

# Optional Courses for Credit

## Geography Course for JROTC

The lessons identified below include a combination of Army and Air Force (AF) JROTC Geography lessons. These can be offered in a variety of ways including:

1. Any lesson or combination of lessons can be offered as content enhancement to core curriculum or as elective contact hours for JROTC elective credit
2. As a 2-part Geography course for credit with chapters on map reading and use (Army) and world affairs, regional studies, and cultural awareness (Air Force)

The Army and AF JROTC lesson outcomes have been linked to the [National Geography Standards K-12](#) in support of a 'case for credit' in Geography. Access the *AF JROTC and Army JROTC to National Geography Standards Crosswalks* from the Course Credits folder in Curriculum Manager Global Resources.

There are 163 contact hours of lesson plan material presented in the outline below; this includes class time for didactic learning and assessment, and lab time for additional skill practice, group work, and project-based learning. Air Force lab time includes:

\*optional engagement activities provided with each lesson and

\*\*project-based learning assignments at the end of each chapter. Lab times are approximate and can be adjusted to meet the requirements and demands of your state/classroom rigor.

### Part 1: Army JROTC Geography

Lesson	Competency	Objectives	Class Hours	Rec Lab Hours
U5C4L1: Introduction to Maps	Demonstrate basic map reading skills	<ul style="list-style-type: none"><li>• Compare the features of a globe to those of a map</li><li>• Compare properties and purposes of road, topographic, and thematic maps</li><li>• Describe applications of the Global Positioning System</li><li>• Determine locations based on map features</li><li>• Communicate directions to a location</li><li>• Identify general direction traveled on Interstate Highway System</li><li>• Orient a map without using a compass</li></ul>	2	3

		<ul style="list-style-type: none"> <li>Estimate distance with and without a map</li> <li>Define key words: bar scale, elevation, GPS, latitude, legend, longitude, marginal information, orient, terrain, thematic map, topographic map, USGS</li> </ul>		
U5C4L2: Using Topographic Maps	Determine location and elevation using a topographic map	<ul style="list-style-type: none"> <li>Differentiate between elevation and relief</li> <li>Calculate elevation on a topographic map</li> <li>Recognize terrain features on a topographic map</li> <li>Identify marginal information on a topographic map</li> <li>Define key words: concave, concentric, contour interval, contour line, convex, depression, draw, mean sea level, relief, saddle, spur</li> </ul>	2	
U5C4L3: Grid Reference System	Use a grid reference system to find locations	<ul style="list-style-type: none"> <li>Describe how latitude and longitude are used in the global coordinate system</li> <li>Locate grid zones and grid segments using the UTM and MGRS grid reference systems</li> <li>Determine the six-digit MGRS coordinates of a known location on a map</li> <li>Use the six-digit MGRS coordinates to locate a point on a map</li> <li>Use a coordinate scale tool to determine MGRS locations</li> <li>Define key words: antemeridian, eastern hemisphere, eastings, grid coordinate, meridians, MGRS, northings, parallels, prime meridian, UTM, western hemisphere</li> </ul>	2	
U5C4L4: Determining Direction	Determine direction with angle measurement tools and field expedient methods	<ul style="list-style-type: none"> <li>Define the three base directions found on a topographic map</li> <li>Describe the key features of a compass</li> <li>Demonstrate how to determine and measure a magnetic azimuth</li> <li>Demonstrate how to determine, measure, and plot a grid azimuth</li> <li>Calculate a back azimuth</li> <li>Explain how to determine direction using field-expedient methods</li> <li>Define key words: azimuth, back azimuth, field-expedient, grid azimuth, grid north, magnetic azimuth, magnetic north, Polaris, true north</li> </ul>	2	

U5C4L5: The Grid-Magnetic Angle	Use the grid-magnetic angle to accurately measure direction	<ul style="list-style-type: none"> <li>• Explain why it is necessary to convert magnetic azimuths to grid azimuths</li> <li>• Calculate a grid azimuth from a magnetic azimuth</li> <li>• Calculate a magnetic azimuth from a grid azimuth</li> </ul>	1	
		<ul style="list-style-type: none"> <li>• Define key words: agonic line, declination diagram, gridmagnetic angle</li> </ul>		
U5C4L6: Determining Location	Apply map reading and land navigation skills to determine location	<ul style="list-style-type: none"> <li>• Determine how to locate and read an eight-digit coordinate on a grid map</li> <li>• Describe the procedure for locating an unknown point on a topographic map by intersection</li> <li>• Describe the procedure for locating unknown position on a topographic map by resection</li> <li>• Identify procedures for locating or plotting an unknown point on a topographic map using polar coordinates</li> <li>• Define key words: intersection, polar coordinates, resection</li> </ul>	2	
U5C4L7: Orienteering	Apply map-reading skills to orienteering	<ul style="list-style-type: none"> <li>• Differentiate between six types of orienteering courses</li> <li>• Explain the five-step process to determine direction of travel</li> <li>• Demonstrate five movement techniques used in orienteering</li> <li>• Identify the control areas and safety aspects used in orienteering</li> <li>• Define key words: aiming off, attack point, control points, orienteering, steering mark</li> </ul>	3	
<b>Total Army JROTC Lessons: 7 lessons</b>		<b>Total Part 1 Contact Hours:</b>	<b>14</b>	<b>3</b>

**Part 2 Air Force JROTC: Cultural Studies – An Introduction to Global Awareness**

CSA-C0-L1: Introduction--What is Global Awareness?		<ul style="list-style-type: none"> <li>Comprehend how global cultures and interactions impact relationships between different cultural groups</li> <li>Know the significance of global economics, trade, and markets</li> <li>Introduction: What is Global Awareness?</li> <li>Know how the effects of global growth raise environmental concerns over natural resources</li> <li>Comprehend how ethics, religion, poverty, wealth, and views of human rights influence people</li> <li>Know how changes in technology and education influence the competition for jobs</li> </ul>	2	
CSA-C1-L1: The Middle East--An Introduction	Explore key issues about the global economy, culture, environment, and human rights	<ul style="list-style-type: none"> <li>Know why the Middle East is viewed as a cradle of civilization</li> <li>Know the characteristics of Judaism, Christianity, and Islam</li> <li>Know about changes in the Middle East during the 20th Century</li> <li>Know the different groups of people who live in the Middle East</li> </ul>	2	2*
CSA-C1-L2: The Arab-Israeli Conflict	Summarize the historical and modern roots of the Arab-Israeli conflict	<ul style="list-style-type: none"> <li>Know what historical events contributed to the founding of modern Israel</li> <li>Know about the historical events associated with the Six-Day</li> </ul>	2	2*

		<p>War of 1967</p> <ul style="list-style-type: none"> <li>Comprehend how the Yom Kippur War of 1973 affected Arab-Israeli relations</li> <li>Know the various attempts at lasting peace in the Middle East</li> </ul>		
CSA-C1-L3: The Persian Gulf Wars	Describe the causes of conflict in the Persian Gulf from the 1980s to present times	<ul style="list-style-type: none"> <li>Know the historical situation of Iraq under the rule of Saddam Hussein</li> <li>Know the historical events associated with the 1991 Persian Gulf War</li> <li>Know the events surrounding the 2003 US invasion of Iraq</li> <li>Know the US attempts to stabilize Iraq since the 2003 invasion</li> </ul>	2	2*
CSA-C1-L4: Islamic Fundamentalism and Terrorism	Explain the sources and effects of radical Islamic terrorism	<ul style="list-style-type: none"> <li>Know the general impact of terrorism in the world</li> <li>Know how radical Islamist beliefs contribute to terrorism</li> <li>Know the events associated with the 9-11 attacks and the Global War on Terror</li> </ul>	2	2*

CSA-C1-L5: US Interests and Regional Issues in the Middle East	Explain how US involvement in the Middle East relates to natural resources, nuclear nonproliferation and political alliances	<ul style="list-style-type: none"> <li>• Know the importance of the production and distribution of oil and energy.</li> <li>• Comprehend how the clash of Middle Eastern and Western cultures affects relationships between people from Middle Eastern and people from Western cultures.</li> <li>• Know the importance of nuclear nonproliferation and the Iranian Issue for the United States.</li> <li>• Know the importance of the water problem in the Middle East.</li> </ul>	2	2* 4**
CSA-C2-L1: Asia -- An Introduction	Describe the geography, religions, and ethnic groups of Asia	<ul style="list-style-type: none"> <li>• Know the geographic locations of Japan, Korea, China, India, Pakistan, and Afghanistan</li> <li>• Know the major religions of Asia</li> <li>• Know the main ethnic groups of Asia</li> </ul>	2	2*
CSA-C2-L2: Japan, Korea, and China	Review the history and economic development of Japan, Korea, and China	<ul style="list-style-type: none"> <li>• Know the history of the unitary government and the rule of the warlords in China</li> <li>• Know what caused the shift from isolation to openness in Japan</li> <li>• Know the impact of domination and division on Korea</li> <li>• Know the political and economic impact of World War II on China and Japan</li> <li>• Know that Japan, South Korea, and China have become economic powerhouses</li> </ul>	2	2*
CSA-C2-L3: India, Pakistan and Afghanistan	Describe the history of political, ethnic and religious strife in India, Pakistan, and Afghanistan	<ul style="list-style-type: none"> <li>• Know the pre-colonial history of the Mughals in the Indian subcontinent</li> <li>• Know the encounter with Europe and the colonial period in the region</li> </ul>	2	2*

		<ul style="list-style-type: none"> <li>• Know the history of the struggle for independence in South Asia</li> <li>• Know what caused the partition and war between India and Pakistan</li> <li>• Know how Muslim-Hindu strife affects the politics and economics of South Asia</li> <li>• Know which groups have struggled for control in Afghanistan and why</li> </ul>		
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CSA-C2-L4: Environmental and Social Issues in Asia	Identify the impacts of industrialization, population, economic inequality, and human trafficking in Asia	<ul style="list-style-type: none"> <li>• Know the impacts of industrialization and pollution in China and India</li> <li>• Know the interactions between the rich, urban, and the poor rural areas in Asia</li> <li>• Know the role of women in India, Pakistan, and Afghanistan</li> <li>• Know China’s one-child policy</li> <li>• Comprehend the challenges of human trafficking and sex tourism in Asia</li> </ul>	2	2*
CSA-C2-L5: US Interests and Regional Issues in Asia	Explain how US interests in Asia relate to economics and geopolitical tensions	<ul style="list-style-type: none"> <li>• Comprehend the dilemma that North Korea creates for the US</li> <li>• Know the important issues of nuclear nonproliferation in India and Pakistan</li> <li>• Comprehend the impacts of global wages, labor, outsourcing, and offshoring in the US</li> <li>• Know why Asia represents a new target market for US corporations</li> <li>• Know the effects of Asian imports on the US market and economy</li> <li>• Comprehend the human rights issues in various Asian nations</li> </ul>	2	2* 4**
CSA-C3-L1: Africa: An Introduction	Describe the geography, natural resources and ethnic groups of Africa	<ul style="list-style-type: none"> <li>• Know the five major regions of Africa</li> <li>• Know the natural resources of Africa</li> <li>• Know the distinctive characteristics of African culture</li> <li>• Know the main ethno-linguistic groups in Africa</li> <li>• Know the main language groups in Africa</li> <li>• Comprehend how Islam, Christianity, and indigenous religions influence Africa</li> </ul>	2	2*
CSA-C3-L2: The Shadow of Western Colonialism	Explain how the history of colonialism in Africa impacts the continent today	<ul style="list-style-type: none"> <li>• Know the precolonial period of African history</li> <li>• Know the colonial period of African history</li> <li>• Know the history and impacts of African independence</li> </ul>	2	2*
CSA-C3-L3: Dictators, Leadership Challenges, and Ethnic Clashes	Review ethnic and cultural conflicts in Africa’s recent history	<ul style="list-style-type: none"> <li>• Comprehend how ethnic and sectarian politics undermined democracy in Africa</li> <li>• Comprehend the tensions between Arabs and Africans in</li> </ul>	2	2*

		<p>Sudan</p> <ul style="list-style-type: none"> <li>• Comprehend the tensions between Hutus and Tutsis in Rwanda</li> </ul>		
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CSA-C3-L4: AIDS, Health, Poverty, and Human Rights	Describe the key health, economic and environmental challenges on the African continent	<ul style="list-style-type: none"> <li>• Know the main health challenges in Africa</li> <li>• Know the extent and impact of AIDS in Africa</li> <li>• Know the recurring problems with famine in Africa</li> <li>• Know the main environmental issues facing Africa</li> <li>• Know the human rights issues in Africa</li> </ul>	2	2*
CSA-C3-L5: US Interests and Regional Issues in Africa	Summarize US economic and political interests in Africa	<ul style="list-style-type: none"> <li>• Know the challenges of resources and commerce in the regions of Africa</li> <li>• Know the immigration trends associated with Africa</li> <li>• Comprehend the challenges associated with pirating and lawlessness in Somalia</li> <li>• Comprehend the US and European development efforts in Africa</li> </ul>	2	2* 4**
CSA-C4-L1: Russia and the Former Soviet Republics: An Introduction	Describe the history, geography, and cultures of Russia and the former Soviet republics	<ul style="list-style-type: none"> <li>• Know the geographic locations of Russia and the countries of the former Soviet Republics</li> <li>• Know the major religious groups of Russia and the former Soviet Republics</li> <li>• Know the historical context of Russia from the Kievan Rus through the time of Peter the Great</li> <li>• Know how events from the Nineteenth Century and World War I contributed to the October Revolution</li> <li>• Know the economic and political impacts of World War II and the Cold War on Russia</li> <li>• Know the effects of the fall of communism</li> </ul>	2	2*
CSA-C4-L2: Economic Restructuring: Communism and Capitalism	Explain the rise and fall of communism in the Soviet republics	<ul style="list-style-type: none"> <li>• Know the characteristics of communism as an economic system</li> <li>• Know the economic and political influence of Marx, Lenin, and Stalin on communism in Russia</li> <li>• Know how the Soviet economic system worked and eventually failed</li> <li>• Know the importance of the export of resources for the restructured Russian economic system</li> </ul>	2	2*

CSA-C4-L3: Russia and the Republics	Review the economic and diplomatic relationships between Russia and the former Soviet republics	<ul style="list-style-type: none"> <li>• Know the political and economic influence of Russia on the Ukraine, Belarus, and Moldova</li> <li>• Know the political and economic influence of Russia on the Baltic States</li> <li>• Know the political and economic influence of Russia on Armenia, Georgia, and Azerbaijan</li> <li>• Know the political and economic influence of Russia on Kazakhstan, Kyrgyzstan, Uzbekistan, Tajikistan, and Turkmenistan</li> </ul>	2	2*
CSA-C4-L4: Russia and World Relationships	Summarize Russia’s historic and military relationships with other nations	<ul style="list-style-type: none"> <li>• Comprehend the historic relationship between Russia and the United Nations</li> <li>• Comprehend the historic relationships between Russia and neighboring European nations</li> <li>• Comprehend the historic relationships between Russia and China, Japan, and Korea</li> <li>• Comprehend the historic relationship between Russia and the United States</li> </ul>	2	2*
CSA-C4-L5: US Interests and Regional Issues in Russia and the Former Soviet Republics	Summarize US interests and tensions with Russia and the former Soviet republics	<ul style="list-style-type: none"> <li>• Know the impact of the restructured Russian economic system on worldwide democracy</li> <li>• Know the Russia-US challenges of nuclear threats, nonproliferation, and missile defense</li> <li>• Know the impacts on the United States caused by Russian oil production and distribution</li> <li>• Know the importance of the cooperation in space between Russia and the United States</li> </ul>	2	2* 4**
CSA-C5-L1: Latin America--An Introduction	Identify the geography, religions, languages, and key historical events in Latin America	<ul style="list-style-type: none"> <li>• Know the geographic locations of the five major regions of Latin America</li> <li>• Know the major religious groups and languages of Latin America</li> <li>• Know the region’s history before and after the European conquest</li> <li>• Know some key historical events associated with Latin America since independence</li> </ul>	2	2*



CSA-C5-L2: Economic Reform, Leadership, and the Political Pendulum	Describe the key economic and political challenges facing Latin America	<ul style="list-style-type: none"> <li>• Know the challenges of the region’s economic systems</li> <li>• Know the challenges related to the political struggle for power</li> <li>• Comprehend how weak governments, corruption, and crime affect economic development</li> <li>• Know about the struggle for power between church and state</li> <li>• Know how free trade agreements have affected the region</li> </ul>	2	2*
CSA-C5-L3: Cartels and the Growing Drug Trade	Explain how the drug trade affects Latin American governments, economies, and relations with other nations	<ul style="list-style-type: none"> <li>• Know the key factors that drive and sustain the drug trade</li> <li>• Know how the drug trade undermines local governments and damages economies</li> <li>• Know how the US and local governments have tried to cut off the drug trade</li> </ul>	2	2*
CSA-C5-L4: Poverty, Educational Limitations, and Environmental Challenges	Identify the sources of poverty, pollution, and socioeconomic divisions in Latin America	<ul style="list-style-type: none"> <li>• Know how reliance on commodities versus manufactured goods impacts poverty</li> <li>• Comprehend the impact of racial and socioeconomic divisions in Latin America</li> <li>• Know how poor education, urban overcrowding, and high population growth contribute to poverty</li> <li>• Know the challenges of environmental pollution and deforestation</li> </ul>	2	2*
CSA-C5-L5: US Interests and Regional Issues in Latin America	Summarize the historical, political and economic impact of US interests in Latin America	<ul style="list-style-type: none"> <li>• Know the history of US relations with Cuba</li> <li>• Know the history of US relations with Haiti</li> <li>• Know the challenges of migration from Latin America to the United States</li> <li>• Know the effects on the US of the political and economic challenges in Latin America</li> </ul>	2	2* 4**
CSA-C6-L1: Europe: An Introduction	Explain the impact of ancient history, religion, nationalism, and socialism on Europe	<ul style="list-style-type: none"> <li>• Know the geographic locations of the major nations of Europe on a map</li> <li>• Know how Ancient Greece and the Roman Empire influenced Europe’s development</li> <li>• Know how Christianity, Islam, and Judaism affected the development of Europe</li> <li>• Know how nationalism destroyed the continental European empires</li> <li>• Know how Marxism, socialism, and fascism affected the development of Europe</li> </ul>	2	2*

CSA-C6-L2: The European Union	Describe the formation and functions of the European Union	<ul style="list-style-type: none"> <li>• Know the origins of the European Union</li> <li>• Know which countries are members of the European Union</li> <li>• Know the political and economic structure of the European Union</li> <li>• Know the importance of the Euro as a world currency</li> </ul>	2	2*
CSA-C6-L3: Immigration, Terrorist Cells, and Ethnic Strife	Explain the challenges facing Europe on immigration, ethnic tensions and radical terrorists	<ul style="list-style-type: none"> <li>• Know why European countries have permitted immigration</li> <li>• Know why immigrants have had difficulty assimilating into European societies</li> <li>• Know the difficulties Al Qaeda and its allies have posed for Europe</li> </ul>	2	2*
		<ul style="list-style-type: none"> <li>• Know the background of ethnic and religious strife in Northern Ireland</li> </ul>		
CSA-C6-L4: The Creation and Collapse of Yugoslavia	Review the creation and dissolution of Yugoslavia	<ul style="list-style-type: none"> <li>• Know how Yugoslavia was created after World War I</li> <li>• Know how World War II affected Yugoslavia</li> <li>• Know the role of Josip Broz Tito in uniting Yugoslavia after World War II</li> <li>• Know how Yugoslavia dissolved into seven independent countries</li> <li>• Know the history of ethnic cleansing in the Balkans</li> </ul>	2	2*
CSA-C6-L5: US Interests and Regional Issues in Europe	Summarize US interests in Europe's security and economy	<ul style="list-style-type: none"> <li>• Know why the United States intervened in the two world wars and fought the Cold War</li> <li>• Know the historic purpose and current activities of North Atlantic Treaty Organization (NATO)</li> <li>• Comprehend the importance to the US economy of trade with Europe</li> <li>• Comprehend the development of human rights and democracy in Eastern Europe following the Soviet Union's collapse</li> </ul>	2	2* 4**
<b>Total AF JROTC Lessons: 31</b>		<b>Total AF JROTC Contact Hours:</b>	<b>62</b>	<b>84</b>
		<b>Total Geography Course Contact Hours (AF and Army)</b>	<b>76</b>	<b>87</b>