pests of vegetables, fruit, and ornamental plants. Labs include observation, identification, and diagnosis of insect plant pests.	Prerequisite: Language Proficiency and Basic Algebra Readiness Course fee
<b>Biological and Health Sciences</b>	<u>Major Focus</u> on Environmental-Sustainability Issues	HRT 218	Nursery Production (2-2)	3 Hours	This course addresses the principles and practices of nursery production and management, and how these have changed over recent years to reflect environmental sustainability in the green industry. Course will include production techniques for traditional nursery crops as well as native species, and will include fieldwork at nearby growing facilities.	Prerequisite: HRT 111 and HRT 211 (both C or better) Course fee
<b>Biological and Health Sciences</b>	<u>Major Focus</u> on Environmental-Sustainability Issues	HRT 219	Organic Growing and Sustainable Practices (3-0)	3 Hours	This course explores the requirements for USDA organic certification, the growth in "organic" strategies for a variety of horticultural production areas, the expansion of small organic growing operations catering to local markets, and how sustainability concerns are changing the green industry.	Prerequisite: HRT 111 (C or better)
<b>Biological and Health Sciences</b>	<u>Major Focus</u> on Environmental-Sustainability Issues	HRT 275	Natural Areas Management (2-4)	4 Hours	This course provides an overview of natural areas restoration and management issues for the Midwest region. Major plant communities for this region such as wetland, prairie, savanna and woodland will be addressed in terms of their ecology, key identifying features, management issues and restoration techniques. Field trips will expose students to all phases of restoration work, from initial construction to high-quality natural area. Fieldtrips also will provide an opportunity for hands-on practice at various management techniques like prescribed burning and vegetation monitoring.	Prerequisite: Language Proficiency and Basic Algebra Readiness Recommended: BIO 126 (C or better)
<b>Biological and Health Sciences</b>	<u>Major Focus</u> on Environmental-Sustainability Issues	HRT 285	Sustainable Landscapes (3-0)	3 Hours	This class will explore greenroof systems, living walls, gray water catchment systems, rain gardens, bioswales, water quality treatment with plants, phytoremediation (plants) and mycoremediation (fungi) techniques for treating contaminated soils, and a number of other approaches to create more sustainable landscapes and green infrastructure. Students will gain an understanding	Prerequisite: Completion of at least 25 credit hours in Horticulture (C or better)

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					of how these approaches work, what is involved to design and build them, and how to assess construction materials and costs.	
<b>Biological and Health Sciences</b>	<u>Major Focus</u> on Environmental-Sustainability Issues	HRT 295	Seminars in Horticulture (1-0)	1 Hour	This is a capstone course for horticulture majors. It addresses current environmental trends in the green industry, job readiness, resume preparation and interview skills. Guest speakers include a range of representatives from the green industry.	
<b>Biological and Health Sciences</b>	<u>Major Focus</u> on Environmental-Sustainability Issues	PED 229	Experience in the Out-of-Doors (Variable)	1-3 Hours	Extends the classroom into the out-of-doors. Outdoor experiences are provided in a variety of natural areas through field trips. Instructional emphasis is placed on how to move through these areas with minimum environmental impact and how to live within them through various outdoor activities such as camping and hiking.	NOTE: No more than 3 credit hours may count toward an associate degree. May be taken twice, but any topic only once
<b>Engineering Math and Physical Science</b>	<u>Parts of Course Related</u> to Environmental-Sustainability Issues	ABR 130	Automotive Refinishing I (2-2)	3 Hours	This course will focus on paint safety and environmental practices. All current types of automotive finishing will be discussed. Students will learn proper surface preparation techniques and the operation of refinishing and mixing equipment. Classroom and hands on will be utilized.	Course fee
<b>Engineering Math and Physical Science</b>	<u>Major Focus</u> on Environmental-Sustainability Issues	ARC 219	Introduction to Environmental Design (3-0)	3 Hours	Sustainable design is demanded in the marketplace and is necessary for projects that attempt to get toward a 0 carbon footprint. Students will analyze case studies of existing sustainable designs. Students will be able to explain the development of sustainable design. Students will develop an understanding of sustainable design and will be able to determine ways of providing a sustainable design as the solution to a design problem.	Prerequisite: Language Proficiency
<b>Engineering Math and Physical Science</b>	<u>Parts of Course Related</u> to Environmental-Sustainability Issues	CIV 215	Special Problems (2-3)	3 Hours	Problems of individual interest in civil technology. Advanced study in one or more technical areas such as highway design, pollution control, and surveying may be approved.	NOTE: Student must furnish basic required equipment. Prerequisite: Language Proficiency and Basic Algebra Readiness
<b>Engineering Math and Physical Science</b>	<u>Major Focus</u> on Environmental-Sustainability Issues	CMT 217	Green Construction Practices and Project Rating Systems (3-0)	3 Hours	This course introduces students to the green building construction practices and green/sustainable project rating systems.	The United States Green Building Council's(USGBC)LEED program is used as a reference. Prerequisite: Language Proficiency and Basic Algebra Readiness Recommended: At least 30 hours completed in CMT, ARC, HRT, EET, or RAC degree program OR equivalent industry experience.

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<b>Engineering Math and Physical Science</b>	<u>Major Focus</u> on Environmental-Sustainability Issues	EET 130	Introduction to Renewable Energy Sources (3-2)	4 Hours	This course provides an overview of renewable (essentially carbon-free) energy sources with an emphasis on Solar, Wind and Geothermal technologies. Students will acquire an understanding of various renewable energy systems and their underlying physical and technological principles, economics, environmental impact and how these technologies can be integrated into an overall energy system.	Prerequisite: MTH 102 or equivalent with a grade of C or better and Language Proficiency
<b>Engineering Math and Physical Science</b>	<u>Parts of Course Related</u> to Environmental-Sustainability Issues	ESC 120	Earth Science (3-2)	4 Hours	This course is designed for students of non-science or science major who are interested in physical features related to our dynamic earth. Topics of the course include some fundamental concepts and features in geology, meteorology and astronomy, such as earthquakes, volcanic activities weathering process, surface water, atmosphere components, weather, the universe, the solar system, etc. Course materials are organized to enable students to understand how different components of our dynamic earth are related to one another. Most topics are assisted with hands-on lab exercises.	Prerequisite: Language Proficiency and Basic Algebra Readiness Course fee IAI: P1 905L
<b>Engineering Math and Physical Science</b>	<u>Parts of Course Related</u> to Environmental-Sustainability Issues	ESC 123	Introduction to Meteorology (3-0)	3 Hours	For the non-science major or those who wish to gain a comprehensive overview of the science of meteorology without a laboratory component. The primary goal of this course is to help students become better educated consumers of the massive amount of weather information now available to them. Topics will include high and low pressure systems, fronts, clouds, the jet stream, winter precipitation, thunderstorms and severe weather, hurricanes, air-ocean interactions (El Nino and La Nina), weather analysis, an introduction to weather forecasting, and human impacts on weather and climate. The student should be comfortable with interpreting maps, charts, and diagrams. Note: students may not receive credit toward a degree for both ESC 123 and ESC 127.	Prerequisite: Language Proficiency and Basic Algebra Readiness IAI: P1 905
<b>Engineering Math and Physical Science</b>	<u>Parts of Course Related</u> to Environmental-Sustainability Issues	ESC 124	Oceanography (3-0)	3 Hours	For the non-science major or those who wish to gain a comprehensive overview of the science of oceanography. Topics include a history of oceanographic investigations; topography, structure, and evolution of the ocean basin; chemical and physical properties of ocean water and water masses; waves; tides; oceanic circulation; shoreline processes; estuaries; marine sediments; hurricanes; resources; fisheries; and ecology.	Prerequisite: Language Proficiency and Basic Algebra Readiness IAI: P1 905
<b>Engineering</b>	<u>Parts of Course</u>	ESC	Geology of	2 Hours	A survey of the principle aspects of Illinois geology, with	Prerequisite: Language Proficiency

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<b>Math and Physical Science</b>	<u>Related</u> to Environmental-Sustainability Issues	126	Illinois (2-0)		emphasis on the landforms, rocks, soil, structure and glacial history of Illinois and parts of adjacent states. Also active geologic processes today, resource development, land and water use and management.	and Basic Algebra Readiness
<b>Engineering Math and Physical Science</b>	<u>Parts of Course Related</u> to Environmental-Sustainability Issues	ESC 127	Introduction to Meteorology with Lab (3-2)	4 Hours	For the non-science major or those who wish to gain a comprehensive overview of the science of meteorology with a laboratory component. The primary goal of this course is to help students become better educated consumers of the massive amount of weather information now available to them. Topics will include high and low pressure systems, fronts, clouds, the jet stream, winter precipitation, thunderstorms and severe weather, hurricanes, air-ocean interactions (El Nino and La Nina), weather analysis, an introduction to weather forecasting, and human impacts on weather and climate. The student should be comfortable with interpreting maps, charts, and diagrams.	Note: students may not receive credit toward a degree for both ESC 123 and ESC 127. Prerequisite: Language Proficiency and Basic Algebra Readiness IAI: P1 905L
<b>Engineering Math and Physical Science</b>	<u>Major Focus</u> on Environmental-Sustainability Issues	ESC 224	Environmental Geology (3-0)	3 Hours	For the non-science major or as a foundation course for those wishing to major in environmental sciences. A critical and objective approach is utilized to evaluate the human interrelationship with geological hazards and problems. Volcanoes, earthquakes, landslides and subsidence, surface and groundwater hydrology, waste disposal, mineral resources, and the energy situation are all included.	Prerequisite: Language Proficiency and Basic Algebra Readiness
<b>Engineering Math and Physical Science</b>	<u>Parts of Course Related</u> to Environmental-Sustainability Issues	HET 110	Basic Refrigeration Systems (2-4)	4 Hours	(Previously RAC 110) This course introduces students to basic refrigeration theory and practice in Heating, Ventilation, Air-Conditioning and Refrigeration (HVACR). The function and operational characteristics of the mechanical refrigeration system including condensers, evaporators, compressors, refrigerant metering devices, sustainable energy sources and refrigerants are covered. The use and operation of service manifolds, leak detection, system evacuation and charging, test equipment, flaring, soldering and brazing skills are covered.	NOTE: The student will be required to purchase basic hand tools that will be used in this and other refrigeration and air conditioning courses. Course fee
<b>Engineering Math and Physical Science</b>	<u>Parts of Course Related</u> to Environmental-Sustainability Issues	HET 111	HVACR Electricity I (2-4)	4 Hours	(Previously RAC 174) This course introduces students to basic AC and DC circuitry, the laws of electricity, wiring of basic HVACR equipment, and safety procedures with an emphasis placed on sustainable energy sources through the use of lectures, demonstrations, and lab experiences. The function and operational characteristics of various types of electric controls including thermostats, defrost	NOTE: Student will be required to purchase basic hand tools used in this and other HVACR courses. Course fee

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					controls, relays, and contactors are studied, along with capacitors, power distribution, motors, and protective devices. This course introduces the National Electrical Code, the use of meters, schematics, wiring diagrams, electrical troubleshooting, electrical service procedures and electrical test equipment.	
<b>Engineering Math and Physical Science</b>	<u>Parts of Course Related to Environmental-Sustainability Issues</u>	HET 119	HVACR Electricity II (2-4)	4 Hours	(Previously RAC 119) This course covers intermediate AC and DC circuitry, the laws of electricity, wiring of HVACR equipment, and safety procedures with an emphasis placed on sustainable energy sources. Through lectures, demonstrations, and lab experiences, students will learn about various types of residential and commercial heating and air-conditioning, commercial refrigeration electrical service, and installation and preventive maintenance techniques. The function and operational characteristics of various types of electric controls will be covered including thermostats, defrost controls, relays, contactors, capacitors, power distribution, motors, system malfunction diagnosis, corrective procedures, and protective devices. This course also introduces part-winding starts, Wye and Delta wound transformers, programmable controllers, Electronically Commutated Motors (ECM), and Variable Frequency Drive motors (VFD). The National Electrical Code is reinforced, as well as the use of meters, schematics, wiring diagrams, electrical troubleshooting, electrical service procedures, and electrical test equipment.	NOTE: Students will be required to purchase basic hand tools used in this and other HVACR courses. Prerequisite: HET 110 and HET 111 Course fee
<b>Engineering Math and Physical Science</b>	<u>Parts of Course Related to Environmental-Sustainability Issues</u>	HET 190	EPA Certification Preparation (1-2)	2 Hours	(Previously RAC 176) This course introduces students to basic refrigeration, theory, and practice of the EPA mandated Section 608 Refrigeration Certification exam. The function and operational characteristics of the mechanical refrigeration system including condensers, evaporators, compressors, refrigerant metering devices, and sustainable energy sources refrigerants are covered, as well as material pertinent for students to pass the EPA exam. This course also introduces ozone depletion, the Clean Air Act, the Montreal Protocol, CFC and HCFC refrigerant replacements, recovery cylinders, shipping and transportation of refrigerants, system operational pressures, substitute refrigerant replacement, recharging techniques, refrigerant recovery and reclaiming, and basic system troubleshooting. This course reinforces the use and	NOTE: The student will be required to purchase basic hand tools that will be used in this and other refrigeration and air conditioning courses. Prerequisite: HET 110 or Consent of Instructor Course fee

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					operation of service manifolds, leak detection, test equipment, flaring, soldering and brazing skills.	
<b>Engineering Math and Physical Science</b>	<u>Major Focus</u> on Environmental-Sustainability Issues	HET 294	Green Building/Energy Sustainability (3-0)	3 Hours	This course provides an introduction to "Green Building" within the LEED certification process. Other topics related to sustainability will be covered including conservation, insulation, weatherization, and renewable energy technologies such as wind, solar, and geothermal systems.	Prerequisite: MTH 114 or higher or appropriate score on Math Placement test or Math ACT score of 17 or higher; and minimum APT score of 122 or minimum CELSA score of 50, or Language Proficiency; or Consent of Instructor Course fee
<b>Engineering Math and Physical Science</b>	<u>Parts of Course Related</u> to Environmental-Sustainability Issues	HET 219	HVACR Electricity III	(2-4) 4 Hours	This course covers advanced AC and DC circuitry, the laws of electricity, wiring of HVACR equipment, and safety procedures with an emphasis placed on sustainable energy sources. Through lectures, demonstrations, and lab experiences, students will learn about various types of residential and commercial heating and air-conditioning, commercial refrigeration and electrical service, installation, preventive maintenance techniques, and direct digital controls. The operational characteristics of various types of electric controls including thermostats, defrost controls, relays, and contactors will be covered, as well as capacitors, power distribution, motors, system malfunction diagnosis, corrective procedures, and protective devices. Students will be introduced to part-winding start, Wye and Delta wound transformers, programmable controllers, Electronically Commutated motors (ECM), Variable Frequency Drive motors (VFD), National Electrical Code, the use of meters, schematics, wiring diagrams, electrical troubleshooting, electrical service procedures, and electrical test equipment.	Prerequisite: HET 119 and MTH 114 or higher or appropriate score on Math Placement test or Math ACT score of 17 or higher; and minimum APT score of 122 or minimum CELSA score of 50 or Language Proficiency; or Consent of Instructor.
<b>Engineering Math and Physical Science</b>	<u>Parts of Course Related</u> to Environmental-Sustainability Issues	WWW 112	Fundamentals of Wastewater Treatment (3-0)	3 Hours	Wastewater-Includes basic theory and design for primary and secondary treatment facilities, review of water pollution regulations, sludge handling, disinfection, and review of mathematics for state certification tests.	NOTE: Completion of MTH 115 or higher is strongly recommended.
<b>Engineering Math and Physical Science</b>	<u>Parts of Course Related</u> to Environmental-Sustainability Issues	WWW 113	Basic Waterworks Operations (3-0)	3 Hours	Potable Water-Includes water sources and quality, pumps and hydraulics, chlorination and fluoridation, distribution, certification, and operational reporting. Aids students in preparing for class "D" and "C" certification examination, which includes waterworks facilities that are limited to storage, distribution, and chemical addition to the water	NOTE: Completion of MTH 115 is strongly recommended. Course fee

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<b>Engineering Math and Physical Science</b>	<u>Parts of Course Related to Environmental-Sustainability Issues</u>	WWW 114	Introduction to Water and Wastewater Analysis (2-2)	3 Hours	An introductory study of laboratory procedures used for the analysis of potable water, wastewater, industrial wastes, and surface and ground waters. Develops an understanding of the theory and laboratory techniques needed for evaluation of treatment methodology, operational practices, and laboratory certification. Special emphasis will be placed on the use of standard methods of analysis for compliance monitoring requirements.	NOTE: Completion of MTH 115 or higher is strongly recommended. Course fee
<b>Engineering Math and Physical Science</b>	<u>Parts of Course Related to Environmental-Sustainability Issues</u>	WWW 299	Selected Topics in Water Wastewater (Variable)	1-3 Hours	Problems of individual interest in water supply or wastewater treatment technology. Advanced study in one or more technical areas such as treatment processes, design, water quality, process automation, laboratory instrumentation, or water/wastewater mathematics may be approved.	May be taken four times, but any topic only once
<b>Social Science</b>	<u>Parts of Course Related to Environmental-Sustainability Issues</u>	ANT 121	Introduction to Anthropology	3 Hours	This course is an introduction to the nature of humans and their development and relationship to the physical, social, and cultural environments both past and present. This course surveys the major fields of anthropology: physical anthropology, ethnology, linguistics, and archaeology, with an emphasis on non-Western cultures and underrepresented groups. <i>Note from the Dean of Social Sciences: a big part of this class is focused on evolution through natural selection...sort of the bedrock upon which sustainability studies is constructed.</i>	Prerequisite: Language Proficiency This course fulfills the CLC International/Multicultural Education requirement IAI: S1 900N
<b>Social Sciences</b>	<u>Parts of Course Related to Environmental-Sustainability Issues</u>	ANT 221	Cultural Anthropology	3 Hours	This course is a study of the nature and development of culture. The economic, political, religious and social organizations of selected human groups (with an emphasis on non-Western and underrepresented groups) are examined, compared and evaluated. It explores the cultural determinations of individual human behavior and means of adaptation. <i>Note from the Dean of Social Sciences: ..much of the course is about how humans interact with their physical and cultural environment.</i>	Prerequisite: Language Proficiency This course fulfills the CLC International/Multicultural Education requirement IAI: S1 901N
<b>Social Science</b>	<u>Parts of Course Related to Environmental-Sustainability Issues</u>	ANT 222	Introduction to Physical Anthropology (3-0)	3 Hours	This course is an introductory survey of basic concepts, theories, and information addressing physical anthropology. Specifically, this course explores human origins, primate and human fossil records, population genetics, human adaptation and variation, and humankind's place in the world ecology.	Prerequisite: Language Proficiency IAI: S1 902
<b>Social Science</b>	<u>Parts of Course Related to</u>	GEG 120	Principles of Physical	4 Hours	This introductory physical science course examines the processes and agents that help to shape and change the	Prerequisite: Language Proficiency and Basic Algebra Readiness

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	Environmental-Sustainability Issues		Geography (3-2)		environment in which humans live, as well as the spatial interrelationships that exist between the earth's heat and energy systems and weather, climate, biogeography (soils, vegetation), landforms, forces of erosion and human activities. The lab component requires students to apply the scientific method to a variety of problems/exercises related to physical geography. Some exercises may involve field work and local field trips. The lab exercises integrate map reading and interpretation skills.	Course fee IAI: P1 909L
<b>Social Science</b>	<u>Parts of Course Related to Environmental-Sustainability Issues</u>	GEG 121	Physical Geography (3-0)	3 Hours	Physical Geography is the study of all the processes and agents that help to shape and change the environment in which humans live. Emphasis is placed on the interrelationships that exist between the earth's heat and energy systems and the weather, climate, soils, vegetation, streams, oceans, landforms, and people and their activities.	NOTE: This course meets the physical science non-lab general education requirement. Prerequisite: Language Proficiency IAI: P1 909
<b>Social Science</b>	<u>Parts of Course Related to Environmental-Sustainability Issues</u>	GEG 122	Cultural Geography (3-0)	3 Hours	Cultural Geography is an introductory survey course that is designed to help students acquire geographic knowledge about human culture, trends and activities. A wide range of current and urgent world concerns such as population control, cultural differences, urbanization, economic livelihoods, and state and nation systems, are placed in a human-geographic context. The course will also assist students gain better geographic perceptions on current world affairs.	Prerequisite: Language Proficiency IAI: S4 900N
<b>Social Science</b>	<u>Parts of Course Related to Environmental-Sustainability Issues</u>	SOC 222	Social Problems (3-0)	3 Hours	This course provides an analysis of contemporary social problems and investigates the theories that examine social disorganization. Among areas developed are problems of race and ethnic relations, issues of health care, poverty, sexual and economic inequality, crime and penal institutions, aging, and environmental crises.	Note: SOC 121 is recommended but not required to enroll in this course. Prerequisite: Language Proficiency IAI: S7 901
<b>Social Science</b>	<u>Parts of Course Related to Environmental-Sustainability Issues</u>	SOC 299	Special Topics in Sociology (Variable)	1-3 Hours	This course addresses the in-depth study of special topics in sociology that do not have specific courses in the catalogue. Course content will vary depending on the topic being studied and may include topics in global inequity, race and gender, education, environment, and social change. This course may be taken up to four times for a maximum of 6 hours towards degree completion.	May be taken four times, but any topic only once