

eCore Course-Level Outcomes: Fall 2013

Course-level outcomes relevant to each General Core area are mapped below, along with the recommended assessment.

AREA A.1

General Outcomes

1. Ability to assimilate, analyze, and present in oral and written forms, a body of information (CT)
2. Ability to adapt communication to circumstances and audience
3. Ability to produce communication that is stylistically appropriate and mature
4. Ability to communicate in standard English for academic and professional contexts
5. Ability to compose effective written materials for various academic and professional contexts (CT)
6. Ability to interpret content of written materials on related topics from various disciplines

ENGL 1101

Course-Specific Outcome	General Core Outcome	Assessments	Exceeded Expectations	Met Expectations	Below Expectations
Write a narrative essay. (CT)	A1.1	Essay (Assignment 1.9)	51.77%	39.72%	8.51%
Plan writing in light of situation, audience, and purpose.	A1.2	Essay (Assignment 3.9)	47.97%	46.34%	5.69%
When writing an essay, employ a format and structure appropriate to the rhetorical situation.	A1.3	Essay (Assignment 4.6 or 6.12)	45.45%	42.73%	11.82%
Write clear and complete sentences using standard English and grammar.	A1.4	Assignment 1.2 or 4.2	66.41%	22.66%	10.93%

ENGL 1102

Course-Specific Outcome	General Core Outcome	Assessments	Exceeded Expectations	Met Expectations	Below Expectations
Write well-developed and logically organized essay. (CT)	A1.1	Essay (Unit 2, 3, or 4)	31.22%	57.67%	11.11%
Demonstrate critical thinking skills in reading and writing assignments. (CT)	A1.3	Discussion 2.3, Portfolio Exercise 4, or Writing Assignment 4	61.76%	27.65%	10.59%
Plan and conduct a research project using a variety of research sources.	A1.5	Portfolio Research Paper	39.77%	47.37%	12.86%
Using the writing process to understand different texts.	A1.6	Writing Assignment - Unit 2 or Essay Unit 4	36.96%	58.15%	4.89%

AREA A.2

General Outcomes

1. Ability to model situations from a variety of settings in generalized mathematical forms
2. Ability to express and manipulate mathematical information, concepts, and thoughts in verbal, numeric, graphical, and symbolic form while solving a variety of problems
3. Ability to solve multiple-step problems through different (inductive, deductive and symbolic) modes of reasoning
4. Ability to shift among the verbal, numeric, graphical, and symbolic modes of considering relationships
5. Ability to extract quantitative data from a given situation, translate the data into information in various modes, evaluate the information, abstract essential information, make logical deductions, and arrive at reasonable conclusions

MATH 1101

Course-Specific Outcome	General Core Outcome	Assessments	Exceeded Expectations	Met Expectations	Below Expectations
Understand the concept and basic properties of functions; linear functions; quadratic functions; polynomial functions; logarithmic functions; and piecewise functions.	A2.1, A2.2	Final Exam	34.15%	26.83%	39.02%

MATH 1111

Course-Specific Outcome	General Core Outcome	Assessments	Exceeded Expectations	Met Expectations	Below Expectations
Model situations from a variety of settings in generalized mathematical forms.	A2.1	Midterm, Final Exam	37.88%	27.27%	34.85%
Express and manipulate mathematical information, concepts, and thoughts in verbal/numeric/graphical/symbolic form while solving a variety of problems.	A2.2	Midterm, Final Exam	27.59%	36.55%	35.86%
Solve multiple-step problems through different (inductive, deductive, and symbolic) modes of reasoning.	A2.3	Midterm, Final Exam	45.71%	22.86%	31.43%
Shift among the verbal, numeric, graphical, and symbolic modes of considering relationships.	A2.4	Midterm, Quiz 10.1, Final Exam	41.91%	30.15%	27.94%
Extract quantitative data from a given situation, translate the data into information in various modes, evaluate the information, abstract essential information, make logical deductions, and arrive at reasonable conclusions. (CT)	A2.5	Midterm, Quiz 15.5, Final Exam	43.48%	30.43%	26.09%

Learning Outcomes

MATH 1113

Course-Specific Outcome	General Core Outcome	Assessments	Exceeded Expectations	Met Expectations	Below Expectations
Identify the characteristics of various functions.	A2.1	Midterm	48.08%	17.31%	34.61%
Sketch and analyze the graphs of algebraic, trigonometric, exponential, logarithmic, and inverse trigonometric functions.	A2.2	Midterm, Final Exam	45.10%	21.57%	33.33%
Set up and solve word problems using algebraic, trigonometric, exponential, logarithmic, and inverse trigonometric functions.	A2.3	Midterm, Final Exam	44.55%	22.77%	32.68%
Solve equations using algebraic, trigonometric, exponential, logarithmic, and inverse trigonometric functions.	A2.4	Midterm, Quiz 9.1	46.08%	18.63%	35.29%

MATH 1501

Course-Specific Outcome	General Core Outcome	Assessments	Exceeded Expectations	Met Expectations	Below Expectations
Limits and Continuity: Calculate and evaluate limits and represent these concepts graphically, algebraically, numerically, and in words. Apply knowledge of limits and continuity to analyze and solve real-world problems. Determine when the use of technology is appropriate in solving problems related to limits and continuity, and how to apply the technology.	A2.2	Exam 1	41.38%	34.48%	24.14%

Derivatives and Differential on: Explain the definition of derivative and how it is related to tangent lines and rates of change, and to compute derivatives from the limit definition. Compute derivatives using all of the standard rules, displaying in particular a strong mastery of the Chain Rule. Compute derivatives of trigonometric functions and compute closely related trigonometric limits. Explain the concept of an implicitly defined function, and use the technique of implicit differential on to differentiate functions that are defined implicitly. Model and solve related rates problems.

A2.3	Exam 2	18.37%	24.49%	57.14%
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Applications of the Derivative: Solve problems related to rates of change. Identify and describe properties of functions and their graphs. Apply the properties of functions and their graphs to real life problem situations.

A2.4	Exam 3	25.58%	48.84%	25.58%
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AREA B

General Outcomes

1. Ability to properly use appropriate technology in the evaluation, analysis, and synthesis of information in problem-solving situations
2. Ability to communicate in various modes and media, including proper use of the appropriate technology
3. Ability to sustain a consistent purpose and point of view
4. Ability to interpret inferences and develop subtleties of symbolic and indirect discourse

COMM 1100

Course-Specific Outcome	General Core Outcome	Assessments	Exceeded Expectations	Met Expectations	Below Expectations
Observe and utilize the recommended strategies for developing, delivering, and evaluating effective public presentations. (CT)	B3	Public Speech	44.12%	36.76%	19.12%
Describe the different ways in which language defines and frames situations.	B4	Film Analysis	56.16%	34.25%	9.59%
Analyze the fundamental dimensions of cultural diversity (demographic, regional, and ideological) as they relate to communication.	B4	Unit 3	69.86%	19.18%	10.96%

ETEC 1101

Course-Specific Outcome	General Core Outcome	Assessments	Exceeded Expectations	Met Expectations	Below Expectations
Select appropriate technologies and methods to compile, analyze, organize, and present relevant information effectively.	B1	Lesson 4 Project	81.25%	12.50%	6.25%
Become effective users of technology.	B2	PowerPoint presentation of their Ideal Job	78.95%	15.79%	5.26%

AREA C

General Outcomes

1. Ability to recognize the fine, literary, and performing arts as expressions of human experience
2. Ability to make informed judgments about art forms from various cultures including one's own culture
3. Ability to discern the impact and role of artistic and literary achievement in society and one's personal life

ENGL 2111

Course-Specific Outcome	General Core Outcome	Assessments	Exceeded Expectations	Met Expectations	Below Expectations
Recognize the range of literary genres and conventions as well as the levels of sophistication of literary masterpieces coming from different cultures.	C2	Final Essay	47.46%	43.22%	9.32%
Develop a perspective on the variety of world cultures from ancient times through the early-modern period to understand how these cultures developed and how their ideas contributed to and still inform contemporary culture(s).	C1	Writing Assignment 1	30.07%	65.03%	4.90%
Analyze and evaluate literary works in their social, historical, and cultural context. (CT)	C3	Unit 4 Discussion, Unit 5 Discussion	54.55%	39.16%	6.29%
Compare and contrast the characteristics of literary works emerging from various cultures and times in order to recognize common human values and beliefs.	C2	Unit 6 Discussion, Unit 7 Discussion	63.83%	32.62%	3.55%

ENGL 2132

Course-Specific Outcome	General Core Outcome	Assessments	Exceeded Expectations	Met Expectations	Below Expectations
Demonstrate knowledge of a diversity of American cultures through the study of literature. (CT)	C2, C3	Unit 1 Discussion, Unit 7 Discussion	73.77%	18.03%	8.20%
Identify the important literary periods and themes of American Literature from the mid-19th Century to the present.	C1	Unit 1 Exam, Final Exam	30.07%	65.03%	4.90%

Learning Outcomes

PHIL 2010

Course-Specific Outcome	General Core Outcome	Assessments	Exceeded Expectations	Met Expectations	Below Expectations
Explain and evaluate major arguments concerning freedom and determinism. (CT)	C4	Unit 5 Discussion	52.45%	30.07%	17.48%
Explain, evaluate and apply major ethical theories.	C4	Unit 6 Discussion	45.52%	36.57%	17.91%

SPAN 2001

Course-Specific Outcome	General Core Outcome	Assessments	Exceeded Expectations	Met Expectations	Below Expectations
Students should demonstrate an understanding of their languages and cultures in relation to the practices, products, and perspectives of the culture(s) of Spanish speaking countries. (CT)	C4	Discussion 2C, Lesson 5 Project, Voice Board 4A	46.97%	19.70%	33.33%

SPAN 2002

Course-Specific Outcome	General Core Outcome	Assessments	Exceeded Expectations	Met Expectations	Below Expectations
Students should demonstrate an understanding of their languages and cultures in relation to the practices, products, and perspectives of the culture(s) of Spanish speaking countries. (CT)	C4	Final Exam, Project, Voice Board 6C	44.68%	48.94%	6.38%

AREA D

General Outcomes

1. Ability to understand basic scientific principles, theories, and laws as they apply to all scientific disciplines
2. Ability to demonstrate knowledge in at least one area of science; ability to discern the role in and impact of science on society
3. Ability to identify and properly use appropriate technologies for scientific inquiry and communication including collecting and analyzing scientific data
4. Ability to understand the physical universe and science's relationship to it
5. Ability to understand the changing nature of science
6. Ability to understand the scope and limits on the appropriateness of scientific inquiry to physical phenomena.
7. Ability to demonstrate critical observation and analysis
8. Ability to apply mathematical principles to scientific inquiry, including the use of statistics and formulae to understand quantitative data
9. Ability to employ quantitative reasoning appropriately while applying scientific methodology to explore nature and the universe
10. Ability to discern the impact of quantitative reasoning and mathematics on the sciences, society, and one's personal life

CHEM 1211					
Course-Specific Outcome	General Core Outcome	Assessments	Exceeded Expectations	Met Expectations	Below Expectations
Demonstrate knowledge and understanding of: matter and measurement; reactions and reaction stoichiometry; thermochemistry; properties of gases; periodic properties of elements; atomic structure, chemical bonding, and molecular bonding theories.	D1, D2, D4, D5, D6	Final Exam, Unit 2 Quiz	30.23%	58.14%	11.63%
Employ critical thinking and systematic methods to solve problems, including conceptual and quantitative problems.	D9, D10	Laboratory Final, Unit 3 Quiz	64.10%	28.21%	7.69%
Collect and analyze scientific data, formulate appropriate conclusions from data analyses, and communicate findings.	D3, D7	Laboratory Final	84.62%	0.00%	15.38%

Learning Outcomes

CHEM 1212					
Course-Specific Outcome	General Core Outcome	Assessments	Exceeded Expectations	Met Expectations	Below Expectations
Demonstrate knowledge and understanding of: intermolecular forces, liquids, and solids; properties of solutions; chemical kinetics; chemical equilibrium; acid-base equilibria; chemical thermodynamics; electrochemistry.	D1, D2, D4, D5, D6	Final Exam, Unit 4 Quiz	30.43%	47.83%	21.74%
Employ critical thinking and systematic methods to solve problems, including conceptual and quantitative problems.	D9, D10	Laboratory Final, Unit 8 Quiz	29.17%	33.33%	37.50%
Collect and analyze scientific data, formulate appropriate conclusions from data analyses, and communicate findings. (CT)	D3, D8	Laboratory Final	90.48%	9.52%	0.00%

ENVS 2202					
Course-Specific Outcome	General Core Outcome	Assessments	Exceeded Expectations	Met Expectations	Below Expectations
Describe integrated science and the basic concepts involved in the study of the subject.	D1, D2	Lesson 2B Ecosystems Interactions Quiz	72.06%	20.59%	7.35%
Describe various ecosystem components.	D4, D5	Lesson 2A Everglades Discussion	65.52%	25.86%	8.62%
Discuss human population by calculating human population growth and identifying the impact of such growth on the environment.	D8, D9	Lesson 3B Discussion (Population Growth Issues)	45.90%	52.46%	1.64%
Explain the balance between the implementation costs of environmental regulations and their impact on mankind.	D10	Lesson 10 Quiz Environmental Regulations	80.30%	10.61%	9.09%
Interpret environmental issues affecting the earth and its populations, including water use, food production, and urban development. (CT)	D7	Lesson 6 Discussion Water Wars, Final Exam	72.58%	22.58%	4.84%

GEOL 1011

Course-Specific Outcome	General Core Outcome	Assessments	Exceeded Expectations	Met Expectations	Below Expectations
Identify earth materials and discuss/interpret their origin, economic uses, composition and interrelationships.	D1	Unit 6 Lab, Unit 7 Lab	24.27%	55.34%	20.39%
Demonstrate knowledge of the perspective of geologic events and processes and the formation of earth materials; discuss evidence of plate tectonics and the earth's internal structure and how processes within the earth influence its major surface features, control the location of the earth's major surface features, and control the location of earthquakes and volcanic activity.	D4, D5	Unit 8, Midterm	45.30%	31.62%	23.08%
Demonstrate knowledge of Earth surface processes and their impact on mankind.	D2	Unit 12, Midterm	35.14%	45.05%	19.81%
Use maps, photos, and diagrams to identify topographic and geologic structures and the processes which form them. (CT)	D3, D6, D7, D8	Unit 11 Lab, Midterm	48.04%	21.57%	30.39%

MATH 1401

Course-Specific Outcome	General Core Outcome	Assessments	Exceeded Expectations	Met Expectation	Below Expectations
Extract quantitative data from a given situation, translate the data, evaluate information, abstract essential information, make logical deductions, and arrive at reasonable conclusions.	D8	Technology Project, Final Exam	67.86%	6.25%	25.89%

Learning Outcomes

PHYS 1211

Course-Specific Outcome	General Core Outcome	Assessments	Exceeded Expectations	Met Expectations	Below Expectations
Understand and apply the laws and concepts associated with physics by solving word problems.	D1, D2, D4, D6	Lesson 5	62.50%	37.50%	0.00%
Perform simple laboratories and reach appropriate conclusions. (CT)	D3, D7, D9, D10	Lab Report Lesson 7	83.33%	16.67%	0.00%
Represent data graphically by hand and computer.	D8	Lab Report Lesson 1	53.33%	46.67%	0.00%

AREA E

General Outcomes

1. Ability to relate local, national, and global social policy
2. Ability to describe how historical, economic, political, social, and spatial relationships develop, persist, and change
3. Ability to articulate the complexity of human behavior as functions of the commonality and diversity within groups
4. Ability to identify and analyze both contemporary and historical perspectives on contemporary issues
5. Ability to relate the contributions of groups and individuals to the history of ideas and belief systems
6. Ability to appreciate and respect diversity among people and recognize the roles various peoples played in their cultures (GL)
7. Ability to consider and accommodate opposing points of view

HIST 1111					
Course-Specific Outcome	General Core Outcome	Assessments	Exceeded Expectations	Met Expectations	Below Expectations
Identify and evaluate important historical, political, cultural, social, and economic movements; historical figures; and events that characterize the development of the great world civilizations from antiquity through 1500 CE.	E1	Rome Essay, Midterm, Final Exam	32.91%	47.44%	19.65%
Analyze the various interpretations of world historical events, figures, and issues and explain the ways and the reasons these interpretations have changed over time.	E2	Unit 4 or Unit 6 Discussion	53.77%	38.21%	8.02%
Identify, using at least three examples, the ways in which world civilizations and cultures interacted with and influenced one another from antiquity through 1500 CE.	E3	Unit 5 Discussion, Final Exam	49.75%	37.31%	12.94%
Identify the major historiographical issues associated with the significant time periods, cultures, figures, and events from antiquity through 1500 CE. (CT)	E4	Unit 1, Unit 8, Midterm Exam	39.61%	42.03%	18.36%

Learning Outcomes

HIST 2111					
Course-Specific Outcome	General Core Outcome	Assessments	Exceeded Expectations	Met Expectations	Below Expectations
Determine the relationship between local and national issues and events.	E1	Unit 3: Discussion or Essay, Unit 7 Essay	35.02%	55.76%	9.22%
Exhibit comprehension of the historical process of continuity and change.	E2	Unit 4: Discussion or Essay	33.49%	59.43%	7.08%
Appraise how and why the historical interpretations of the controversies, issues, personalities, and problems have changed over time.	E4	Unit 6 Discussion, Unit 7 Essay	45.92%	50.51%	3.57%
Identify trends and issues in intellectual and cultural history and be able to relate them to topics in US History.	E5	Unit 1 Discussion, Unit 2 Discussion	46.02%	45.13%	8.85%
Recognize the role of diversity in American society. (GL)	E6	Unit 2 Discussion, Unit 6 Discussion	46.53%	48.51%	4.96%
Analyze the trials and contributions of the many cultures that make up American society.	E9	Discussion: Unit 1, 6 or 8, Unit 1 Quiz, Unit 1 Exam	54.25%	40.57%	5.18%

POLS 1101					
Course-Specific Outcome	General Core Outcome	Assessments	Exceeded Expectations	Met Expectations	Below Expectations
Develop an awareness of current political issues and the policymaking process, both domestic and global.	E1	Discussion 7, 13 or 14	62.50%	26.56%	10.94%
Demonstrate an understanding of the cause and effect relationships in society.	E2	Discussion 5 or 6	73.66%	18.05%	8.29%
Recognize differing perspectives and points of view. (CT)	E7	Discussion 3, 6, 12 or 13	68.75%	21.35%	9.90%
Demonstrate knowledge of the historical background, foundations, origins, content, and application of the US Constitution and Bill of Rights. (US)	E8	Discussion 3 or 4	67.35%	21.94%	10.71%

PSYC 1101

Course-Specific Outcome	General Core Outcome	Assessments	Exceeded Expectations	Met Expectations	Below Expectations
Recognize that human experience and behavior vary as a function of context, culture and situation.	E3	Discussion 11	58.68%	29.75%	11.57%
Identify, understand, and contrast fundamental psychology perspectives within a historical context; past, present, and future trajectory. (CT)	E4	Discussion 1 or 8	64.71%	29.41%	5.88%

SOCI 1101

Course-Specific Outcome	General Core Outcome	Assessments	Exceeded Expectations	Met Expectations	Below Expectations
Define, identify, and explain culture, socialization, social interaction, groups, and social organization as basic building blocks of society and social experience, and apply this knowledge to explain why people conform to or deviate from societal expectations.	E3	Discussion 3 or 7	70.67%	24.67%	4.66%
Explain social structure, provide examples of social structure (both at the macro and micro level), and be able to express how important social institutions (such as family, religion, education, medicine, and others) shape society and social experience.	E5	Discussion 8 or 9	65.49%	22.54%	11.97%