

eCore Course-Level Outcomes: Fall 2015 (by Course)

CHEM 1211				
Course Outcome	n-Values	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.	150	69.33%	28.00%	2.67%
Employ critical thinking and systematic methods to solve problems, including conceptual and quantitative problems.	139	50.36%	38.85%	10.79%
Collect and analyze scientific data, formulate appropriate conclusions from data analyses, and communicate findings.	137	50.36%	40.15%	9.49%
	426	56.69%	35.66%	7.65%

CHEM 1212				
Course Outcome	n-Values	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.	150	31.33%	24.67%	44.00%
Employ critical thinking and systematic methods to solve problems, including conceptual and quantitative problems.	70	27.14%	35.71%	37.14%
	220	29.24%	30.19%	40.57%

COMM 1100				
Course Outcome	n-Values	Exceeded Expectations	Met Expectations	Below Expectations
Observe and utilize the recommended strategies for developing, delivering, and evaluating effective public presentations.	323	52.01%	38.39%	9.60%
Describe the different ways in which language defines and frames situations. Analyze the fundamental dimensions of cultural diversity (demographic, regional, and ideological) as they relate to communication.	686	69.53%	23.18%	7.29%
	1009	60.77%	30.78%	8.44%

ENGL 1101				
Course Outcome	n-Values	Exceeded Expectations	Met Expectations	Below Expectations
Write a narrative essay.	324	47.22%	47.22%	5.56%
Plan writing in light of situation, audience, and purpose.	239	43.93%	45.61%	10.46%
When writing an essay, employ a format and structure appropriate to the rhetorical situation.	237	43.46%	46.41%	10.13%
Write clear and complete sentences using standard English and grammar.	307	73.29%	18.89%	7.82%
	1107	51.98%	39.53%	8.49%

ENGL 1102				
Course Outcome	n-Values	Exceeded Expectations	Met Expectations	Below Expectations
Write well-developed, logically-organized essay.	368	41.85%	44.57%	13.59%
Use the writing process to understand different texts.	376	40.69%	52.93%	6.38%
Plan and conduct a research project using a variety of research sources.	356	38.48%	48.60%	12.92%
Use the writing process to understand different texts.	376	37.23%	54.79%	7.98%
	1476	39.56%	50.22%	10.22%

ENGL 2111				
Course Outcome	n-Values	Exceeded Expectations	Met Expectations	Below Expectations
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).	680	43.68%	37.50%	18.82%
Recognize the range of literary genres and conventions as well as the levels of sophistication of literary masterpieces coming from different cultures. Compare and contrast the characteristics of literary works emerging from various cultures and times in order to recognize common human values and beliefs.	404	41.34%	50.25%	8.42%
Analyze and evaluate literary works in their social, historical, and cultural context.	445	68.99%	23.15%	7.87%
	1529	51.33%	36.96%	11.70%

Learning Outcomes

ENGL 2112				
Course Outcome	n-Values	Exceeded Expectations	Met Expectations	Below Expectations
Demonstrate the ability to compare, contrast and understand diverse literary texts, authors, and genres.	265	33.96%	51.32%	14.72%
Analyze themes and ideas pertinent to World Literature from the mid-seventeenth century to the present.	265	41.51%	41.89%	16.60%
Comprehend how historical or literary movements shape our understanding of literature.	223	60.09%	17.94%	21.97%
	753	45.19%	37.05%	17.76%

ENGL 2131				
Course Outcome	n-Values	Exceeded Expectations	Met Expectations	Below Expectations
Identify the genres, major writers and important schools in American literature from the pre-colonial era to the opening volleys of the Civil War.	205	65.37%	26.83%	7.80%
Summarize, interpret, and infer hypotheses regarding selected texts.	199	44.22%	40.70%	15.08%
Use and extend reading, writing, technological, and critical thinking skills developed in ENGL 1101 and ENGL 1102.	210	43.81%	47.62%	8.57%
	614	51.13%	38.38%	10.48%

ENGL 2132				
Course Outcome	n-Values	Exceeded Expectations	Met Expectations	Below Expectations
Identify the important literary periods and themes of American Literature from the mid-19th Century to the present.	65	69.23%	23.08%	7.69%
Demonstrate knowledge of a diversity of American cultures through the study of literature.	60	68.33%	21.67%	10.00%
	125	68.78%	22.37%	8.85%

ENVS 2202				
Course Outcome	n-Values	Exceeded Expectations	Met Expectations	Below Expectations
Describe integrated science and the basic concepts involved in the study of the subject.	133	61.65%	30.08%	8.27%
Describe various ecosystem components.	298	53.36%	31.88%	14.77%
Discuss human population by calculating human population growth and identifying the impact of such growth on the environment.	323	91.02%	5.57%	3.41%
Explain the balance between the implementation costs of environmental regulations and their impact on mankind.	322	80.12%	16.46%	3.42%
Interpret environmental issues affecting the earth and its populations, including water use, food production, and urban development.	137	83.94%	10.22%	5.84%
	1213	74.02%	18.84%	7.14%

ETEC 1101				
Course Outcome	n-Values	Exceeded Expectations	Met Expectations	Below Expectations
Select appropriate technologies and methods to compile, analyze, organize, and present relevant information effectively.	41	53.66%	43.90%	2.44%
Become effective users of technology.	44	93.18%	4.55%	2.27%
	85	73.42%	24.22%	2.36%

HIST 1111				
Course Outcome	n-Values	Exceeded Expectations	Met Expectation	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.	535	32.52%	43.74%	23.74%
Analyze the various interpretations of world historical events, figures, and issues, and explain the ways and the reasons why these interpretations have changed over time.	459	43.79%	45.10%	11.11%
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.	478	45.19%	41.84%	12.97%
Identify the major historiographical issues associated with the significant time periods, cultures, figures, and events from antiquity through 1500 CE.	474	48.73%	32.28%	18.99%
	1946	42.56%	40.74%	16.70%

HIST 2111				
Course Outcome	n-Values	Exceeded Expectations	Met Expectations	Below Expectations
Determine the relationship between local and national issues and events.	587	57.24%	38.33%	4.43%
Exhibit comprehension of the historical process of continuity and change.	635	56.69%	38.58%	4.72%
Appraise how and why the historical interpretations of the controversies, issues, personalities, and problems have changed over time.	578	65.74%	29.93%	4.33%
Identify trends and issues in intellectual and cultural history and be able to relate them to topics in US History.	654	57.95%	36.85%	5.20%
Recognize the role of diversity in American society.	562	58.90%	32.03%	9.07%
Analyze the trials and contributions of the many cultures that make up American society.	482	67.84%	30.08%	2.07%
	3498	61.43%	33.50%	5.08%

MATH 1101				
Course Outcome	n-Values	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.	134	26.87%	41.04%	32.09%
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MATH 1111				
Course Outcome	n-Values	Exceeded Expectations	Met Expectations	Below Expectations
Model situations from a variety of settings in generalized mathematical forms.	459	63.62%	29.63%	6.75%
Express and manipulate mathematical information, concepts, and thoughts in verbal/numeric/graphical/symbolic form while solving a variety of problems.	433	54.73%	33.49%	11.78%
Solve multiple-step problems through different (inductive, deductive, and symbolic) modes of reasoning.	412	48.79%	36.41%	14.81%
Shift among the verbal, numeric, graphical, and symbolic modes of considering relationships.	400	50.50%	27.50%	22.00%
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.	372	59.14%	26.61%	14.25%
	2076	55.36%	30.73%	13.92%

MATH 1113				
Course Outcome	n-Values	Exceeded Expectations	Met Expectations	Below Expectations
Identify the characteristics of various functions.	241	24.90%	46.47%	28.63%
Sketch and analyze the graphs of algebraic, trigonometric, exponential, logarithmic, and inverse trigonometric functions.	222	22.52%	34.23%	43.24%
Set up and solve word problems using algebraic, trigonometric, exponential, logarithmic, and inverse trigonometric functions.	214	14.02%	36.45%	49.53%
Solve equations using algebraic, trigonometric, exponential, logarithmic, and inverse trigonometric functions.	225	18.67%	36.00%	45.33%
	902	20.03%	38.29%	41.68%

MATH 1401				
Course Outcome	n-Values	Exceeded Expectations	Met Expectations	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.	232	40.52%	24.57%	34.91%
	232	40.52%	24.57%	34.91%

MATH 1501				
Course Outcome	n-Values	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.	118	36.44%	28.81%	34.75%
Derivatives and Differential: Explain the definition of derivative and how it is related to tangent lines and rates of change, and 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.	112	26.79%	26.79%	46.43%
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.	105	9.52%	29.52%	60.95%
	335	24.25%	28.37%	47.38%

Learning Outcomes

PHIL 2010				
Course Outcome	n-Values	Exceeded Expectations	Met Expectations	Below Expectations
Explain and evaluate major arguments concerning freedom and determinism.	307	68.08%	23.45%	8.47%
Explain, evaluate, and apply major ethical theories.	305	62.62%	29.18%	8.20%
	612	65.35%	26.32%	8.33%

PHYS 1211				
Course Outcome	n-Values	Exceeded Expectations	Met Expectations	Below Expectations
Understand and apply the laws and concepts associated with physics by solving word problems.	25	80.00%	12.00%	8.00%
Perform simple laboratories and reach appropriate conclusions.	15	73.33%	20.00%	6.67%
Represent data graphically by hand and computer.	26	80.77%	11.54%	7.69%
	66	78.03%	14.51%	7.45%

POLS 1101				
Course Outcome	n-Values	Exceeded Expectations	Met Expectations	Below Expectations
Develop an awareness of current political issues and the policymaking process, both domestic and global.	573	71.03%	19.90%	9.08%
Demonstrate an understanding of the cause-and-effect relationships in society	666	84.53%	11.71%	3.75%
Recognize differing perspectives and points of view.	675	50.67%	32.74%	16.74%
Demonstrate knowledge of the historical background, foundations, origins, content, and application of the US Constitution and Bill of Rights.	670	72.69%	19.25%	8.06%
	2584	69.73%	20.90%	9.41%

PSYC 1101				
Course Outcome	n-Values	Exceeded Expectations	Met Expectations	Below Expectations
Recognize that human experience and behavior vary as a function of context, culture, and situation.	398	69.60%	25.38%	5.03%
Identify, understand, and contrast fundamental psychology perspectives within a historical context; past, present, and future trajectory.	394	82.74%	11.68%	5.58%
	792	76.17%	18.53%	5.30%

SOCI 1101				
Course Outcome	n-Values	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.	480	56.46%	31.88%	11.67%
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.	454	62.78%	29.07%	8.15%
	934	59.62%	30.47%	9.91%

SPAN 2001				
Course Outcome	n-Values	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.	73	78.08%	21.92%	0.00%
	73	78.08%	21.92%	0.00%

SPAN 2002				
Course Outcome	n-Values	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.	71	52.11%	39.44%	8.45%
	144	65.10%	30.68%	4.23%