

Subject	Nbr	Section	Class Title & Description – FALL 2020	Days	Time Start	Time End	Instructor
GEOG	100	D	World Geography and Globalization <i>Are you interested in the dynamics of global business and world cultures? Or, understanding the causes of social unrest and the impact of environmental change? This is the class for you. This course helps you understand the process of globalization and how it impacts world cultures, places, current events, and the economy. World Geography and Globalization brings the beauty, complexity, and wonder of world cultures and places to you. A must if you dream about traveling internationally, or simply aspire to make a living in an increasingly connected world.</i>	TU/TH	11:30 AM	12:45 PM	Joslin, Audrey
GEOG	100	B	World Geography and Globalization <i>The world is becoming more and more integrated, interconnected and interdependent. Our life is inevitably affected by events taking place in distant places such as the Mideast and China. It is therefore imperative to understand other cultures and peoples. World Geography & Globalization will introduce you to the world's major realms, regions, countries and places, including their physical environments, natural resources, culture, population, ethnicity, economy, and even political systems. It will help you understand what lies behind the changes and conflicts we are witnessing in the world daily. With the knowledge and insights you will gain from the course, you will look at what is taking place around the world and in our lives very differently and learn to untangle the many complicated world issues of today and tomorrow.</i>	TU/TH	9:30 AM	10:45 AM	Lu, Max
GEOG	100	C	World Geography and Globalization <i>The world is becoming more and more integrated, interconnected and interdependent. Our life is inevitably affected by events taking place in distant places such as the Mideast and China. It is therefore imperative to understand other cultures and peoples. World Geography & Globalization will introduce you to the world's major realms, regions, countries and places, including their physical environments, natural resources, culture, population, ethnicity, economy, and even political systems. It will help you understand what lies behind the changes and conflicts we are witnessing in the world daily. With the knowledge and insights you will gain from the course, you will look at what is taking place around the world and in our lives very differently and learn to untangle the many complicated world issues of today and tomorrow.</i>	TU/TH	1:05 PM	2:20 PM	Lu, Max

GEOG	100	A	World Geography and Globalization	MWF	10:30 AM	11:20 AM	Smith, Jeffrey
			<i>Are you interested in the dynamics of global business and world cultures? Or, understanding the causes of social unrest and the impact of environmental change? This is the class for you. This course helps you understand the process of globalization and how it impacts world cultures, places, current events, and the economy. World Geography and Globalization brings the beauty, complexity, and wonder of world cultures and places to you. A must if you dream about traveling internationally, or simply aspire to make a living in an increasingly connected world.</i>				
GEOG	121	A	Introduction to Physical Geography: Earth Systems Sciences	MWF	11:30 AM	12:20 PM	McLauchlan, Kendra
			<i>We will introduce you to the science of Earth Systems, focusing on the four realms of Earth: the atmosphere, the hydrosphere, the lithosphere, and the biosphere. We will cover global climate patterns and local weather patterns, how mountains are built and how rivers, glaciers, and wind turn mountains into soil, how biomes and ecosystems interact with biogeochemical cycles, and how climate change and human actions are altering our planet.</i>				
GEOG	121	B	Introduction to Physical Geography: Earth Systems Sciences	MWF	9:30 AM	10:20 PM	Martin, Chuck
			<i>We will introduce you to the science of Earth Systems, focusing on the four realms of Earth: the atmosphere, the hydrosphere, the lithosphere, and the biosphere. We will cover global climate patterns and local weather patterns, how mountains are built and how rivers, glaciers, and wind turn mountains into soil, how biomes and ecosystems interact with biogeochemical cycles, and how climate change and human actions are altering our planet.</i>				
GEOG	121	C	Introduction to Physical Geography: Earth Systems Sciences	TU/TH	9:30 AM	10:45 AM	Langston, Abigail
			<i>We will introduce you to the science of Earth Systems, focusing on the four realms of Earth: the atmosphere, the hydrosphere, the lithosphere, and the biosphere. We will cover global climate patterns and local weather patterns, how mountains are built and how rivers, glaciers, and wind turn mountains into soil, how biomes and ecosystems interact with biogeochemical cycles, and how climate change and human actions are altering our planet.</i>				

GEOG	200	A	Human Geography	MWF	10:30 AM	11:20 AM	Smirnova, Vera
			<i>This course will provide you with a general introduction to human geography. More specifically, Human Geography will lead you into the geographic way of thinking about concepts and issues. We will study patterns and processes of human activity from a geographic perspective and learn basic concepts that affect our lives every day. The course is designed for all student interested in the in learn how to appreciate the pace of change that the world is facing today.</i>				
GEOG	200	B	Human Geography	TU/TH	9:30 AM	10:45 AM	Paul, Bimal
			<i>This course will provide you with a general introduction to human geography. More specifically, Human Geography will lead you into the geographic way of thinking about concepts and issues. We will study patterns and processes of human activity from a geographic perspective and learn basic concepts that affect our lives every day. The course is designed for all student interested in the in learn how to appreciate the pace of change that the world is facing today.</i>				
GEOG	302	A	Cartography and Thematic Mapping	MW	1:30 PM	2:20 PM	Avocat, Helene
			<i>From official documents to social media, maps are everywhere, and a good map is worth a thousand words! They are powerful tools to describe phenomena that take place on our territories, and cover a vast amount of topics (environment, health, economy, demography and so on). But have you ever wondered how maps were made or questioned the reliability of maps that you see in your everyday life? In this class you will learn how to manipulate data and use GIS (Geographic Information System) software to create your own maps, with respect to the cartographic design standards.</i>				
GEOG	310	A	Geography of Kansas	MWF	1:30 PM	2:20 PM	Martin, Chuck
			<i>Curious about Kansas? Why is it so bitterly cold in the winter and so blazing hot in the summer? How come western Kansas is so flat, but eastern Kansas is rather hilly? Why is it smoky in the Manhattan area for several weeks each spring? What was the role of Kansas in the fight over slavery in pre-Civil War America? What brought various ethnic groups to the state and what sign of their presence is visible still today? This course explores these questions and more as we examine the physical and human environment of Kansas, explore the long and rich historical geography of the central Great Plains, and consider the challenges and prospects that</i>				

			<i>the state faces today in areas such as population geography, water resources, health geography, and more. A must for anyone, native Kansan or not, who wants to learn about the "Sunflower State's" unique and fascinating geography.</i>				
GEOG	508	A	Geographic Information Systems 1	TU/TH	9:30 AM	10:45 AM	Nelson, Katherine
			<i>Spatial analysis allows us to systematically study the relationships between these aspects of our lives and the locations in which they take place. GIS (Geographic Information Systems) is the primary tool used to perform spatial analysis. This course is designed to provide basic competency in spatial research design, GIS data management and visualization, spatial analytical techniques, and visualization of results. We will explore current GIS applications and spatial analysis concepts. The primary focus of the course, however, is on development of practical GIS technical skills and their application to problem solving.</i>				
GEOG	602	A	Computer Mapping and Geographic Visualization	TU/TH	1:05 PM	2:20 PM	Hutchinson, Shawn
			<i>Graphicacy is recognized as a fundamental form of education equal in importance to literacy, numeracy, and articulation. This course expands upon a foundation of cartography, thematic mapping, and geographic information systems (GIS) by working with the tools and techniques of exploratory spatial data analysis (ESDA) and geographic visualization. Topics include basic web page design, univariate and multivariate ESDA, interactive and animated maps, 3D digital landscape construction, and programming-centric solutions to graph construction.</i>				
GEOG	608	A	Geographic Information Systems II	TU/TH	10:30 AM	12:20 PM	Temme, Arnaud
			<i>Did you love GIS1, or merely like it a lot? In both cases, GIS2 offers you a more comprehensive taste of skills GIS professionals are expected to have in today's job market or in graduate programs. Three topics that we will be mainly concerned with are geodatabases, Modelbuilder to automate and archive workflows, and spatial analysis and statistics. The class takes a clear 'science' approach to GIS by additionally exposing you to scientific literature in a sub-field of your own choice.</i>				
GEOG	700	A	Quantitative Methods in Geography	TU/TH	11:30 AM	12:45 PM	Paul, Bimal
			<i>The primary objective of this course is to help students understanding the purpose, meaning, and appropriate use of both spatial and non-spatial statistics in geographical and social science research, and become familiar with the basics to selected univariate, bivariate, and multivariate analysis.</i>				

GEOG	722/822	A	Geographies of International Conservation	W	8:30 AM	11:20 AM	Joslin, Audrey
			<i>Are you concerned about endangered species and global biodiversity loss? Are you curious to know more about international efforts to protect endangered species and their habitats? The world has various economic, political and cultural contexts in which conservation takes place that complicate one-size-fits-all approaches. Poverty, Climate Change, War, and other problems furthermore affect landscapes. We'll delve into these issues and more!</i>				
GEOG	728	A	Programming for Geographic Analysis	W	11:30 AM	2:20 PM	Hutchinson, Shawn
			<i>Python is a general-purpose interpreted, interactive, object-oriented and high-level programming language with broad applications in the sciences. As with other open-source software packages such as "R", an understanding of Python is helpful – if not essential – in accomplishing your work or research goals. Python is tightly integrated with Esri's desktop GIS applications which allows analysts to make GIS processing easier, faster, and more accurate by automating data management, manipulation, and analysis procedures.</i>				
GEOG	740	A	Fluvial Geomorphology	TU/TH	2:30 PM	3:45 PM	Langston, Abigail
			<i>The study of how rivers shape the surface of the earth. The class begins with understanding the fundamentals of fluid flow mechanics in a stream, followed by the physical principles of sediment transport in moving water. We will then build upon these two fundamental concepts and observe fluvial environments, identify the dominant processes at work, and hypothesize how river form and function change in response external forcing.</i>				
GEOG	742/842	A	Digital Geomorphology	F	8:30 AM	11:20 AM	Temme, Arnaud
			<i>Can we tell the age of a landscape just by looking at digital elevation datasets? Can we predict where rivers will cut back into bedrock and capture other rivers' drainage areas? Can we quantify positions of waterfalls and learn about uplift history? You will find out in this class, which has two main objectives. First, learning effective ways to analyze huge, modern datasets of digital elevation using R and ArcGIS Modelbuilder, and second, learning about geomorphic theories that can be tested and operationalized with such datasets. Skills will be useful in other GIS-related classes or in geomorphology-related graduate studies.</i>				

GEOG	790	B	Geography of Place: American West	W	2:30 PM	5:20 PM	Smith, Jeffrey
			<i>This 700-level seminar is designed to explore selected topics that focus on understanding the concept of "place" from a geographic perspective. It is intended to provide junior, senior, and graduate students the opportunity to more fully appreciate various geographical patterns of place and develop and/or advance their research interests. Perspectives grounded in human/cultural geography of the American West provide a point of departure and underscore the course readings and discussions, however students with diverse interests and scholarly backgrounds (e.g. anthropology, history, landscape architecture) will benefit from the wide-ranging topics addressed.</i>				
GEOG	821	A	Research & Professional Development in Geography	TU/TH	11:30 AM	12:45 PM	Nelson, Katherine
			<i>This course will introduce beginning Master's students to geographic research approaches, design, implementation and reporting. Emphasis will be placed on the research proposal development process, thesis conceptualization and structuring, and the academic writing and publication process. The course will also cover programmatic expectations of graduate students and professional development, including time management, working and communicating with advisors, and building a curriculum vitae/resume. Students will work with the instructor on a research project and will develop the foundation for their thesis proposal.</i>				