Courses with their CSLOs

Course ID	CSLO Name	CSLO
ANATV01	CSLO-1	(Identify) Students will identify and name key anatomical components of the organ systems in the human body.
	CSLO-2	(Tissues) Students will describe the important tissues of the human body and predict the relationship between their characteristics and applications in human anatomy, with emphasis on the relationship between form and function.
	CSLO-3	(Gross) Students will describe the relationship between the individual gross anatomy components of the organ systems of the human body and relate the composition of these systems to their function.
	ISLO-1	Communication (Written, Oral, and Visual)
	Muscles - Archived	Students will successfully identify and name major muscles of the body.
ANPHV01	CSLO-1	Describe the important tissues of the human body and predict the relationship between their characteristics and applications in human anatomy, with emphasis on the relationship between form and function.
	CSLO-2	Identify the gross and histological components of each of the organ systems in the human body.
	CSLO-3	Identify the mechanisms by which positive and negative feedback mechanisms contribute to homeostasis and predict the physiological effect of applying stresses to critical homeostatic mechanisms in the human body.
	ISLO-3	Critical Thinking and Problem Solving
BIOLV01	CSLO-1	(Science) Students will be able to outline the scientific method and recognize how the underlying principles of scientific inquiry differ from non-scientific ideas.
	CSLO-2	(Evolution) Students will be able to illustrate how evolution is the unifying theory of biology using diverse examples.
	CSLO-3	(Processes) Students will be able to correctly identify biological processes, applying this knowledge when appropriate, and will understand the significance of these processes at different levels of organization.
	CSLO-4a	Students will identify and contrast the steps and process of photosynthesis
	ISLO-3	Critical Thinking
BIOLV01L	CSLO-1	instruments - Use scientific instruments effectively.
	CSLO-2	Science - Students will investigate questions using the scientific method and report their results.
	CSLO-3	Relationships - Identify the relationships among chemicals, cells, and organisms.
	ISLO-2	Reasoning (Scientific and Quantitative)
BIOLV03	CSLO-1	Characterize major groups of prokaryotic and eukaryotic organisms and explain their placement within currently recognized taxa.
	CSLO-2	Explain the basic anatomy, physiological functions, and interactions among organisms and between organisms and the environment.
	CSLO-3	Critically read, analyze, and explain concepts from standard scientific-formatted literature including experimental procedure(s), data, and conclusions.
	ISLO-4	Information Literacy
BIOLV04	CSLO-1	Explain the organization, regulation, and transmission of genetic information at the molecular and organismic levels including their involvement in evolution.
	CSLO-2	Identify and describe cell structures including representative biological molecules and explain their functions.
	CSLO-3	Plan and execute a particular experimental procedure, collect data, analyze data, derive conclusions from these data, and report these findings using standard scientific format.

Course ID	CSLO Name	CSLO
	ISLO-2	Reasoning (Scientific and Quantitative)
BIOLV12	CSLO-1	Identify and describe human cell structures, including DNA, and explain their functions.
	CSLO-2	Describe the normal functions of the major organ systems of the human body, including how homeostasis is maintained.
	CSLO-3	Describe human interactions with the environment.
	ISLO-1	Communication (Written, Oral, and Visual)
BIOLV14	CSLO-1	Identify and classify common plants and animals and how they relate in their natural environment.
	CSLO-2	Use field tools and/or methods to collect data which addresses scientific hypotheses.
	CSLO-3	Use critical thinking skills in evaluating information gathered through experts in Field Biology.
	CSLO-4	Use various sampling methods on plants, animals and environmental surroundings within an ecosystem to determine interactions within a community.
	ISLO-2	Reasoning (Scientific and Quantitative)
BIOLV18 (co-designated with BIOT V18)	CSLO-1	Demonstrate the ability to obtain reliable scientific information for presentations, discussions, or personal edification.
	CSLO-2	Understand the diference between Mendelian and non-Mendelian mechanisms of inheritance.
	CSLO-3	Describe the effect of changes in the nucleotide base sequence in DNA on genetic disorders
	ISLO-1	Communication (Written, Oral, and Visual)
BIOLV23	CSLO-1	Understand and apply the principles of scientific reasoning and scientific method to observations, hypotheses, predictions and experiments with the organisms in plant biology.
	CSLO-2	Observe and describe the structures and functions of plants from biochemical, cellular and genetic levels to evolutionary and ecosystem levels, including their interactions with other organisms including humans.
	CSLO-3	Apply techniques and principles acquired in lecture and laboratory to correctly identify discussed organisms to the appropriate phylogenetic group.
	ISLO-1	Communication (Written, Oral, and Visual)
BIOLV29	CSLO-1	Recognize the interplay of phylogeny and environmental adaptation in marine organisms.
	CSLO-2	Apply critical thinking skills and an understanding of the scientific method to marine science stories in the public media.
	CSLO-3	Identify human impacts on the marine environment and discuss various perspectives and proposals for addressing them.
	ISLO-4	Information Literacy
BIOLV29L	CSLO-1	Utilize interpretive tools and identify local marine communities and their dominant members.
	CSLO-2	Create hypotheses, design experiments, collect data, and interpret results.
	CSLO-3	Recognize the impacts of human activities on the marine environment and describe various local issues and mitigation efforts.
	ISLO-1	Communication
	ISLO-2	Reasoning (Scientific and Quantitative
BIOLV30 (co-designated with	CSLO-1	Describe the central theory of molecular biology and be able to relate it to the practices and products of a biotechnology company.

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BIOT V30)	CSLO-1	Describe the central theory of molecular biology and be able to relate it to the practices and products of a biotechnology company.
	CSLO-2	Critically read and analyze standard scientific formatted literature including experimental procedure(s), data, and conclusions.
	ISLO-4	Information Literacy
BIOLV31 (co-designated with BIOT V31)	CSLO-1	Describe common procedures and techniques used in biotechnology.
	CSLO-2	Plan and execute a particular experimental procedure, collect data, graph and analyze data, derive conclusions from these data, and report these findings using standard scientific format.
	ISLO-2	Reasoning (Scientific and Quantatative)
MICRV01	CSLO-1	Student knows and can apply microbiology and immunology terms and concepts to microbiological problems.
	CSLO-2	Student understands and can compare and contrast taxonomy, biological significance, genetics, and metabolism of microorganisms.
	CSLO-3	Follow laboratory protocols and perform microbiologic lab skills, including microscopy, staining, and culturing of microorganisms.
	ISLO-2	Reasoning (Scienfitic and Quantatative)
PHSOV01	CSLO 1	Students will demonstrate an understanding of neuron function, including the details of conduction and transmission.
	CSLO 2	Students will demonstrate an understanding of the details of cellular respiration,including glycolysis,oxidative decarboxylation, Krebs' cycle, and electron transport, and their contribution to the production of ATP and cellular energetics.
	CSLO 3	Students will demonstrate an understanding of the cardiac cycle as well as the electrical conduction system that regulates it, and will describe the relationship between the components of the electrocardiogram, the electrical activity of the heart, and the mechanical events of the cardiac cycle.
	ISLO-3	Critical Thinking and Problem Solving