

West Valley College

SLO Performance - By Division, Course, CSLO

Program: WVC Science & Math

Date: 11/26/2018

Terms:

Analyze and interpret mathematical and physical meaning from tables, graphs, and algebraic functions.

CSLO not included in any Assessment Rubric

Create, analyze, and solve linear, exponential, and polynomial models describing real-life applications.

CSLO not included in any Assessment Rubric

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

BIOL010: Introduction to Biology

Evaluate decisions regarding health, wellness, biotechnology and environmental/ecological issues based on information learned in this course.

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%		
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	181	45.48%	133	33.42%	81	20.35%	3	0.75%	0	

Totals for CSLOs

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

GEO001AH: Honors Physical Geology

Design an experiment using the scientific method.

CSLO not included in any Assessment Rubric

Demonstrate improved ability to make biologically informed decisions regarding health, wellness, and biotechnology issues based on information learned in this course.

CSLO not included in any Assessment Rubric

Totals for CSLOs

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

MATH003B: Calculus and Analytical Geometry

Apply the techniques of integration to solve problems involving integrals of algebraic and transcendental problems.

CSLO not included in any Assessment Rubric

Analyze convergence and divergence of sequences and series.

CSLO not included in any Assessment Rubric

Define, describe, and solve problems involving conic sections and the polar coordinate system.

CSLO not included in any Assessment Rubric

Totals for CSLOs

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

BIOL024: Contemporary Biology

Describe the biological basis of heredity and discriminate between the traditional definition and contemporary challenges to this definition.

CSLO not included in any Assessment Rubric

Discuss the basis of genetic engineering/cloning and evaluate at least two ethical issues that arise with this new technology.

CSLO not included in any Assessment Rubric

Evaluate how several of their individual activities contribute to global warming and predict the limitations imposed on the future by these changes.

CSLO not included in any Assessment Rubric

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%						

List and explain global and local geological processes such as earthquakes, volcanoes, landslides, and seismic sea waves.

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

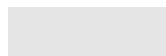
comes of reactions.

Totals for CSLOs

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

CHEM012B: Organic Chemistry

Explain fundamental reactivity of aromatic compounds including reaction mechanisms, definitions, and predicting the outcomes of reactions.



Draw mechanisms for basic organic reactions.

CSLO not included in any Assessment Rubric

Totals for CSLOs

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

BIOL043: Principles of Cell Biology

List the enzymes and describe/diagram the processes and nucleotide sequences necessary to replicate DNA, make an RNA transcript from a gene, and synthesize a protein from an mRNA.

CSLO not included in any Assessment Rubric

Totals for CSLOs

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

CHEM030B: Fundamentals of Chemistry

Answer fundamental questions about sugar, protein or fatty acid metabolism.

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

BIOL056: Ecology of the Sierra Nevada

Evaluate and hypothesize on the climatic conditions influencing community ecology.
 CSLO not included in any Assessment Rubric

Evaluate the impact of biotic and abiotic factors on specific organisms native to the Sierra Nevada region.
 CSLO not included in any Assessment Rubric

Identify organisms native to the Sierra Nevada region.
 CSLO not included in any Assessment Rubric

Totals for CSLOs	
2018FA	
2018SU	
2018SP	
2017FA	
Totals	

CHEM050: Chemical Skills

Complete basic chemis

2018SU	
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Find limits of, differentiate, and integrate vector-valued functions.

CSLO not included in any Assessment Rubric

Find limits of, differentiate, and integrate functions of several variables.

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

Exceeds expectations	Meets expectations
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Given a list of characteristics, classify an unknown organism as either a prokaryote, eukaryote, or virus, showing a reasoned explanation for the classification.

CSLO not included in any Assessment Rubric

Discriminate between the characteristics of microbial biofilms that are advantageous for use in biotechnology and those characteristics that cause biofilms to be harmful to human health.

CSLO not included in any Assessment Rubric

Evaluate and, if necessary, modify their Gram stain technique when applied to an unknown microorganism.

CSLO not included in any Assessment Rubric

Totals for CSLOs

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

MATHTMP1: Transfer Math Preparation 1 - Preparation for Transfer Level

Improve algebra and math study skills using an on-line learning system.

CSLO not included in any Assessment Rubric

Exceeds

Recognize, classify, and solve a first-order differential equation.

CSLO not included in any Assessment Rubric

Generate an approximate solution (either using power series or numerical methods) to a differential equation.

CSLO not included in any Assessment Rubric

Analyze, model, solve, and interpret an applied problem with a differential equation.

CSLO not included in any Assessment Rubric

Totals for CSLOs

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

MATH000G: Mathematics for the Liberal Arts Student

Identify a common geometric shape and find the perimeter, area, and volume of the shape.

CSLO not included in any Assessment Rubric

Use problem-solving strategies to create and apply a geometric equation to a real-world problem.

CSLO not included in any Assessment Rubric

Exceeds expectations	Meets expectations	Does not meet expectations	N/A	Total
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Totals for CSLOs

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

MATH010H: Honors Elementary Statistics

Given visual displays of the distribution of several variables, compare and contrast the distributions, including discussions of center, spread, symmetry, skewness, and outliers.

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

Explain the process by which natural selection results in evolutionary change.

CSLO not included in any Assessment Rubric

Assess and evaluate environmental issues that affect marine life.

CSLO not included in any Assessment Rubric

Exceeds expectations	Meets expectations	Does not meet expectations	
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Use the course material, along with technology, to solve applied problems.

CSLO not included in any Assessment Rubric



Use the Principles of Plate Tectonics to explain how they affect ocean basin shape and features.

CSLO not included in any Assessment Rubric

Totals for CSLOs

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

MATH106R: Intermediate Algebra - Review

Analyze, apply, and interpret quadratic and exponential functions.

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%			0	0.00%		

Describe and interpret relationships between quantities using graphs, tables, symbols, and words.

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

Totals for CSLOs

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

MATH903P: Preparation for Elementary Algebra

Improve algebra and math study skills using an online learning system.

CSLO not included in any Assessment Rubric

Totals for CSLOs

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

PHYS001: Introduction to Physics Problem Solving

Apply basic nomenclature of poly-functional organic molecules to write a name from the structure and draw a structure from a name.

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	3	37.50%	3	37.50%	2	25.00%	0	0.00%	8	100.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	3	37.50%	3	37.50%	2	25.00%	0	0.00%	8	100.00%

Differentiate between types of general reaction mechanisms which include Sn1,Sn2, E1 and E2. Based on this knowledge, predict the outcomes of select reactions and to understand the parameters of these reactions.

CSLO not included in any Assessment Rubric

Totals for CSLOs

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	3	37.50%	3	37.50%	2	25.00%	0	0.00%	8	100.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	3	37.50%	3	37.50%	2	25.00%	0	0.00%	8	100.00%

BIOL050: Human Cadaver Dissection

Predict how the human body will respond to infection of a specific invading pathogen.

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	3	37.50%	0	0.00%	0	0.00%	5	62.50%	8	100.00%
Totals	3	37.50%	0	0.00%	0	0.00%	5	62.50%	8	100.00%

Given characteristics of an unknown emerging infectious disease, determine if those characteristics will cause that disease to increase in the number of infections in a human population.

Exceeds expectations

ASTR022: From Big Bang to Black Holes**Explain the properties of the Universe.**

CSLO not included in any Assessment Rubric

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%		

Improve algebra skills by using an online learning system.

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

Totals for CSLOs

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

PHYS002B: General Physics - Electricity and Magnetism**Apply core physical principles in conceptually describing the topics of electricity and magnetism, optics and modern physics.**

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

Identify the essential aspects of a problem, formulate a problem-solving strategy, estimate the solution, apply appropriate techniques, test the correctness of the solution and interpret the results in relationship to physical concepts.

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

Set up an experiment, collect and analyze data, identify sources of error, and interpret results in relationship to physical concepts.

CSLO not included in any Assessment Rubric

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

Totals for CSLOs

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

PHYS004A: Engineering Physics-Mechanics

Set up an experiment, collect and analyze data, identify sources of error, and interpret results in relationship to physical concepts.

CSLO not included in any Assessment Rubric

Identify the essential aspects of a problem, formulate a problem-solving strategy, estimate the solution, apply appropriate techniques, test the correctness of the solution and interpret the results in relationship to physical concepts.

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

Apply core physical principles in conceptually describing the topics of mechanics.

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

Totals for CSLOs

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

MATH106: Intermediate Algebra

Describe and interpret relationships between quantities using graphs, tables, symbols, and words.

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

Totals for CSLOs

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	120	37.85%	83	26.18%	107	33.75%	7	2.21%	317	100.00%
Totals	120	37.85%	83	26.18%	107	33.75%	7	2.21%	317	100.00%

MATH014: Math for Elementary School Teachers (number Systems)

Identify patterns and relationships between operations involving whole numbers, integers, and rational numbers.

CSLO not included in any Assessment Rubric

Totals	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

PHYS004B: Engineering Physics - Electricity and Magnetism

Set up an experiment, collect and analyze data, identify sources of error, and interpret results in relationship to physical concepts.
 CSLO not included in any Assessment Rubric

Apply core physical principles in conceptually describing the topics of electricity and magnetism.

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

Identify the essential aspects of a problem, formulate a problem-solving strategy, estimate the solution, apply appropriate techniques, test the correctness of the solution and interpret the results in relationship to physical concepts.

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

Totals for CSLOs

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

BIOL022: Genetics

Describe the basic mechanism of inheritance for a specific genetic disease.

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

Describe basic principles of biotechnology such as cloning, recombinant DNA, and DNA profiling.

CSLO not included in any Assessment Rubric

Hypothesize and evaluate the validity of a genetic inheritance model for an observed phenotype of a given population.

CSLO not included in any Assessment Rubric

Totals for CSLOs

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

MATH103: Elementary Algebra**Develop and apply linear functions that model real-world relationships.**

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	156	47.85%	58	17.79%	111	34.05%	1	0.31%	326	100.00%
Totals	156	47.85%	58	17.79%	111	34.05%	1	0.31%	326	100.00%

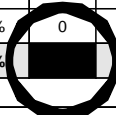
Justify, verify, and interpret solutions to symbolic and real world problems.

CSLO not included in any Assessment Rubric

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	156	47.85%	58	17.79%	111	34.05%	1	0.31%	326	100.00%
Totals	156	47.85%	58	17.79%						

Totals for CSLOs

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%



Identify specific tissue types based on observable microscopic characteristics.

CSLO not included in any Assessment Rubric

ASTR011: Stellar Astronomy**Explain the properties of a star based on a knowledge of its spectral characteristics.**

CSLO not included in any Assessment Rubric

	Exceeds expectations	Meets expectations	Does not meet expectations	N/A	Total
2018FA	0				

4. Explain and analyze the factors that contribute to carbon and ecological footprints of individuals and societies.

CSLO not included in any Assessment Rubric

5. Explain and analyze the relative contribution of different factors towards climate change, and explain the pros and cons of different approaches to slowing climate change.

CSLO not included in any Assessment Rubric

Totals for CSLOs

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

BIOL002: Environmental Biology

Analyze the evidence of global climate change.

CSLO not included in any Assessment Rubric

Analyze the effect of habitat destruction on global biodiversity.

CSLO not included in any Assessment Rubric

Analyze renewable and non-renewable energy source.

CSLO not included in any Assessment Rubric

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	

Explain how different animal taxa have solved the same physiological challenges in different ways in aquatic and terrestrial environments.

CSLO not included in any Assessment Rubric

Support an argument for common descent among animal phyla using evidence based on comparative zoology.

CSLO not included in any Assessment Rubric

Explain the process by which natural selection results in evolutionary change.

CSLO not included in any Assessment Rubric

Totals for CSLOs

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

BIOL014: California Plants and Animals

Evaluate and hypothesize on the abiotic conditions influencing plant communities of California.

CSLO not included in any Assessment Rubric

Given visual displays of the distribution of several variables, compare and contrast the distributions, including discussions of center, spread, symmetry, skewness, and outliers.

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

Given the description of a study in which an interval estimate or the result of a hypothesis test is provided, interpret the results of the interval estimate or hypothesis test.

Exceeds expectations	Meets expectations	Does not meet expectations
----------------------	--------------------	----------------------------

Explain a disease process, including changes that happen to normal function

CSLO not included in any Assessment Rubric

Explain the functional interrelationship between organ system function and the maintenance of homeostasis.

CSLO not included in any Assessment Rubric

Outline a normal negative feedback loop, identifying sensor, integrator, and effector.

CSLO not included in any Assessment Rubric

Totals for CSLOs

			Meets expectations		Does not meet expectations		N/A		Total	
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

PHYS004D 0 0 0 RG [415.75 255 m 441.25 255 | S 0.5 w 0 J 0 04dv 2 Jd Topics] 0 Modern Physics1 0 0 1 0] 415 G 0 d 68 m 381.25 268 | S 0.5 w 0 J 0 0 0 RG [0

Apply concepts from special relativity to analyze physical situations, including time dilation, length contraction, and the Lorentz transformation.

Totals for CSLOs

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

BIOL055: Biology of Sex

Given a species account of a reproductive strategy students will be able to identify, evaluate, and hypothesize on the natural selection pressures driving the evolution of the strategy.

CSLO not included in any Assessment Rubric

Differentiate between the process and effects of natural selection and sexual selection.

CSLO not included in any Assessment Rubric

Compare and contrast the mating strategies of various classes of animals.

CSLO not included in any Assessment Rubric

Totals for CSLOs

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

MATH019: Discrete Mathematics

MATH104: Plane Geometry

Identify a common geometric shape and find the perimeter, area, and volume of the shape.

CSLO not included in any Assessment Rubric

ASTR014: Life in the Universe

GEOL030: Regional Geology Field Excursion
Interpret geologic maps of the field excursion area. CSLO not included in any Assessment Rubric
Identify the three fundamental rock groups based on texture and mineral composition. CSLO not included in any Assessment Rubric

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%								



PSCI020: Weather and Climate

Relate the wet and dry adiabatic rates to the environmental lapse rates and determine if the air is stable, unstable or conditionally stable.

CSLO not included in any Assessment Rubric

Given the above information as well as the dew point, they should be able to determine the condensation level.

CSLO not included in any Assessment Rubric

Totals for CSLOs

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

MATH001: Pre-Calculus Algebra

Describe the biological basis of heredity and discriminate between the traditional definition and contemporary challenges to this definition.

CSLO not included in any Assessment Rubric

Discuss the basis of genetic engineering/cloning and evaluate at least two ethical issues that arise with this new technology.

CSLO not included in any Assessment Rubric

Evaluate how several of their individual activities contribute to global warming and predict the limitations imposed on the future by these changes.

CSLO not included in any Assessment Rubric

Totals for CSLOs

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

BIOL047: Human Anatomy

Identify specific tissue types based on observable microscopic characteristics.

CSLO not included in any Assessment Rubric

Describe the relationship between anatomical structures and physiological function.

CSLO not included in any Assessment Rubric

Locate and identify major skeletal muscles in the human cadaver and infer the actions of these muscles.

CSLO not included in any Assessment Rubric

Totals for CSLOs

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

BIOL050: Human Cadaver Dissection

Locate and identify relevant interrelated structures in a specific body region.

CSLO not included in any Assessment Rubric

Describe the anatomical presentation of pathology present in a specific cadaver.

CSLO not included in any Assessment Rubric

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	

The student will be able to determine the phase of the moon based on the temporal and spatial relationships between the Sun, Earth and Moon.

CSLO not included in any Assessment Rubric

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%				

Analyze and interpret mathematical and physical meaning from tables, graphs, and algebraic functions.

Totals for CSLOs										
	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

BIOL013: Natural History of California										
Evaluate and hypothesize on the abiotic conditions influencing community ecology. CSLO not included in any Assessment Rubric										
Identify dominant plant species in various California biotic communities. CSLO not included in any Assessment Rubric										

	s	Meets expectations		Does not meet expectations		N/A		Total	
		2018FA	%	0	0.00%	0	0.00%	0	0.00%
2018SU	%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

Evaluate the relationships of organisms to each other and their environments. Explain the essential elements of life, major hypotheses for life's history, and mechanisms for the diversification of life. Compare and contrast the development, life cycles, anatomical and physiological characteristics of major taxa of organisms. Describe, identify key characteristics and classify representative specimens down to representative phyla. Apply the processes of scientific inquiry, phylogenetic analysis, and experimental design to the diversity of organisms.

CSLO not included in any Assessment Rubric

Exceeds expectations	Meets expectations	Does not meet expectations	N/A	Total
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**Analyze
the lines of evidence of global climate change.**

Given characteristics of an unknown emerging infectious disease, determine if those characteristics will cause that disease to increase in the number of infections in a human population.

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

Interpret epidemiological data such as prevalence, incidence, and mortality rate of a disease.

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

Totals for CSLOs

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

CHEM161: Water Treatment II

Analyze unit operations of water disinfection concepts and chemical treatment.

CSLO not included in any Assessment Rubric

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A			total
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%		0.00%

Analyze, apply, and interpret quadratic and exponential functions.

Exceeds expectations	Meets expectations	
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Solve applied problems in finance, statistics, geometry, and probability.

CSLO not included in any Assessment Rubric

Demonstrate ability to use basic statistics to understand statistical problems, to validate conclusions and to develop meaningful predictions.

CSLO not included in any Assessment Rubric

Totals for CSLOs

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

BIOL058: Field Ecology

Identify living systems, flora and fauna, specific to field study regions.

CSLO not included in any Assessment Rubric

Totals for CSLOs

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

PSCI010: Physical Science Survey

Apply the concepts of the Newton's Laws of Motion, the Periodic Table of Elements, Plate Tectonics and the Formation of the Solar System.

CSLO not included in any Assessment Rubric

Totals for CSLOs

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

MATH002: Pre-Calculus Algebra and Trigonometry

Evaluate a function, and determine the characteristics of a function, represented graphically, symbolically, or numerically, including determining the domain and range, the intervals on which the function is increasing or decreasing, where optimal values occur, and long-term behavior.

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2017FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0									

Report Totals:

	Exceeds expectations		Meets expectations		Does not meet expectations		N/A		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
2018FA	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SU	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2018SP	212	45.89%	162	35.06%	85	18.40%	3	0.65%	462	100.00%
2017FA	282	42.79%	141	21.40%	218	33.08%	18	2.73%	659	100.00%
Totals	494	44.07%	303	27.03%	303	27.03%	21	1.87%	1121	100.00%