GEOG 502. Digital Techniques for Remote Sensing. 3 Credits.
Study of the theory and application of remote sensing, emphasizing environmental applications and aerial and satellite imagery. Covers the fundamentals of multispectral digital image processing, including sensors pre-processing, enhancement, classification, accuracy assessment, and GIS data integration.

GEOG 505. Seminar in International Resource Management. 3 Credits.
Discussion of the ecological and management principles underlying international resource management and the goal of attaining a sustainable, ecologically balanced world.

GEOG 508. Cartography. 3 Credits.
Computer-assisted methods and techniques employed in the design, construction, and use of maps and other graphics as tools for data analysis and communication.

GEOG 510. Seminar in Urban Geography. 3 Credits.
Discussion of specific urban and metropolitan problems based on outside readings and individually selected research topics.

GEOG 511. Urban and Regional Planning. 3 Credits.
A study of planning concepts and powers used to guide contemporary metropolitan growth and development. Emphasis is on the application of social science principles and methods to the planning process.

GEOG 512. Cities of the World. 3 Credits.
An examination of cities of the world’s major cultural realms with an emphasis on the urban landscape as it varies between developed and developing countries.

GEOG 519. Spatial Analysis of Coastal Environments. 3 Credits.
The course integrates remotely sensed and field techniques for scientific investigation and practical management of coastal environmental systems. Spatial modeling of coastal processes and management tools using Geographic Information System (GIS). Prerequisites: GEOG 504.

GEOG 520. Marine Geography. 3 Credits.
An analysis of human-sea relationships with particular emphasis on resource management and political organization from global, regional, and national perspectives.

GEOG 522. Coastal Geography. 3 Credits.
An examination of the physical and human geography of the coastal zone. Considers problems of managing coastal resources in the context of future trends in human population growth and development. Emphasis is on the application of social science principles and methods to the planning process.

GEOG 525. Internet Geographic Information Systems. 3 Credits.
Theoretical and practical exploration of methods, standards, and policies related to the development and utilization of geographic information systems on the Internet. Students will learn to use distributed geospatial data and analytical systems using the WWW and the Internet to address geographical problems. Prerequisites: GEOG 502.

GEOG 532. Advanced GIS. 3 Credits.
The study of a series of advanced topics in the field of geographic information systems/science. Focus is placed on the development of projects/models and a survey of several advanced techniques. Students will work on a computer based GIS to implement topics from lectures. Prerequisites: GEOG 502.

GEOG 551. Europe. 3 Credits.
A geographical analysis of the interrelationships among physical, cultural, economic, and political factors in Europe.

GEOG 552. Africa. 3 Credits.
A geographical analysis of the interrelationships among physical, cultural, economic, and political factors in Africa.

GEOG 553. Asia. 3 Credits.
A geographical analysis of the interrelationships among physical, cultural, economic, and political factors in Asia excluding the Middle East and the former USSR.
GEOG 554. Latin America. 3 Credits.
A geographical analysis of the interrelationships among physical, cultural, economic, and political factors in Latin America.

GEOG 555. The Middle East. 3 Credits.
A geographical analysis of the interrelationships among physical, cultural, economic, and political factors in the Middle East.

GEOG 556. Geography of Southeast Asia. 3 Credits.
Analysis of the physical, historical, cultural, economic, environmental, and political patterns and problems of Southeast Asia. The focus is on the diversity of the region and on the nature and impact of development.

GEOG 558. Geography of Virginia. 3 Credits.
An analysis of Virginia’s population, resources, and regional landscapes as they have been influenced by physical, cultural, historical, and economic factors.

GEOG 590. Applied Cartography/GIS. 1-3 Credits.
Practical experience in applying the principles of cartography and geographical information systems to the design and construction of maps and other graphics.

GEOG 595. Topics in Geography. 1-4 Credits.
The advanced study of selected topics which, due to their specialized nature, may not be offered regularly. These courses will appear in the course schedule, and will be more fully described in information distributed to academic advisors.

GEOG 596. Topics in Geography. 1-4 Credits.
The advanced study of selected topics which, due to their specialized nature, may not be offered regularly. These courses will appear in the course schedule, and will be more fully described in information distributed to academic advisors.

GEOG 597. Independent Research in Geography. 1-3 Credits.
Independent reading and study on a topic to be selected under the direction of the instructor. Conferences and papers as appropriate.

GEOG 598. Tutorial Work in Geography. 1-3 Credits.
Independent research under the supervision of a faculty member.

GEOG 620. Seminar in Political Geography. 3 Credits.
A study of the interrelationships of political and geographic phenomena, and theories of geopolitics; examines in a seminar format the political geography both of specific topics such as the national integration of states, refugees and resources, and of particular regions of the world.

GEOG 625. Ethno-Regionalism. 3 Credits.
An examination of the geopolitics of world ethnic minorities with special reference to selected “trouble spots” on the world political map.

GEOG 626. Lifespan Communication, Geography, and Food. 3 Credits.
This course examines the intersections of communication, geography, and food from lifespan and global perspectives. Topics to be covered include communication and cooking; dinner table talk; food and folk culture; ritual; the portrayal of food in media (e.g., film, television, CMC, print); the role of race, class, and gender in food production/consumption; the commercialization of food; fast food and slow food; globalization vs. the ‘locavore’ movement; visualization and symbolic communication about food and nutrition; and market and supermarket geographies.

GEOG 650. Seminar in Regional Geography. 1-3 Credits.
Advanced seminar on a particular country or world region.

GEOG 668. Internship. 1-6 Credits.
Individualized practical experience.

GEOG 695. Selected Topics in Geography. 1-3 Credits.
Advanced study of selected topics designed to permit small groups of qualified students to work on subjects of mutual interest.

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Advanced study of selected topics designed to permit small groups of qualified students to work on subjects of mutual interest.

GEOG 697. Independent Research in Geography. 1-3 Credits.
Independent research in geography under the supervision of a faculty member.

GEOG 720. Cultural Geography Seminar. 3 Credits.
This seminar examines the field of cultural geography with: 1) an emphasis on theories and concepts developed over the past twenty years in ‘new’ cultural geography, and 2) cultural geography’s emphasis on issues such as place, power, landscape and identity.
POL 539. International Relations of African States. 3 Credits.
This course aims to expose students to an examination of the workings of international politics from the viewpoint of Africans and African states. International relations have tended to look at the world from the viewpoint of its most powerful states. Yet, most the world’s states - notably in Africa - are weak but have great potential global impact.

POL 542. Twentieth Century Dictatorships. 3 Credits.
A study of the Fascist, Nazi, Stalin and Mao regimes and the forces that brought them to power and sustained them, including a study of the impact of their policies on their people and neighboring states.

POL 555. The Politics of Climate Change. 3 Credits.
An examination of the science of climate change and how United States political actors have responded to this global environmental challenge.

POL 566. Politics of the Middle East. 3 Credits.
An analysis of the political processes throughout the region and in selected nations of the Middle East. Topics to be discussed include inter-Arab relations, the Arab-Israeli conflict, the Iran-Iraq rivalry and foreign power involvement in the Middle East.

POL 595. Topics in Political Science. 1-3 Credits.
The advanced study of selected topics which, due to their specialized nature, may not be offered regularly.

POL 596. Topics in Political Science. 1-3 Credits.
The advanced study of selected topics which, due to their specialized nature, may not be offered regularly.

POL 597. Independent Research in Political Science. 1-3 Credits.
Independent research in political science under the supervision of a faculty member.

POL 602. Seminar in American Foreign Policy. 3 Credits.
The formulation and conduct of U.S. foreign policy under changing domestic and external circumstances. Models of decision making; interrelationships of economic, political, and military factors; major trends in contemporary American foreign policy making.

POL 623. Foreign Policy Analysis. 3 Credits.
Comparative study of foreign policy behavior. Internal and external factors in formation and implementation of foreign policy. Examination and application of foreign policy models.

POL 624. National Security Policy. 3 Credits.
Examines U.S. national security policy, strategy and the use of force, the formulation and execution of policy, the international dimension of national security, and contemporary issues in national security.

POL 626. Seminar in Politics of Russia and the Soviet Successor States. 3 Credits.
Power and authority in Russia and the other successor states of the former Soviet Union. Although focusing on Russia, the course embraces the contemporary internal politics of the states in the space between Germany and Japan/China including Central Asia and the Caucasus. Emphasizes research methodology and strategies.

POL 631. Seminar in Chinese Politics. 3 Credits.
An advanced survey and research on contemporary Chinese politics, political and economic reforms; intellectuals and politics; China's experience of socialist revolution and economic construction; and foreign policy.

POL 650. Interdependence, Power and Transnationalism. 3 Credits.
This course covers the fundamental concepts, ideas, and approaches to the study of interdependence and transnationalism. It seeks to expose students to the nature, role, and impact of economic, technological, strategic, and cultural interdependence. Cases of interdependence and transnationalism are explored in the post-Cold War era. Some focus is placed on how interdependence and transnationalism are impacting the power of the state. Prerequisites: Permission of director or instructor.

POL 665. International Political Economy. 3 Credits.
Analysis of the forces shaping national and transnational economic institutions and their policies on a range of contemporary issues, including North-South relations.

POL 695. Selected Topics in Political Science. 1-3 Credits.
The advanced study of selected topics which, due to their specialized nature, may not be offered regularly.

POL 696. Selected Topics in Political Science. 1-3 Credits.
The advanced study of selected topics which, due to their specialized nature, may not be offered regularly.

POL 697. Independent Research in Political Science. 1-3 Credits.
Independent research in political science under the supervision of a faculty member.