

Start/End Dates

Meeting Days

Meeting Times

Location

Instructor

Course Topic (if applicable)

GEOGRAPHY, GEOLOGY & ENVIRONMENTAL SCIENCE**Environmental Science**

ENVSCI 200 INTRODUCTION TO ENVIRONMENTAL SCIENCE (GM) ... *The introductory course for the environmental sciences major introduces students to the complexity of topics included in environmental sciences and is the important first step in the major. A one hour discussion section allows students and instructors to explore current topics and issues that fall within environmental science.*

PREREQ: MATH 141 OR WAIVER OF MATH 141

#1804	Section 01	[units: 4]	Gen Ed Math/Natural Sciences (GM)				
	09/06-12/22	M	01:00 PM - 01:50 PM	UHO160	Stephen Levas		
	09/06-12/22	TR	12:30 PM - 01:45 PM	UHO143	Stephen Levas		
#1806	Section 02	[units: 4]	Gen Ed Math/Natural Sciences (GM)				
	09/06-12/22	W	01:00 PM - 01:50 PM	UHO160	Stephen Levas		
	09/06-12/22	TR	12:30 PM - 01:45 PM	UHO143	Stephen Levas		

ENVSCI 400 ENVIRONMENTAL SCIENCE CAPSTONE ... *This course enables students to utilize the wide range of knowledge and skills acquired in other courses to complete an original, interdisciplinary environmental science research project while acquiring and refining crucial skills such as research design, analysis, presentation, and teamwork that will prepare them for a career in environmental sciences.*

PREREQ: ENVIRONMENT SCIENCE MAJOR, SENIOR STANDING OR CONSENT OF INSTRUCTOR

#1802	Section 01	[units: 3]					
	09/06-12/22	MW	02:00 PM - 03:15 PM	UHO160	Andrea Romero		

ENVSCI 493 INTERNSHIP IN ENVIRONMENTAL SCIENCE ...

#1805	Section 01	[units: 1-3]					Dept. Consent
	09/06-12/22	Arranged	Arranged		Dale Splinter		

ENVSCI 498 INDEPENDENT STUDY IN ENVIRONMENTAL SCIENCE ... *Study of a selected topic or topics under the direction of a faculty member. Repeatable one time for a maximum of 6 credits in major/degree.*

#3860	Section 01	[units: 1-3]					Dept. Consent
	09/05-12/22	Arranged	Arranged		Stephen Levas		

ENVSCI 498R INDEPENDENT STUDY - UNDERGRADUATE RESEARCH ... *Study of a selected topic or topics under the direction of a faculty member. Repeatable one time for a maximum of 6 credits in major/degree.*

#3859	Section 01	[units: 1-3]					Dept. Consent
	09/05-12/22	Arranged	Arranged		Elisabeth Harrahy		

Geography

GEOGRPY 100 INTRODUCTION TO GEOGRAPHY ... *Introduction to Geography introduces students to the specialties within geography, outlines the academic tracks within the major and associated requirements, and explores public and private career opportunities in the field of geography. Required of all majors at earliest opportunity.*

PREREQ: DECLARED GEOGRAPHY MAJOR

#1681	Section 01	[units: 1]					
	09/06-12/22	T	05:00 PM - 06:30 PM	UHO150	Peter Jacobs		

GEOGRPY 120 INTRODUCTION TO WEATHER AND CLIMATE (GL) ... *This course introduces students to the processes controlling and distinguishing weather and climate. Particular emphasis is on data selection, interpretation, and analysis. The impacts of severe weather and climate change on humans is also emphasized. The labs expose students to the wide range of weather and climate information currently available on the Internet.*

COREQ: MATH 141 OR WAIVER

#1733 Section 01 [units: 4] Gen Ed Laboratory (GL) NOTE: This is an entirely web based section taught out of D2L. Contact the instructor for additional information. Additional required course fee is \$200.

	09/06-12/22	Arranged	Arranged	WEB BASED	John Frye		
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#1769 Section 01W [units: 4] Gen Ed Laboratory (GL) NOTE: This is an entirely web based section taught out of D2L. Contact the instructor for additional information. Additional required course fee is \$200.

PREREQ: MUST BE ADMITTED TO AN ON-LINE MAJOR

	09/06-12/22	Arranged	Arranged	WEB BASED	John Frye		
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#1742 Section 02 [units: 4] Gen Ed Laboratory (GL) NOTE: This is an entirely web based section taught out of D2L. Contact the instructor for additional information. Additional required course fee is \$200.

	09/06-12/22	Arranged	Arranged	WEB BASED	Jean Kowal		
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GEOGRPY 210 PHYSICAL GEOGRAPHY (GL) ... *A study of selected physical aspects of our geographic environment. Emphasis is given to the origin and characteristic features of topographic, climatic, vegetative and soil regions of the earth and to their interrelationships. The ultimate objective is to provide a foundation upon which to build a better understanding of human interrelationships with the physical environment. Field trips are normally taken.*

COREQ: MATH 141 OR WAIVER

#1737	Section 01	[units: 5]	Gen Ed Laboratory (GL)				
	09/06-12/22	M	09:00 AM - 10:40 AM	UHO160	John Frye		
	09/06-12/22	MTWR	01:00 PM - 01:50 PM	UHO145	Peter Jacobs		
	09/06-12/22	MTWR	01:00 PM - 01:50 PM	UHO145	John Frye		

	<i>Start/End Dates</i>	<i>Meeting Days</i>	<i>Meeting Times</i>	<i>Location</i>	<i>Instructor</i>	<i>Course Topic (if applicable)</i>
#1739	Section 02	[units: 5]	Gen Ed Laboratory (GL)			
	09/06-12/22	T	09:00 AM - 10:40 AM	UH0160	Peter Jacobs	
	09/06-12/22	MTWR	01:00 PM - 01:50 PM	UH0145	Peter Jacobs	
	09/06-12/22	MTWR	01:00 PM - 01:50 PM	UH0145	John Frye	
#1740	Section 03	[units: 5]	Gen Ed Laboratory (GL)			
	09/06-12/22	W	09:00 AM - 10:40 AM	UH0160	John Frye	
	09/06-12/22	MTWR	01:00 PM - 01:50 PM	UH0145	Peter Jacobs	
	09/06-12/22	MTWR	01:00 PM - 01:50 PM	UH0145	John Frye	
#1741	Section 04	[units: 5]	Gen Ed Laboratory (GL)			
	09/06-12/22	R	09:00 AM - 10:40 AM	UH0160	Peter Jacobs	
	09/06-12/22	MTWR	01:00 PM - 01:50 PM	UH0145	Peter Jacobs	
	09/06-12/22	MTWR	01:00 PM - 01:50 PM	UH0145	John Frye	
#4570	Section 05	[units: 5]	Gen Ed Laboratory (GL)			
	09/06-12/22	F	09:00 AM - 10:40 AM	UH0160	John Frye	
	09/06-12/22	MTWR	01:00 PM - 01:50 PM	UH0145	Peter Jacobs	
	09/06-12/22	MTWR	01:00 PM - 01:50 PM	UH0145	John Frye	

GEOGRPY 230 HUMAN GEOGRAPHY (GS) ... A systematic study of human land relationships highlighting the diversity of the elements that make up the cultural landscape in various regions.

#1717	Section 01	[units: 3]	Gen Ed Social Science (GS)			
	09/06-12/22	MW	12:30 PM - 01:45 PM	UH0143	Jonathan Burkham	
#1718	Section 02	[units: 3]	Gen Ed Social Science (GS)			
	09/06-12/22	MW	03:30 PM - 04:45 PM	UH0143	Jonathan Burkham	

GEOGRPY 232 GEOGRAPHY OF RACE AND ETHNICITY IN THE UNITED STATES (DV) (GS) ... The course takes a geographical approach to the study of ethnic and racial groups in the United States. Native American, African American, Hispanic American, and Asian American groups are studied systematically. Major topics include mobility, culture regions, the cultural landscape created by the various ethnic and racial groups, immigration, segregation, and their associated politics.

PREREQ: SOPHOMORE STANDING

#1736	Section 01	[units: 3]	U.S. Racial/Ethnic Diversity (DV)			
	09/06-12/22	TR	11:00 AM - 12:15 PM	UH0143	Jeffrey Zimmerman	

GEOGRPY 252 GLOBAL ENVIRONMENTAL CHALLENGES (GS) ... An introduction to environmental problems and their complexities. Attention is given to alternative solutions to such problems and the implications these alternatives have for the total environment. The course emphasizes the evaluation of the interrelationships between the environmental resource demands of people and the actual resource base of the earth.

#1721	Section 01	[units: 3]	Gen Ed Social Science (GS)			
	09/06-12/22	TR	03:30 PM - 04:45 PM	UH0143	Jonathan Burkham	
#1722	Section 02	[units: 3]	Gen Ed Social Science (GS)			
	09/06-12/22	MW	12:30 PM - 01:45 PM	HH1303	Rocio Duchesne-Onoro	
#1723	Section 03	[units: 3]	Gen Ed Social Science (GS)			
	NOTE: This course will be taught using Desire2Learn. A short while before class, information will be sent to each student's UWW email address. Required additional fee of \$150 will be assessed for this class.					
	09/06-12/22	Arranged		WEB BASED	Jean Kowal	

GEOGRPY 270 GIS I: INTRODUCTION TO GIS AND MAPPING ... An introduction to the quantitative and qualitative mapping techniques applicable to the physical and social sciences. Included are the skills required to create clear, concise and aesthetically pleasing maps, as well as how to derive information from them. Both graphic and cartographic software packages will be utilized to create and evaluate maps. Field trips are normally taken.

#1724	Section 01	[units: 3]	NOTE: Required additional course fee is \$25.			
	09/06-12/22	T	03:30 PM - 04:45 PM	UH0106	Eric Compas	
	09/06-12/22	MW	09:30 AM - 10:45 AM	UH0106	Eric Compas	

GEOGRPY 320 METEOROLOGY AND CLIMATE ... Begins with fundamental relationships among earth, sun and air. Common myths concerning weather phenomena are dispelled through in-depth explanation in everyday language of the physical laws that govern atmospheric functioning. The course terminates with a survey of world climate regions.

PREREQ: GEOGRPY 210 OR CONSENT OF INSTRUCTOR

#1686	Section 01	[units: 3]				
	09/06-12/22	MWF	11:00 AM - 11:50 AM	UH0106	John Frye	

GEOGRPY 323 WATER RESOURCES ... Class will investigate the pathways and processes of water transfer and storage in the many reservoirs on earth, along with the impact of human activities on water quality and fluxes. Detail is given to shallow groundwater monitoring and soil indicators of saturation for wetland delineation, anthropogenic effects on streams, and land use issues related to water quality. Field trips normally taken.

PREREQ: GEOGRPY 210 OR GEOLGY 100 OR GEOLGY 101 OR BIOLOGY 142 OR CONSENT OF INSTRUCTOR

#1730	Section 01	[units: 3]				
	09/06-12/22	TR	09:30 AM - 10:45 AM	UH0150	Dale Splinter	

GEOGRPY 335 GEOGRAPHY OF POPULATION AND MIGRATION (GS) ... This course examines the economic, social, and political processes that contribute to spatial patterns of population and migration throughout the world. Case studies are used to understand contemporary issues of population growth, labor migration, refugee resettlement, immigration policy, and transnational identity.

#1691	Section 01	[units: 3]	Gen Ed Social Science (GS)			
	09/06-12/22	TR	12:30 PM - 01:45 PM	UH0150	Jonathan Burkham	

Start/End Dates Meeting Days Meeting Times Location Instructor Course Topic (if applicable)

GEOGRPY 340 ECONOMIC GEOGRAPHY ... *The study of the spatial organization of economic activities, including patterns of production, exchange and consumption. A broad introduction to locational behavior is presented and applied examples are stressed.*

PREREQ: GEOGRPY 230 OR JUNIOR STANDING OR CONSENT OF INSTRUCTOR

#1692 Section 01 [units: 3]

09/06-12/22 TR 09:30 AM - 10:45 AM UH0106 Jeffrey Olson

GEOGRPY 361 GEOGRAPHY OF SOUTH AND SOUTHEAST ASIA (GS) ... *A study of contemporary and historical interrelationships between the natural environment and the economic, political and cultural activities in South and Southeast Asia. Countries studied include: Pakistan, Bangladesh, Sri Lanka, Burma, Thailand, Vietnam, Laos, Cambodia, Indonesia, and the Philippines.*

PREREQ: GENED 140 OR GEOGRPY 230 OR CONSENT OF INSTRUCTOR

#1731 Section 01 [units: 3] Gen Ed Social Science (GS)

09/06-12/22 TR 02:00 PM - 03:15 PM UH0150 Margo Kleinfeld

GEOGRPY 370 GIS II: SPATIAL DATA AND ANALYSIS ... *The basic principles and operations of geographic information systems (GIS) are presented, including the capture, storage, management, analysis and display of geographic referenced data and their attributes. Laboratory exercises provide extensive hands-on experiences with a number of GIS software packages, including both raster and vector systems. Field trips are normally taken.*

COREQ: GEOGRPY 270 OR CONSENT OF INSTRUCTOR

#1727 Section 01 [units: 3] NOTE: Required additional course fee is \$25.

09/06-12/22 R 03:30 PM - 04:45 PM UH0106 Rocio Duchesne-Onoro

09/06-12/22 TR 02:00 PM - 03:15 PM UH0106 Rocio Duchesne-Onoro

GEOGRPY 377 REMOTE SENSING OF THE ENVIRONMENT ... *An introduction to the images, sensors and techniques used to gather and process data on the Earth and other planets, including aerial photography, electro-optical scanners and radar systems. The course will focus on the fundamentals of utilizing remotely sensed data in studying both natural and human induced processes impacting the Earth's surface. Computer applications will be extensively utilized. Field trips are normally taken.*

PREREQ: GEOGRPY 210 OR CONSENT OF INSTRUCTOR

#1726 Section 01 [units: 3] NOTE: Required additional course fee is \$25.

09/06-12/22 MW 02:00 PM - 03:15 PM UH0106 Rocio Duchesne-Onoro

09/06-12/22 W 03:30 PM - 04:45 PM UH0106 Rocio Duchesne-Onoro

GEOGRPY 423 RIVERS AND FLOODS ... *Streams and rivers are nested into a hierarchy that is organized by landscape characteristics. This course addresses how watersheds and stream processes influence channel form, the linkages among geomorphology and ecology, and flood magnitude and river management. Inferences are made using spatial and temporal scales.*

PREREQ: GEOGRPY 210 OR GEOGRPY 323 OR GEOLGY 101 OR GEOLGY 100

#1700 Section 01 [units: 3]

09/06-12/22 MW 09:30 AM - 10:45 AM UH0150 Dale Splinter

GEOGRPY 440 APPLIED GIS: APPLICATIONS FOR BUSINESS AND INDUSTRY ... *This course will provide the background necessary to apply Geographic Information Systems software to solve applied business problems. The specific educational objectives of this course are: 1) To provide the student with "hands on" problem solving skills emphasizing, site location, target marketing, sales territory development and network routing; 2) To work with the most widely used Business GIS software package, ArcView GIS and its major extensions.*

PREREQ: GEOGRPY 270, GEOGRPY 370 AND GEOGRPY 340 OR CONSENT OF INSTRUCTOR

#1768 Section 01 [units: 3]

09/06-12/22 TR 12:30 PM - 01:45 PM UH0106 Jeffrey Olson

GEOGRPY 444 URBAN LAND USE PLANNING ... *A study of the historical, social and political framework of the urban land planning process with primary emphasis on the United States. Exposure to professional planning approaches and techniques and a critical analysis of plans and planners are stressed. Field trips are normally taken.*

PREREQ: GEOGRPY 344 OR SOCIOLGY 352 OR POLISCI 446 OR ECON 438 OR CONSENT OF INSTRUCTOR

#1763 Section 01 [units: 3]

09/06-12/22 TR 03:30 PM - 04:45 PM UH0150 Jeffrey Zimmerman

GEOGRPY 452 CULTURAL ECOLOGY AND SUSTAINABLE DEVELOPMENT ... *This course will discuss the history of the subdiscipline of cultural ecology within geography and teach about indigenous and traditional societies' knowledge systems from a variety of world cultures. It will use ancient and modern examples of indigenous methods of natural resource management and show how these are being applied internationally to present day environmental problems and to sustainable development approaches.*

PREREQ: GEOGRPY 230 OR GEOGRPY 252 OR CONSENT OF INSTRUCTOR

#1702 Section 01 [units: 3]

09/06-12/22 MW 12:30 PM - 01:45 PM UH0106 Eric Compas

GEOGRPY 455 TOPICS IN HUMAN GEOGRAPHY ... *In-depth examination of a specific issue or theme in human geography. Topics covered will typically focus on emerging national and global issues with a particular emphasis on current research. May be repeated for a maximum of six credit hours (under different subtitles)*

PREREQ: GEOGRPY 230, GEOGRPY 252 OR CONSENT OF INSTRUCTOR

#1703 Section 01 [units: 3]

09/06-12/22 TR 11:00 AM - 12:15 PM UH0150 Margo Kleinfeld

GEOGRAPHIES OF HEALTH

Start/End Dates Meeting Days Meeting Times Location Instructor Course Topic (if applicable)

GEOGRPY 493 INTERNSHIP IN GEOGRAPHY ... Students will be placed in an outside private or governmental agency where they will utilize geographic techniques in approaching practical problems relevant to the agency's mission. An on-campus seminar with fellow interns and the supervisory instructor is required.

#4147	Section 01	[units: 1-3]								Dept. Consent
	09/06-12/22	Arranged	Arranged			Eric Compas				
	S/NC Grading Basis Only									
#4521	Section 02	[units: 1-3]								Dept. Consent
	09/06-12/22	Arranged	Arranged			Peter Jacobs				
	S/NC Grading Basis Only									
#4522	Section 03	[units: 1-3]								Dept. Consent
	09/06-12/22	Arranged	Arranged			Jeffrey Olson				
	S/NC Grading Basis Only									

GEOGRPY 496 SPECIAL STUDIES ... Variable topics. Group activity. Not offered regularly in the curriculum but offered on topics selected on the basis of timeliness, need, and interest, and generally in the format of regularly scheduled Catalog offerings. Repeatable one time for a maximum of 6 credits in major/degree.

#1708	Section 01	[units: 2]								
	PREREQ: GEOGRPY 270									
	09/06-12/22	M		03:30 PM - 05:30 PM	UH0106	Eric Compas			GIS FIELD MAPPING TECH	

GEOGRPY 498 INDEPENDENT STUDY IN GEOGRAPHY ... Study of a selected topic or topics under the direction of a faculty member. Repeatable one time for a maximum of 6 credits in major/degree.

PREREQ: 12 CREDITS IN GEOGRAPHY, 2.75 GPA IN GEOGRAPHY AND CONSENT OF INSTRUCTOR

#1743	Section 01	[units: 1-3]								Dept. Consent
	09/06-12/22	Arranged	Arranged			Eric Compas				
#1744	Section 02	[units: 1-3]								Dept. Consent
	09/06-12/22	Arranged	Arranged			Peter Jacobs				
#1745	Section 03	[units: 1-3]								Dept. Consent
	09/06-12/22	Arranged	Arranged			Jeffrey Olson				
#1746	Section 04	[units: 1-3]								Dept. Consent
	09/06-12/22	Arranged	Arranged			Margo Kleinfeld				
#1747	Section 05	[units: 1-3]								Dept. Consent
	09/06-12/22	Arranged	Arranged			John Frye				
#1748	Section 06	[units: 1-3]								Dept. Consent
	09/06-12/22	Arranged	Arranged			Jonathan Burkham				
#1749	Section 07	[units: 1-3]								Dept. Consent
	09/06-12/22	Arranged	Arranged			Dale Splinter				
#1750	Section 08	[units: 1-3]								Dept. Consent
	09/06-12/22	Arranged	Arranged			Jeffrey Zimmerman				
#1751	Section 09	[units: 1-3]								Dept. Consent
	09/06-12/22	Arranged	Arranged			Rocio Duchesne-Onoro				

GEOGRPY 498R INDEPENDENT STUDY - UNDERGRADUATE RESEARCH ... Study of a selected topic or topics under the direction of a faculty member. Repeatable one time for a maximum of 6 credits in major/degree.

#1752	Section 01	[units: 1-3]								Dept. Consent
	09/06-12/22	Arranged	Arranged			Dale Splinter				
#1753	Section 02	[units: 1-3]								Dept. Consent
	09/06-12/22	Arranged	Arranged			Jonathan Burkham				
#1754	Section 03	[units: 1-3]								Dept. Consent
	09/06-12/22	Arranged	Arranged			Eric Compas				
#1755	Section 04	[units: 1-3]								Dept. Consent
	09/06-12/22	Arranged	Arranged			Rocio Duchesne-Onoro				
#1756	Section 05	[units: 1-3]								Dept. Consent
	09/06-12/22	Arranged	Arranged			John Frye				
#1757	Section 06	[units: 1-3]								Dept. Consent
	09/06-12/22	Arranged	Arranged			Peter Jacobs				
#1758	Section 07	[units: 1-3]								Dept. Consent
	09/06-12/22	Arranged	Arranged			Margo Kleinfeld				
#1759	Section 08	[units: 1-3]								Dept. Consent
	09/06-12/22	Arranged	Arranged			Jeffrey Olson				
#1760	Section 09	[units: 1-3]								Dept. Consent
	09/06-12/22	Arranged	Arranged			Jeffrey Zimmerman				

Start/End Dates

Meeting Days

Meeting Times

Location

Instructor

Course Topic (if applicable)

Geology

GEOLOGY 100 PRINCIPLES OF GEOLOGY (GL) ... An introduction to the concepts which describe the origin and evolution of the earth. Emphasis is on understanding (1) the material make-up of the earth, (2) the internal and external processes which affect the earth, (3) the scientific method as it applies to the study of the earth. One field trip is required. A special fee will be assessed to those students electing to participate on an optional field trip to cover the cost of chartering a bus. Four hours of lectures and two hours of lab each week.

COREQ: MATH 141 OR MATH 140 OR WAIVER

#1642	Section 01	[units: 5]	Gen Ed Laboratory (GL)	NOTE: This is a hybrid course which meets both online and in the classroom.	
09/06-12/22	M		11:00 AM - 12:30 PM	UH0060	Prajukti Bhattacharyya
09/06-12/22	TR		02:00 PM - 03:15 PM	UH0143	Prajukti Bhattacharyya
#1646	Section 02	[units: 5]	Gen Ed Laboratory (GL)	NOTE: This is a hybrid course which meets both online and in the classroom.	
09/06-12/22	T		11:00 AM - 12:30 PM	UH0060	Prajukti Bhattacharyya
09/06-12/22	TR		02:00 PM - 03:15 PM	UH0143	Prajukti Bhattacharyya
#1651	Section 03	[units: 5]	Gen Ed Laboratory (GL)	NOTE: This is a hybrid course which meets both online and in the classroom.	
09/06-12/22	W		11:00 AM - 12:30 PM	UH0060	Prajukti Bhattacharyya
09/06-12/22	TR		02:00 PM - 03:15 PM	UH0143	Prajukti Bhattacharyya

GEOLOGY 204 EARTH AND LIFE HISTORY (GM) ... A study of the changes in the Earth's crust and life through geologic time and the methodology used in reconstructing Earth history, including plate tectonics, organic evolution and stratigraphy. A special fee will be assessed to cover transportation costs for those students selecting to participate on an optional field trip.

COREQ: MATH 141 OR MATH 140 OR WAIVER

#1645	Section 01	[units: 3]	Gen Ed Math/Natural Sciences (GM)		
09/06-12/22	MWF		01:00 PM - 01:50 PM	UH0140	Rex Hanger

GEOLOGY 300 PRINCIPLES OF OCEANOGRAPHY (GM) ... A study of the physical, chemical, geological and biological aspects of the major water masses of the world and human dependency on these water masses. One field trip to observe shoreline processes is required. A special fee will be assessed to students electing to participate in an optional field trip to cover the transportation costs.

COREQ: MATH 141 OR MATH 140 OR WAIVER

#1648	Section 01	[units: 3]	Gen Ed Math/Natural Sciences (GM)		
09/06-12/22	MW		09:30 AM - 10:45 AM	UH0063	Rex Hanger

GEOLOGY 301 ENVIRONMENTAL GEOLOGY (GM) ... A study of geological phenomena such as earthquakes, volcanism, mass movements, river processes, coastal processes etc. and their impacts on society and environment. Special emphasis will be placed on examining remedial measures against geological hazards and how human actions influence natural geological processes. Three lecture hours per week.

#1656	Section 01	[units: 3]	Gen Ed Math/Natural Sciences (GM)		
09/06-12/22	TR		09:30 AM - 10:45 AM	UH0143	Rex Hanger

GEOLOGY 310 ROCKS AND MINERALS ... This course will study the formation processes of common rocks and minerals, their physical properties and their various uses will be covered in detail. Rock and mineral identification techniques will be especially emphasized during the laboratory sessions. Students will be expected to devote significant amounts of time towards the lab assignments.

PREREQ: GEOLOGY 100 OR GEOLOGY 101

#1653	Section 01	[units: 4]			
09/06-12/22	MW		03:30 PM - 04:45 PM	UH0060	Prajukti Bhattacharyya
09/06-12/22	MW		02:00 PM - 03:15 PM	UH0060	Prajukti Bhattacharyya

GEOLOGY 492 FIELD STUDIES IN GEOLOGY ... Field studies of classic geologic regions. Emphasis will be placed on training in the basic techniques and methods of field studies, recognition and interpretation of geologic structures, and the use of field observations to develop both geologic understanding of the region studied and geologic reasoning ability. Students will be responsible for the cost of the university van rental and other trip expenses. Repeatable 3 times in the major and degree, up to 9 credits total.

COREQ: GEOLOGY 100 OR CONSENT OF INSTRUCTOR

#1663	Section 01	[units: 1-3]	NOTE: Destination: Nebraska and Kansas Paleozoic trip Fee: \$400 Dates: 10/9-10/13	Dept. Consent		
09/06-12/22	M		06:00 PM - 08:50 PM	UH0063	Rex Hanger	Nebraska and Kansas Paleozoic

GEOLOGY 493 INTERNSHIP IN GEOLOGY ... Students will be placed in an outside private or governmental agency where they will utilize geographic techniques in approaching practical problems relevant to the agency's mission. An on-campus seminar with fellow interns and the supervisory instructor is required.

#4519	Section 01	[units: 1-3]		Dept. Consent
09/06-12/22	Arranged	Arranged		Rex Hanger
	S/NC Grading Basis Only			
#4520	Section 02	[units: 1-3]		Dept. Consent
09/06-12/22	Arranged	Arranged		Prajukti Bhattacharyya
	S/NC Grading Basis Only			

GEOLOGY 498 INDEPENDENT STUDY ... Study of a selected topic or topics under the direction of a faculty member. Repeatable.

PREREQ: EIGHT CREDITS IN GEOLOGY OR CONSENT OF INSTRUCTOR AND PROGRAM COORDINATOR

#1643	Section 01	[units: 1-3]		Dept. Consent
09/06-12/22	Arranged	Arranged		Rex Hanger
#1644	Section 02	[units: 1-3]		Dept. Consent
09/06-12/22	Arranged	Arranged		Prajukti Bhattacharyya

<i>Start/End Dates</i>	<i>Meeting Days</i>	<i>Meeting Times</i>	<i>Location</i>	<i>Instructor</i>	<i>Course Topic (if applicable)</i>
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GEOLOGY 498R INDEPENDENT STUDY - UNDERGRADUATE RESEARCH ... Study of a selected topic or topics under the direction of a faculty member.**Repeatable**

#1649	Section 01	[units: 1-3]				Dept. Consent
09/06-12/22	Arranged	Arranged		Rex Hanger		
#1650	Section 02	[units: 1-3]				Dept. Consent
09/06-12/22	Arranged	Arranged		Prajukti Bhattacharyya		

GEOLOGY 499 GEOLOGY THESIS ... Individual research for major writing a thesis under direct supervision of a member of the faculty. Available only for senior students.**PREREQ: SENIOR STATUS**

#1664	Section 01	[units: 2-3]				
09/06-12/22	Arranged	Arranged		Rex Hanger		
#1665	Section 02	[units: 2-3]				
09/06-12/22	Arranged	Arranged		Prajukti Bhattacharyya		