

GEOGRAPHY TRANSFER ASSURANCE GUIDE (TAG)

December 1, 2017

Ohio Transfer Module:		
Ohio Transfer Module (OTM) Requirements: 36-40 semester hours. Students should select courses within the OTM that complement the selected major and meet any specific general education requirements. Students are encouraged to complete the OTM to ensure maximum transferability and application of credits.		
Required Disciplines	Minimum Required Hours	Recommended Courses
Area I. English Composition	3 Semester Hours	Western or World Civilization Sequence (OHS009) Microeconomics (OSS004), Introduction to Sociology (OSS021)
Area II. Mathematics	3 Semester Hours	
Area III. Arts & Humanities	6 Semester Hours	
Area IV. Social Sciences	6 Semester Hours	
Area V. Natural & Physical Science	6 Semester Hours	
Additional courses beyond the minimum required hours, from any of the disciplines listed above, will count toward the completion of the OTM (36-40 semester hours).		

Foreign Language - Demonstrate competencies through the 200 level. Credits: Up to 16 semester hours.

Major Courses – Hours/Courses listed below that count toward the major or pre-major requirements

OSS006 – Physical Geography	Credits: 3-5 Semester Hours
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Advising Notes:

OSS007 – Human Geography or Cultural Geography	Credits: 3 Semester Hours
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Advising Notes:

OSS008 – World Regional Geography	Credits: 3 Semester Hours
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Advising Notes:

OSS026 – Map Communication and Analysis	Credits: 3 Semester Hours
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Advising Notes:

OSS051 – Introduction to Geographic Information Systems	Credits: 3-4 Semester Hours
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Advising Notes:

Transfer Assurance Guides Total Guaranteed Credits (Range)

Ohio Transfer Module (OTM)	36 – 40 Semester Hours
Foreign Language	0 – 16 Semester Hours
Pre-major/Major	0 – 15 to 18 Semester Hours

Institutional Requirements: For entrance and graduation, a transfer student must meet all institutional requirements which would include, but may not be limited to: minimum grade point average, residency requirements, upper division credits attained, minimum grades in specific courses, performance requirements (ex. dance, music) and other requirements of native students from the same institution.

OSS006 – Physical Geography
3-5 Semester Hours

Related TAG: Geography

General Course Description: This course serves as an introduction to the basic concepts and processes associated with the study of physical geography. Students will become familiar with the primary elements associated with physical geography to include the Earth's global energy balance, atmospheric and oceanic circulation, weather systems and climates, plate tectonics, landform formation and classification, weathering and erosion processes, soil formation, and global environment change. Students should also be able to use maps/geo-technologies to explain geographic phenomena and patterns.

Statewide Learning Outcomes:

1. Understand Earth-Sun relationships and their connection to latitude and longitude.
2. Understand the processors responsible for the evolution of surface landscapes.
3. Identify the general weather patterns that exist around the globe and understand the processes associated with these patterns.
4. Identify general climate zones and soil profiles.
5. Explain how variations in climate relate to global distributions of plants and animals.
6. Identify glacial, fluvial, coastal landscapes, and the processes associated with them.
7. Identify components associated with weather and atmospheric processes such as cloud types, precipitation, pressure, and wind.
8. Understand global environmental change and factors responsible for it.
9. Use maps/geo-technologies to explain geographic phenomena and patterns.

Note: A minimum of 70% of the Student Learning Outcomes must be met.

OSS007 – Human or Cultural Geography
3 Semester Hours

Related TAG: Geography

General Course Description: This course serves as an introduction to the study of human or cultural phenomena from a geographic perspective. Students will become familiar with the basic elements associated with human or cultural geography to include: the interface among human settlement, the environment, and economic systems; geographic patterns and processes associated with language, religion, and ethnicity; geographic patterns and processes associated with demographics and migration; political patterns and processes; geographic distribution of resources and economic activity; globalization and the impact on cultural/social, economic, and spatial relationships at various scales; how geographers approach the study of human and cultural activities; geographic patterns of urbanization; and impact of human behavior on landscapes. Students should be able to use maps/geo-technologies to explain geographic themes and patterns.

Statewide Learning Outcomes:

1. Understand the interface among human settlement, the environment, and economic systems.
2. Understand the concept of culture and the geographic patterns and processes associated with cultural traits such as language, religion, and ethnicity.
3. Understand geographic patterns of population and demographic characteristics such as fertility, mortality, and migration.
4. Understand the relationships between political patterns and processes and cultural characteristics at various scales.
5. Understand processes associated with geographic distribution of resources used and economic activities.
6. Understand the concept of globalization and the impact on cultural/social, economic, and spatial relationships at various scales.
7. Understand how geographers approach the study of human and cultural activities.
8. Understand how patterns associated with urbanization vary in different settings.
9. Understand the impact of human behavior on the landscape in different settings.
10. Use maps/geo-technologies to explain geographic themes and patterns.

Note: A minimum of 70% of the Student Learning Outcomes must be met.

OSS008 – World Regional Geography
3 Semester Hours

General Course Description: This course serves as an introduction to the study of regional geography at the global scale. Students will become familiar with and understand the use of maps/geo-technologies to explain geographic phenomena and patterns as they relate to world regions and their interrelationships, apply geographic concepts to the study of regions or a specific region, compare and contrast human and physical patterns and their variations over space, develop an appreciation of the complexities of regional and global environmental and socio-economic problems, understand globalization and place local issues in their global and historical context, and to understand human-environment interactions in various regions around the world.

Related TAG: Geography

Statewide Learning Outcomes:

1. Understand the use of maps/geo-technologies to explain geographic phenomena and patterns as they relate to world regions and their interrelationships.
2. Apply geographic concepts to the study of regions or a specific region.
3. Be able to compare and contrast human and physical patterns and their variations over space.
4. Develop an appreciation of the complexities of regional and global environmental and socio-economic problems.
5. Understand the concept of globalization and be able to place local issues in their global and historical context.
6. Understand human-environment interactions in various regions around the world.

Note: A minimum of 70% of the Student Learning Outcomes must be met.

OSS026 – Map Communications & Analysis
3 Semester Hours

General Course Description: This course serves as an introduction to the basic concepts and themes associated with map communications and analysis. Students will become familiar with the concepts of map projections and the uses and limitations of general projection categories; be able to identify types of maps and appropriate ways in which they can be used; understand the value, limitations, and appropriate use of different types of thematic maps; understand the ways in which different types of geographic information are represented on maps; be able to interpret geographic patterns from different types of maps; understand the elements of a map, including symbolization and scale, and demonstrate the appropriate use of map elements; be able to use maps to measure distance, compute area, and analyze spatial patterns; be able to categorize geographic data at appropriate cartographic levels; and be able to construct maps to demonstrate mapping principles.

Related TAG: Geography

Statewide Learning Outcomes:

1. Understand the concept of map projections and the uses and limitations of general projection categories.
2. Be able to identify types of maps and appropriate ways in which they can be used.
3. Understand the value, limitations, and appropriate use of different types of thematic maps.
4. Understand the ways in which different types of geographic information are represented on maps.
5. Be able to interpret geographic patterns from different types of maps.
6. Understand the elements of a map, including symbolization and scale, and demonstrate the appropriate use of map elements.
7. Be able to use maps to measure distance, compute area, and analyze spatial patterns.
8. Be able to categorize geographic data at appropriate cartographic levels.
9. Be able to construct maps to demonstrate mapping principles.

Note: A minimum of 70% of the Student Learning Outcomes must be met.

OSS051 – Introduction to Geographic Information Systems
3-4 Semester Hours

Related TAG: Geography

General Course Description: This course introduces the theory and applications of Geographic Information Systems (GIS). Students will be able to explain the components of a GIS, including advantages and limitations; recognize and apply appropriate coordinate systems and projections; and produce effective maps using sound cartographic principles. Furthermore, the demonstrated ability to acquire, create, and/or manage spatial data for visualizing, summarizing, and analyzing problems will provide the insight necessary to recognize the vast array of real-world applications of GIS.

Statewide Learning Outcomes:

All of the learning outcomes marked with an asterisk (*) are essential and must be met.

Explain the components, context and aspects of a Geographic Information System (GIS), including advantages and limitations.*

1. Recognize map projections and coordinate systems and apply them appropriately to spatial data.*
2. Demonstrate knowledge of how reality is represented and transformed in spatial datasets.*
3. Demonstrate the ability to acquire, create, update and/or manage spatial data from disparate sources.*
4. Demonstrate the basic ability to visualize, summarize, analyze and interpret spatial data.*
5. Demonstrate an understanding of basic cartographic principles through designing and producing effective maps.
6. Recognize real-world applications of a Geographic Information System (GIS).*

**OHS009 (or OHS041 and OHS042) – Western/World Civilization
6-8 Semester Hours**

Related TAGs: History

Student Learning Outcomes marked with an asterisk (*) are considered essential and must be covered:

1. Apply critical thinking as to analyze primary and secondary sources (i.e. historical analysis of text).
2. Explain the cause, effect and relevance of specific historical events and/or periods within the broader historical context.
3. Understands and articulate diverse historical interpretations.
4. Clearly demonstrate the ability to understand and apply basic historical concepts, methodologies, and approaches.
5. Articulate historical arguments in a variety of forms of communication.

OSS004 – Principles of Microeconomics
3 Semester Hours

Related TAGs: Business, Economics, Geography

Student Learning Outcomes marked with an asterisk (*) are considered essential and must be covered:

1. Understand how economics is a social science that draws conclusions based on hypotheses, theories, and data in order to understand human behavior
2. Understand basic microeconomics terms and concepts, including scarcity and choice, equilibrium, efficiency and equity, positive and normative economics, comparative advantage, and specialization.*
3. Understand the fundamental economic question of allocating scarce resources*
4. Comprehend the concepts of opportunity cost and the production possibility frontier*
5. Comprehend supply and demand, the function of prices in markets, and how markets work and sometimes don't work, for example market failure and externalities*
6. Comprehend the effects of government intervention in markets*
7. Comprehend how consumers make choices *
8. Comprehend production theory*
9. Comprehend the costs of production*
10. Comprehend firm behavior in competitive markets*
11. Comprehend firm behavior in imperfect markets*
12. Comprehend elasticity and its application
13. Comprehend how the markets for resources operate and the determination of wage rates, interest, and rent
14. Understand the determination of income distribution, including poverty and discrimination
15. Comprehend the determinants of international trade flows
16. Apply economic reasoning to better understand and critically evaluate real world circumstances and events

OSS021 Introduction to Sociology
3 Semester Hours

Related TAGs: Geography, Sociology

General Course Description: Introduction to the theoretical foundations and methods used to gather, interpret, and evaluate data in sociology. Insight into how society is organized by focusing on the structure and function of social institutions, the impact of culture and socialization on individuals and groups, and systems of stratification among various racial and ethnic, social class, gender and sexuality groups.

A minimum of 70% of the Student Learning Outcomes must be met including the essential learning outcomes marked with an asterisk (*).

Students should be able to demonstrate an understanding of:

1. The sociological perspective, the theoretical foundations (Functionalism, Conflict, and Symbolic Interactionism), and the contributions of major theorists to the development of these perspectives.*
2. The ways in which sociologists gather, interpret, and evaluate data, including both quantitative and qualitative methodologies.*
3. The impact of culture and socialization on shaping human behavior and world view.*
4. The elements of social structure and the organization of society.*
5. The major theories of crime, deviance, and systems of social control.
6. Systems of stratification in the United States and globally, including racial stratification, social class, sexuality and gender stratification.*
7. The major social institutions, such as marriage and the family, religion, politics, the economy, health care, and/or education.
8. Additional topics such as population, urbanization, the environment, aging, war/terrorism, and major theories of social change.

**GEOGRAPHY TAG: INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS TAG COURSE
FACULTY PARTICIPANTS
August-November 2017**

Name	Institution
Annie Parsons (Writing Panel Co-Lead)	Columbus State Community College
Brian Mikelbank (Writing Panel Co-Lead)	Cleveland State University
Eric Neubauer (Review Panel Lead)	Columbus State Community College
Peter Gorsevski	Bowling Green State University
Adam Parrillo	Clark State Community College
Jennifer Mapes	Kent State University
Bobby Oliver	Lakeland Community College
Robbyn Abbitt	Miami University
L. Scott Deaner	Owens Community College
Shanda Yaeger	Stark State College
Ningchuan Xiao	The Ohio State University
Shanon Donnelly	The University of Akron

**GEOGRAPHY TAG
FACULTY PARTICIPANTS
February-December 2016**

Name	Institution
Eric Neubauer (Lead)	Columbus State Community College
Yu Zhou	Bowling Green State University
Brian Mikelbank	Cleveland State University
Mark Guizlo	Lakeland Community College
Mo Khani	Sinclair College
Kevin Czajkowski	The University of Toledo
Richard Beck	University of Cincinnati