ASSESSMENT DAY

College of Arts and Sciences

School of Biological and Physical Sciences

February 18, 2022

Strengths

Challenges

Recommendations

Academic Assessment

	LEVEL	FOCUS	CONDUCTED BY	FREQUENCY
Academic Success Committee	Program	• Quality of assessment practices	Committee of peers	Years 1 & 2
Instructional Program Review	Program / Cluster	• Enrollment, retention, completion • Industry certifications and job placement • Program budget and staffing • Advisory committees • Curriculum changes	Committee of peers	Year 3
Assessment Day	Course/ Program	• Enrollment by demographics • Graduation and retention • Average class size • Course success rate • Placement rate • SLOs, PLOs and ILOs	Program Chair and Faculty	Years 1, 2, 3

Programs

2230 - Environmental Science Technology

School of Biological and Physical Sciences

Last Assessment Day Action Items

Last Assessment Day (10/16/2020)

- EST Program: Continue to reach out to students in a regular basis;
- Cross trainings with Monica Buxo;
- Faculty will work with Online Studies to identify potential tools to prevent cheating

For IE:

- Identify current tools to reach out to students (contact information)

Course Learning Outcomes
AST1002

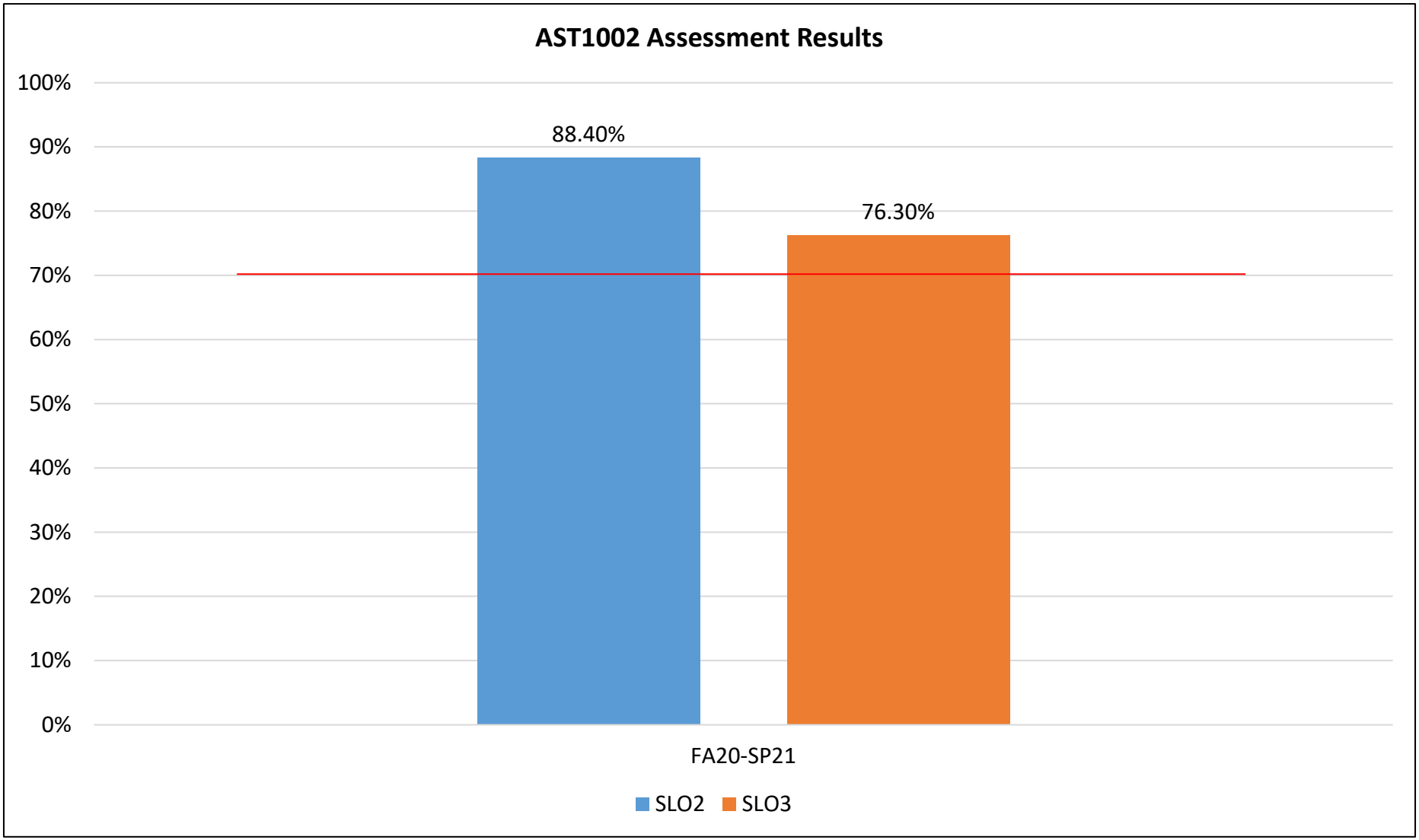
SLO 1: Relate the historical evolution of astronomy, including its impact on religious and philosophical thought from its inception to current day. *(1, 2, 4)*

SLO 2: Develop a fundamental astronomical vocabulary which would enable the student both understand and describe the universe and recent discoveries about it. *(1, 2, 4)*

SLO 3: Describe the evolution of stars and galaxies, their essential components, methods used in gaining knowledge about them, and their place in the overall structure of the universe. *(1, 2, 4)*

SLO 4: Compare and contrast the modern view of the universe with the view that was accepted prior to the
20th century. *(1, 2, 4)*

Course Assessment Results 2020-2021
AST1002



20120-21 Success Rate: 79%

Results given in average

Course Learning Outcomes
BCH3023C

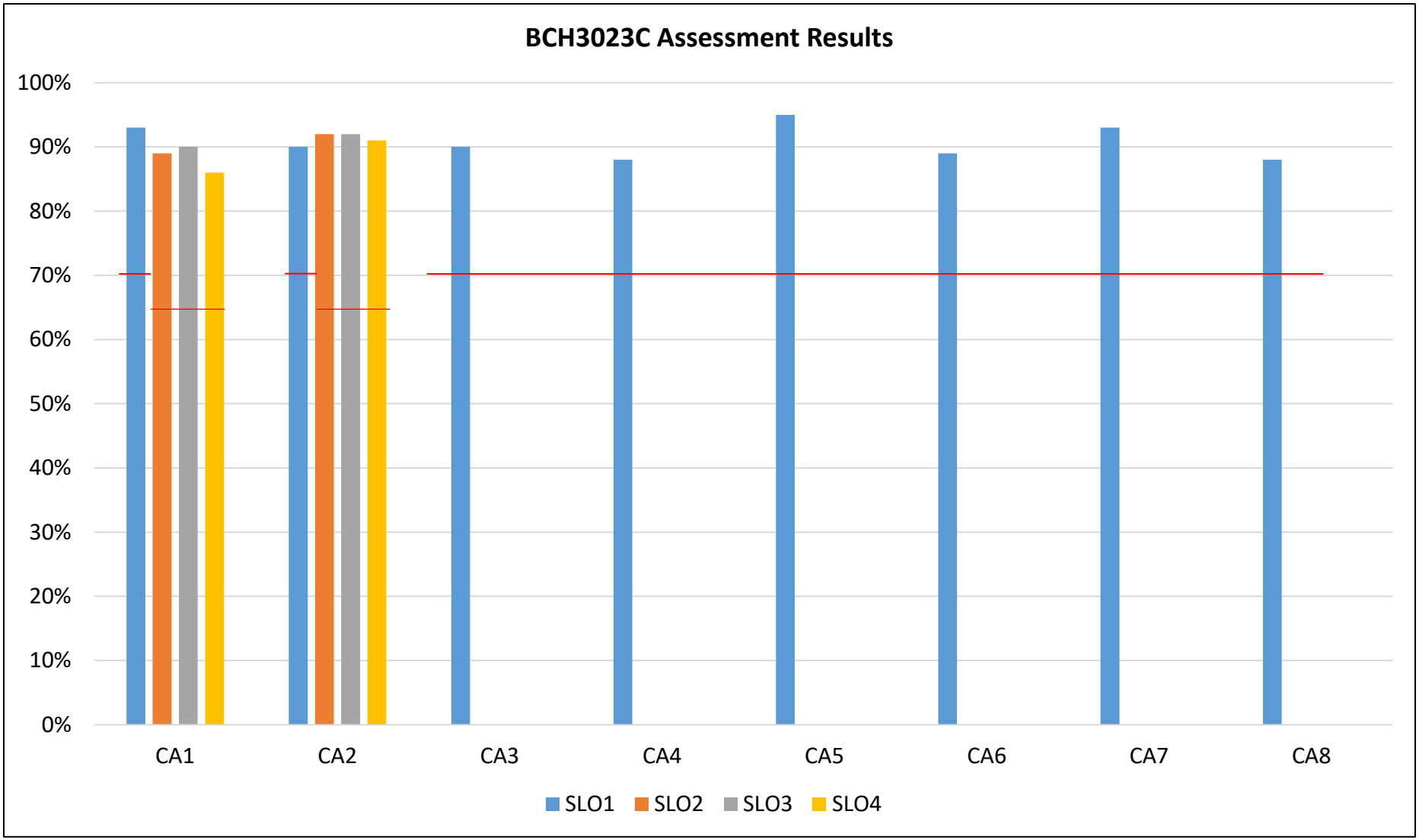
SLO 1: Demonstrate knowledge of amino acids, proteins, carbohydrates, lipids, structure and function *(1)*

SLO 2: Demonstrate knowledge of biological membranes and transportation *(1)*

SLO 3: Demonstrate knowledge of the basic concepts of cellular metabolism and storage *(1)*

SLO 4: Demonstrate knowledge of cellular signaling *(1)*

Course Assessment Results 2020-2021
BCH3023C



20120-21 Success Rate: 100%

Results given in average

Course Learning Outcomes
BOT1010C

SLO 1: Evaluate the scope and importance of the science of botany, including the uses of plants in human life. *(3)*

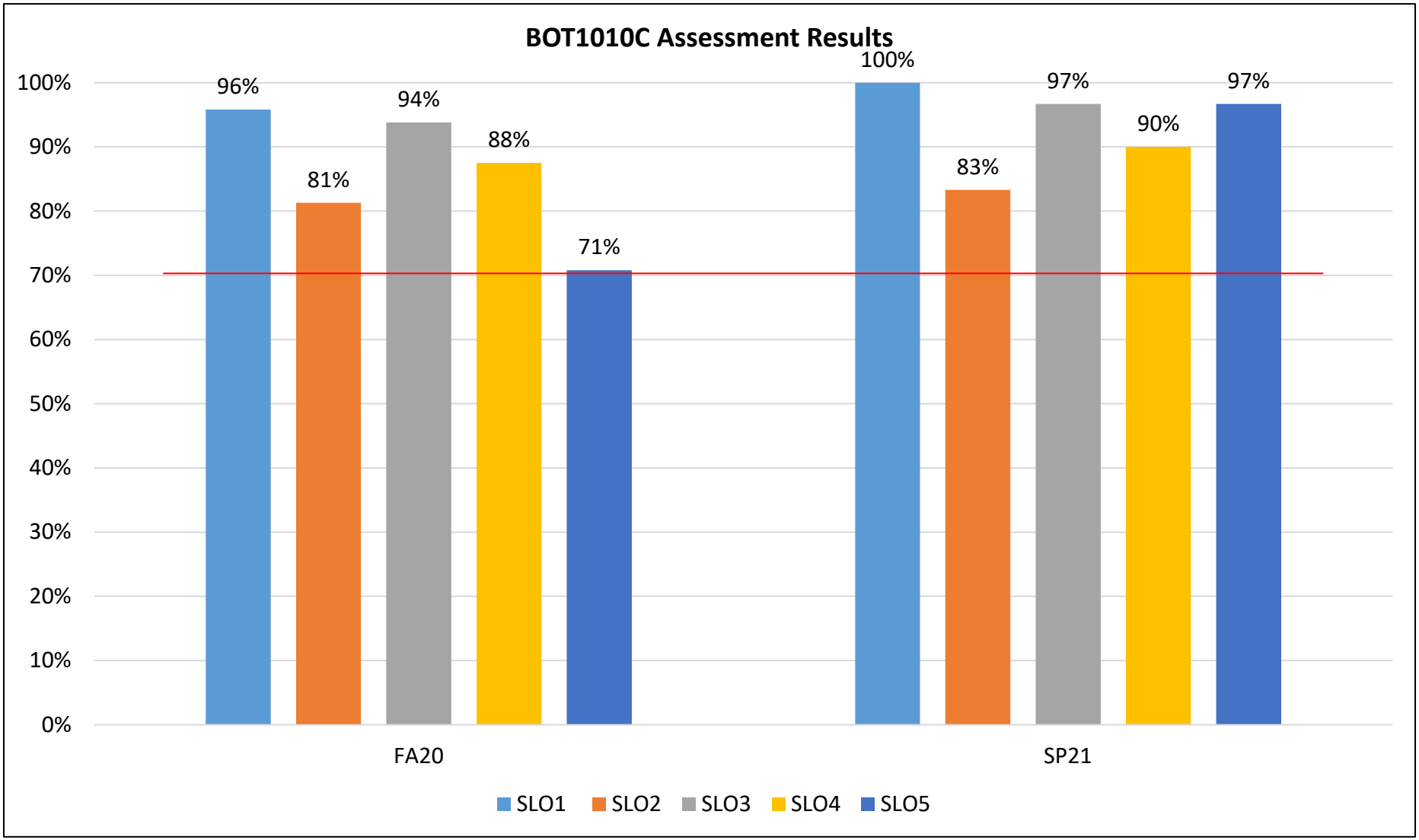
SLO 2: Identify the structure and functions of plant cells, the development of cells into tissues, and tissues into organs. *(1)*

SLO 3: Examine the photosynthetic, respiratory and other physiological processes as they occur in plants. *(1)*

SLO 4: Identify, compare & contrast the life cycle of each of the major taxa of land plants. Observe asexual & sexual reproductive systems in various taxa. Compare the form & function of the gametophyte & sporophyte. Explain structures that have been modified or adapted for reproductive purposes. *(1)*

SLO 5: Identify and analyze the major taxa of the plant kingdom. *(1)*

Course Assessment Results 2020-2021
BOT1010C



2020-21 Success Rate: 90%

Results given in averages

Course Learning Outcomes
BSC1005

SLO 1: Identify basic plant and animal cell organelles and their function. *(1)*

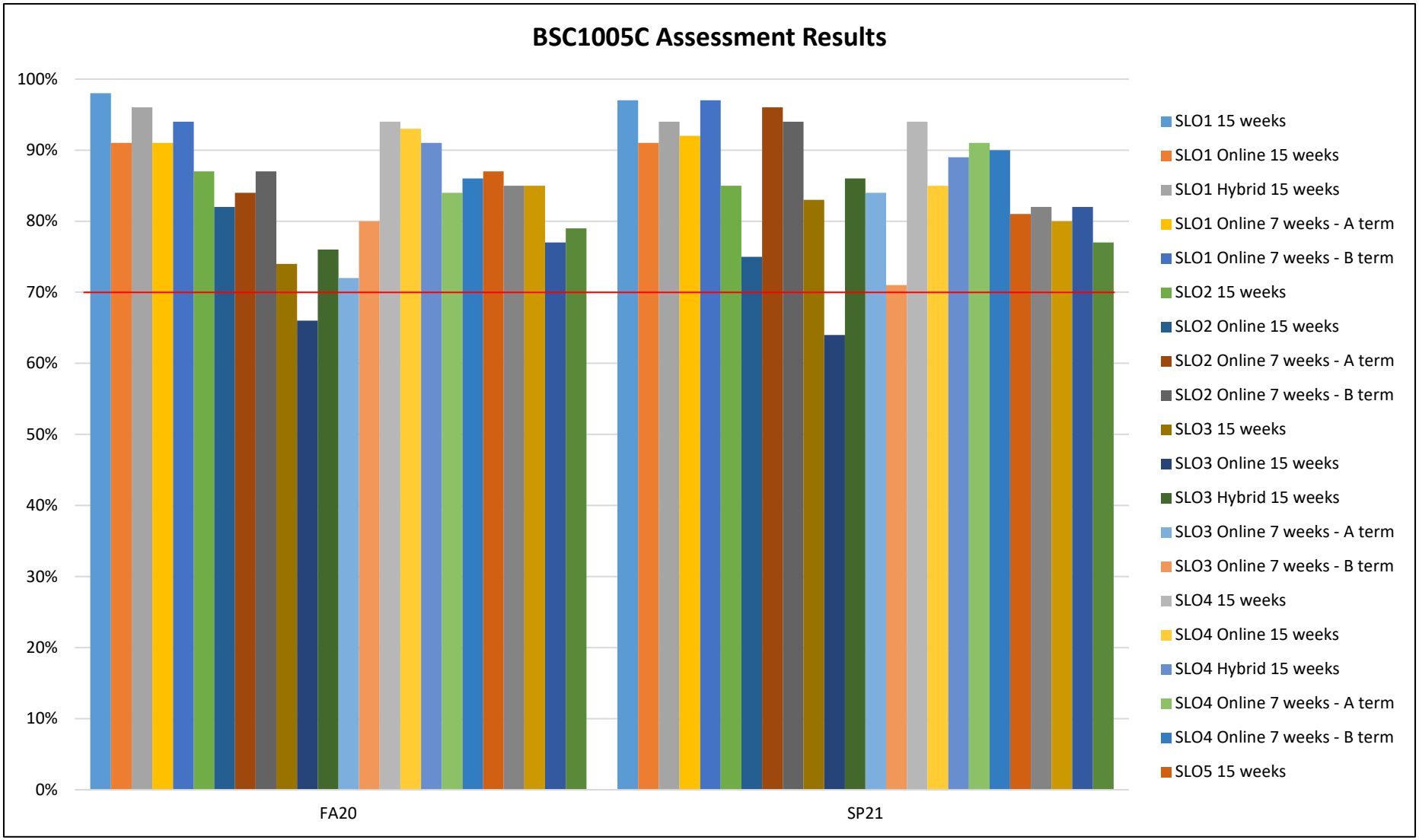
SLO 2: Name and describe the processes of mitosis. *(1)*

SLO 3: Use the principles of heredity to solve one gene problems. *(1)*

SLO 4: Describe the biological classification of organisms and give examples of each group. *(1)*

SLO 5: Identify male and female reproductive organs and their function. *(1)*

Course Assessment Results 2020-2021
BSC1005C



2020-21 Success Rate: 83%

Results given in averages

Course Learning Outcomes
BOT2150

SLO 1: Identify common plants of the east central Florida coastal and inland areas. *(3, 4)*

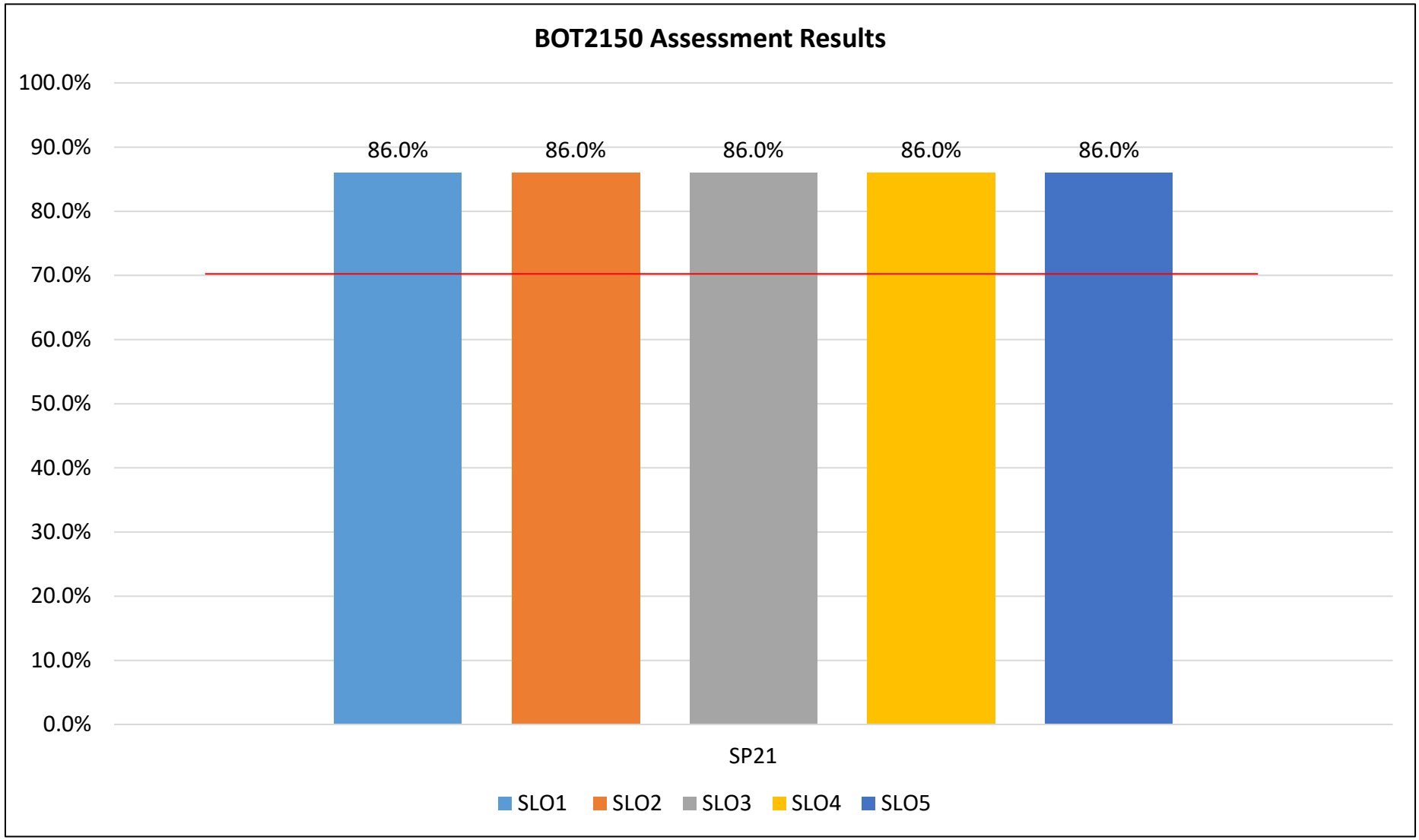
SLO 2: Compile species lists for different habitat types. *(1,3,4)*

SLO 3: Acquire basic knowledge of federal, state and local regulations pertaining to habitat and species protection, including restrictions on plant collecting. *(1,2,3,4)*

SLO 4: Collect and preserve botanical specimens from various habitat types in central Florida. *(3,4)*

SLO 5: Gain a working familiarity with the distribution and composition of central Florida vegetation communities. *(1,2,3,4)*

Course Assessment Results 2020-2021
BOT2150



2020-21 Success Rate: 75%

Course Learning Outcomes
BOT3151

SLO 1: Identify common plants of the east Central Florida coastal and inland natural communities *(3,4)*

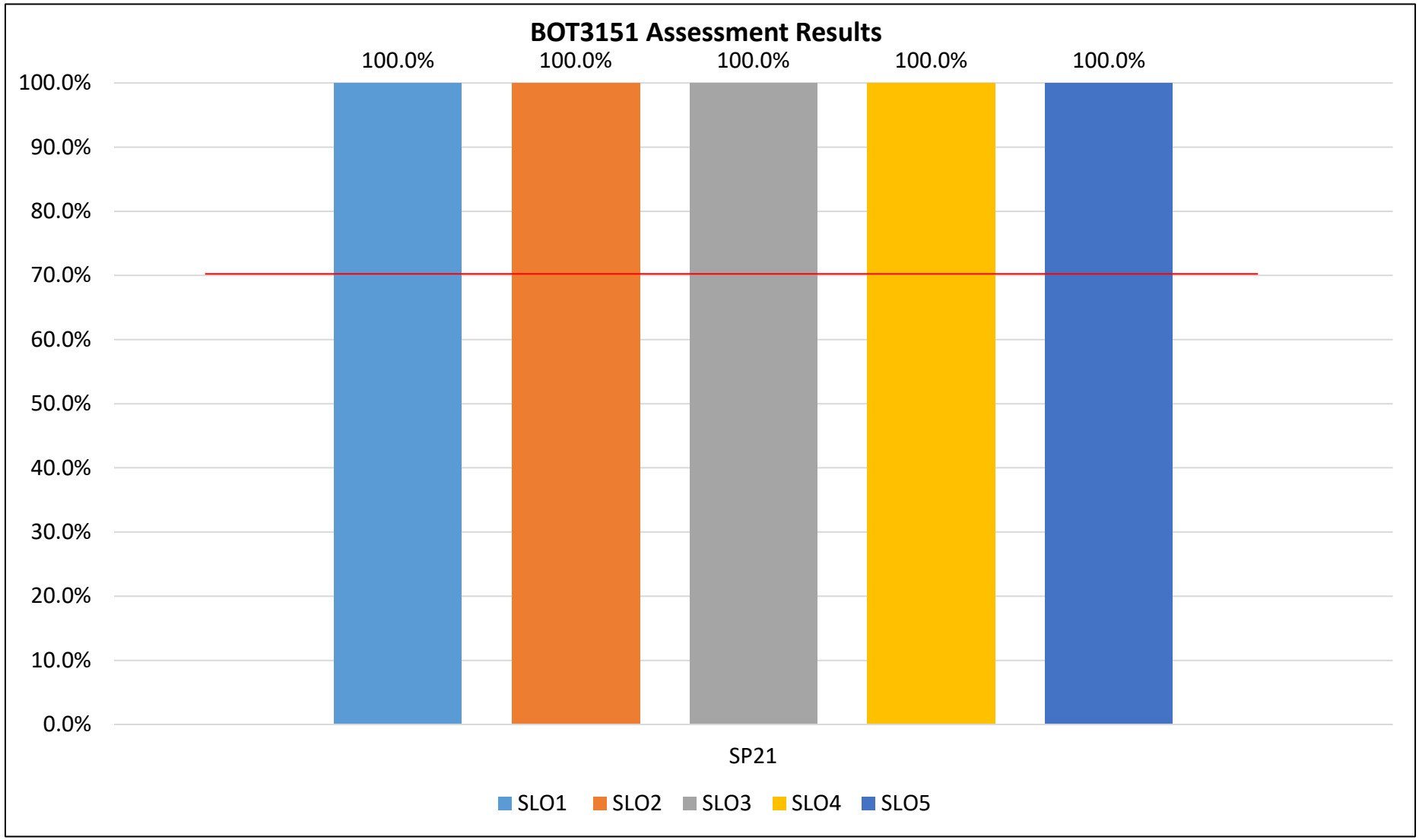
SLO 2: Compile species lists for different habitat types *(1,3,4)*

SLO 3: Acquire basic knowledge of federal, state and local regulations pertaining to habitat protection *(1,2,3,4)*

SLO 4: Collect and preserve botanical specimens from Florida's coastal and inland natural areas *(3,4)*

SLO 5: Gain a working familiarity with the distribution and composition of Florida's coastal and inland natural communities *(1,2,3,4)*

Course Assessment Results 2020-2021
BOT3151



2020-21 Success Rate: 100%

Course Learning Outcomes
BSC1010C

SLO 1: Describe the basic chemical molecules of life. *(1,2,4)*

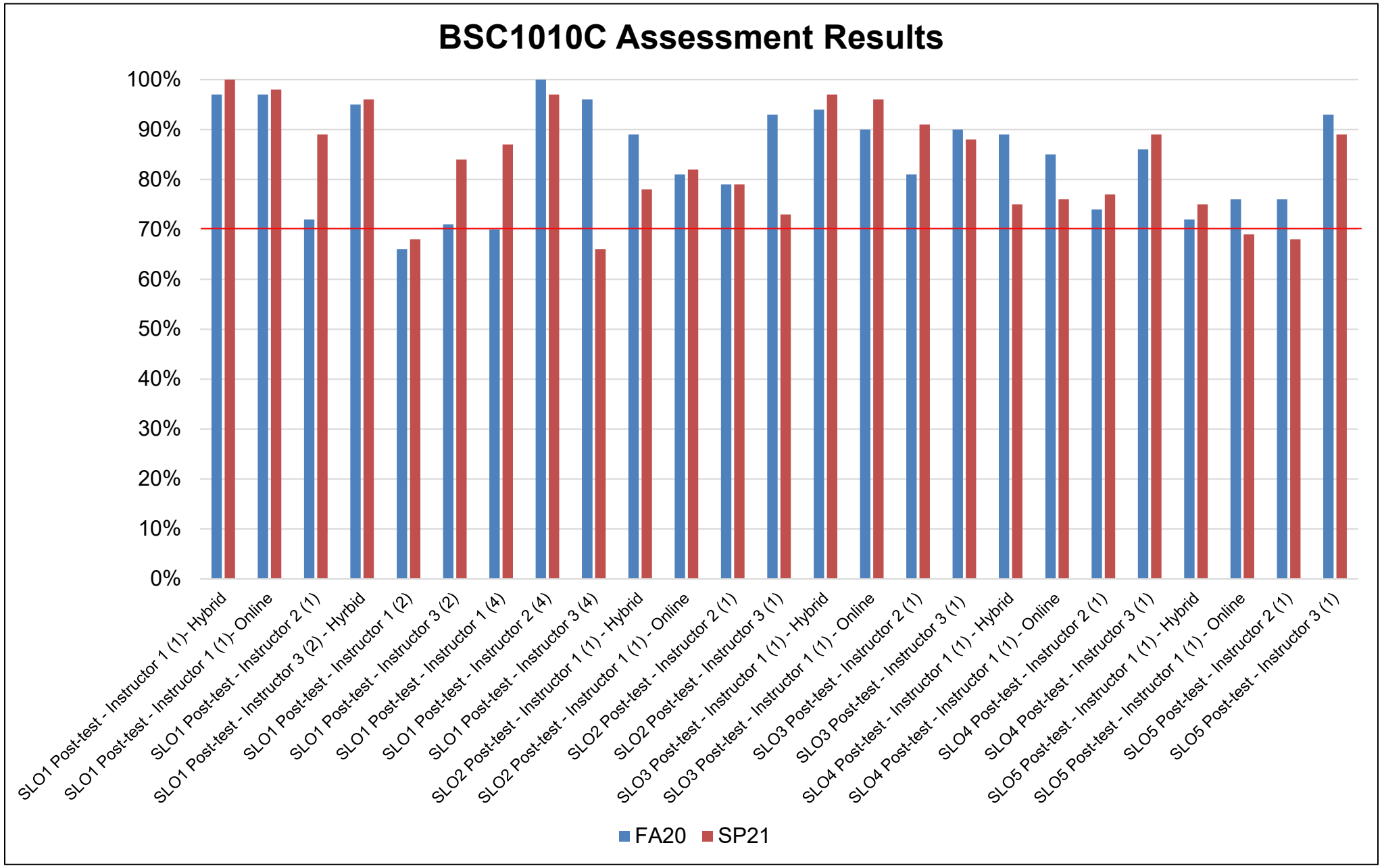
SLO 2: Distinguish between the different types of cells and identify basic cellular structures and their functions. *(2)*

SLO 3: Describe energy and ATP production during the process of cellular respiration and the conversion of light energy into the chemical bonds of sugar during photosynthesis. *(4)*

SLO 4: Describe the structure of DNA, its replication and protein synthesis. *(1)*

SLO 5: Use the principles of Mendelian Genetics to solve problems. *(1)*

Course Assessment Results 2020-2021
BSC1010C



2020-21 Success Rate: 79%

Course Learning Outcomes
BSC1011C

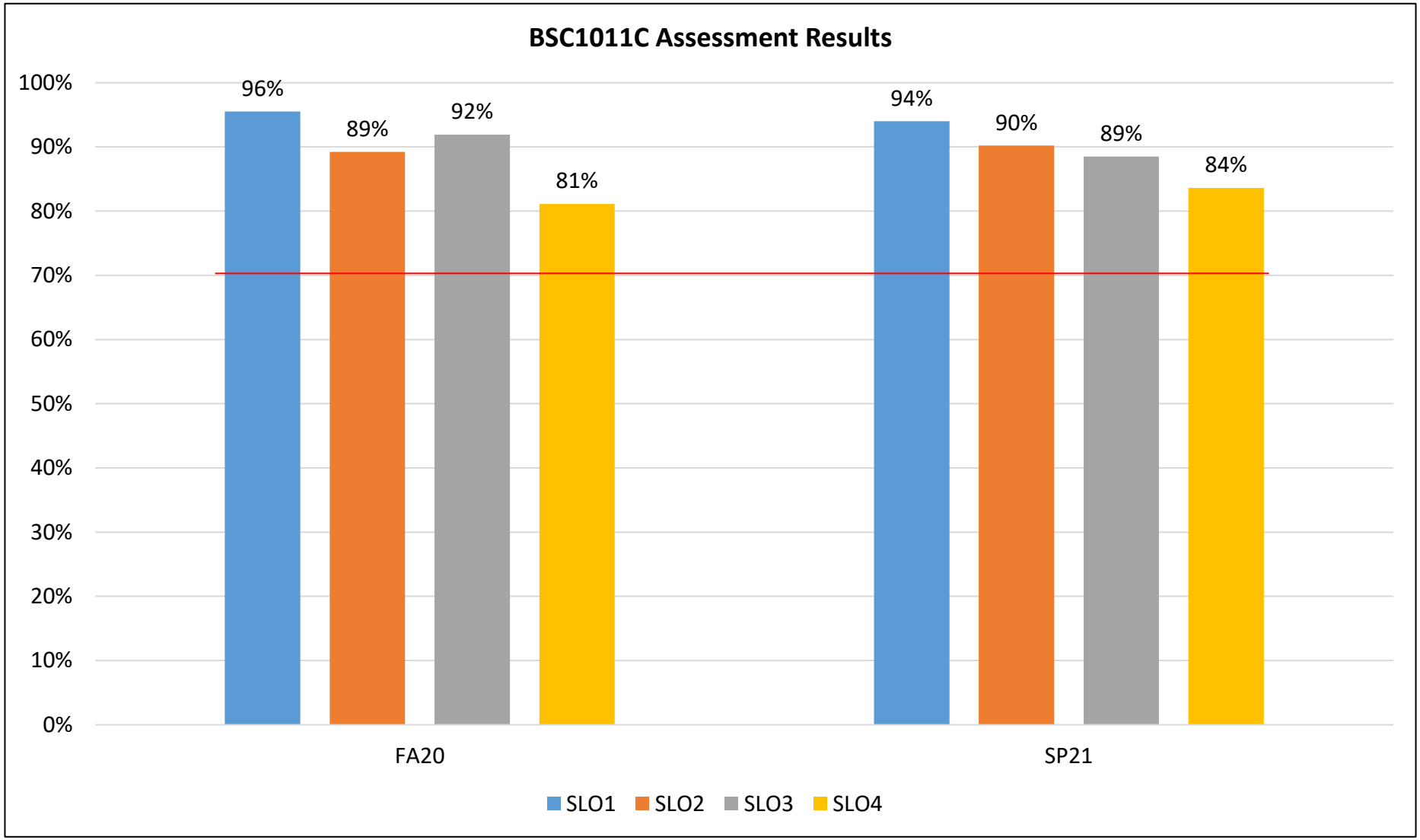
SLO 1: Observe and evaluate the characteristic features of the major phyla. *(1,3,4)*

SLO 2: Observe and analyze the development of the following: eukaryotic cell structure; multicellularity; terrestriality. *(1,4)*

SLO 3: Analyze and evaluate speciation as a continuous process producing transitional taxa. *(1,3,4)*

SLO 4: Analyze the diversity of life in the context of evolutionary theory. *(1,3,4)*

Course Assessment Results 2020-2021
BSC1011C



20120-21 Success Rate: 94%

Results given in averages

Course Learning Outcomes
BSC1020

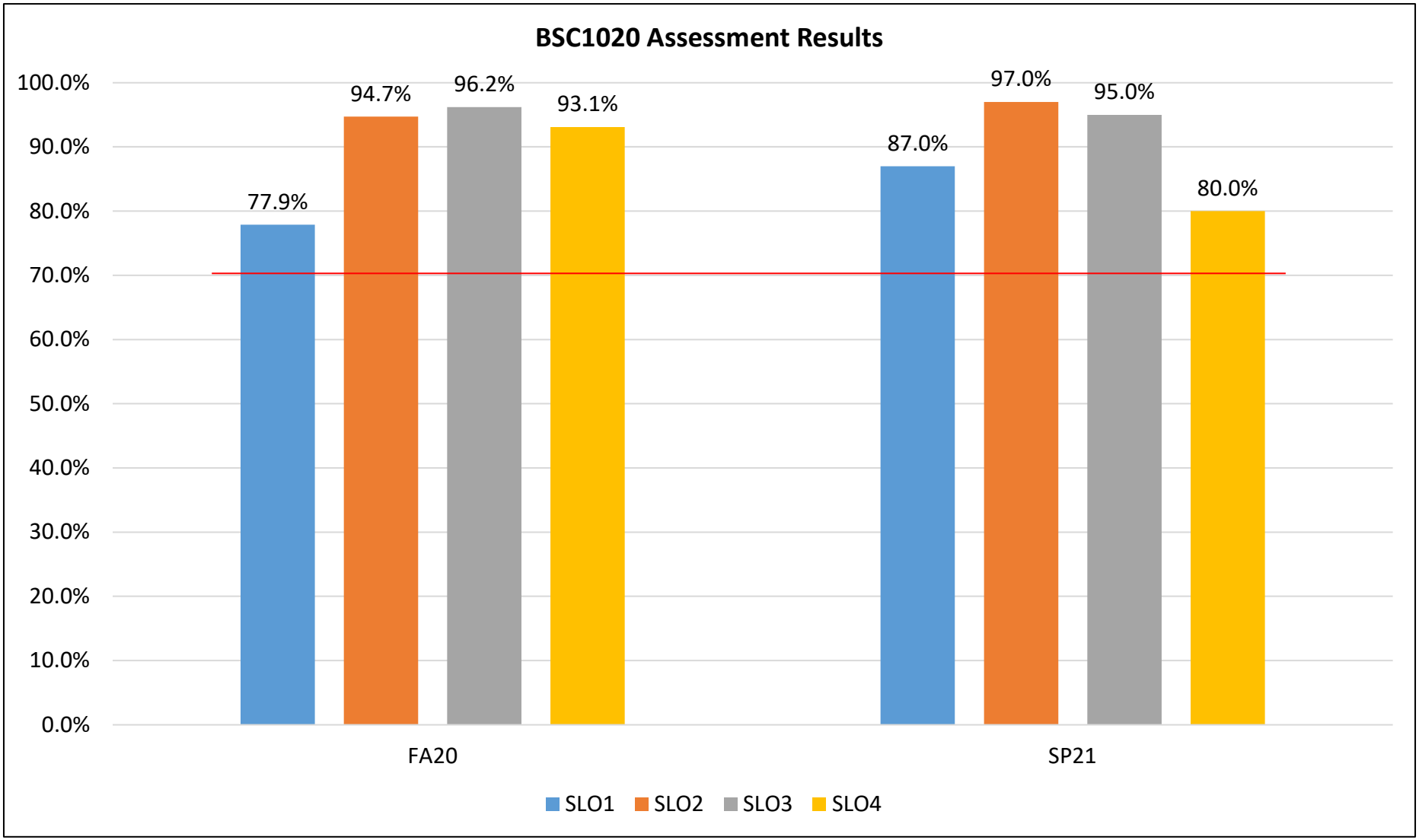
SLO 1: Evaluate the differences between living and nonliving things. *(1)*

SLO 2: Evaluate the major physiological and anatomical characteristics of the human body and present and aspect in oral or written form. *(1,2)*

SLO 3: Evaluate the effects of homeostatic mechanisms on the well-being of the human body and how pathologies affect these mechanisms. *(1,2)*

SLO 4: Evaluate the basic concepts of the cell, cell division and genetics. *(1,2)*

Course Assessment Results 2020-2021
BSC1020



2020-21 Success Rate: 79%

Course Learning Outcomes
BSC1085C

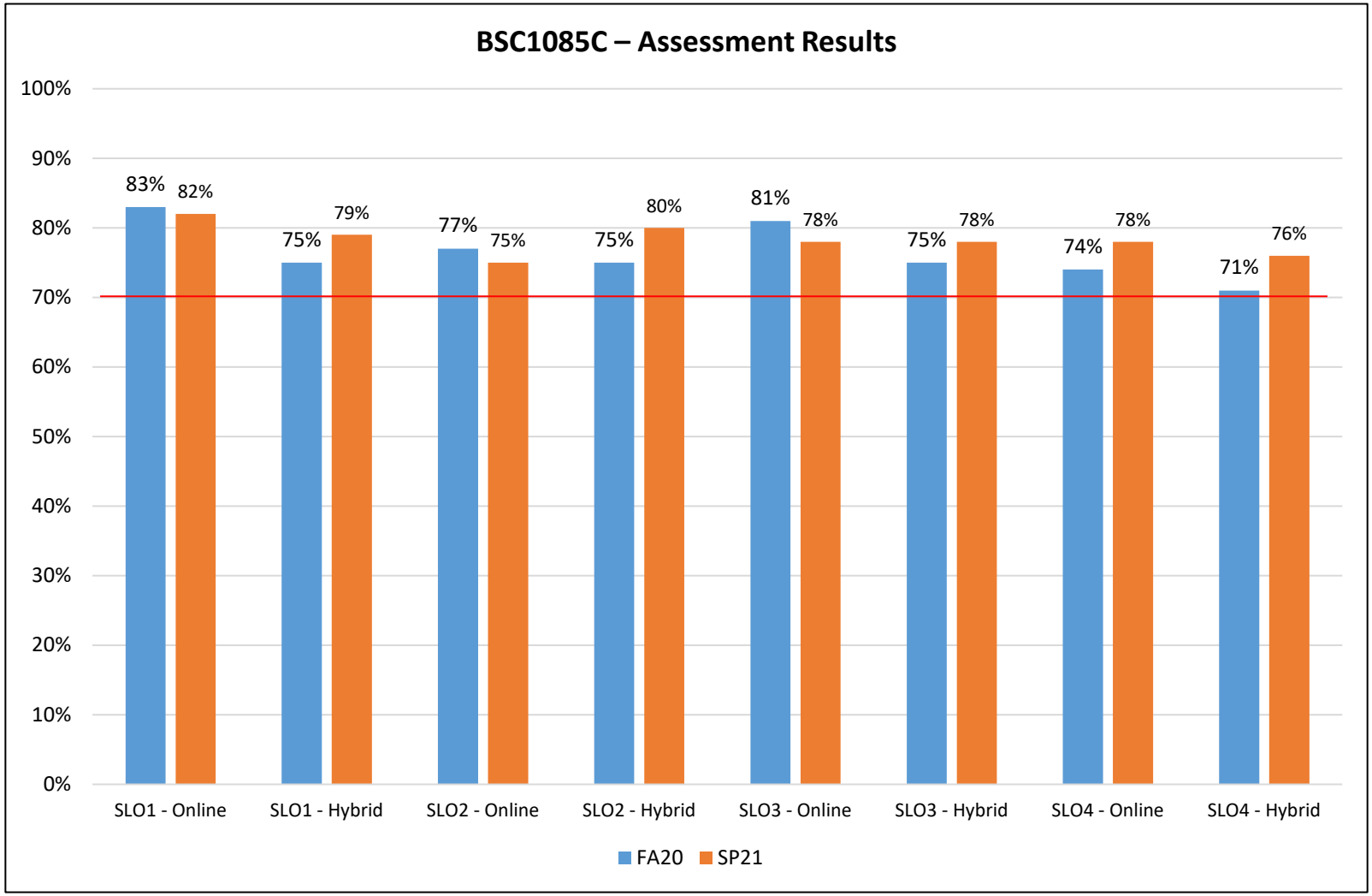
SLO 1: Define and properly use the terminology of human anatomy and physiology. *(4)*

SLO 2: Explain the basic structure and function of the cell. *(4)*

SLO 3: Identify the structures of the integumentary, skeletal, muscular, and nervous systems. *(4)*

SLO 4: Explain the physiology of the integumentary, skeletal, muscular, and nervous systems. *(4)*

Course Assessment Results 2020-2021
BSC1085C



2020-21 Success Rate: 69%

Course Learning Outcomes
BSC1086C

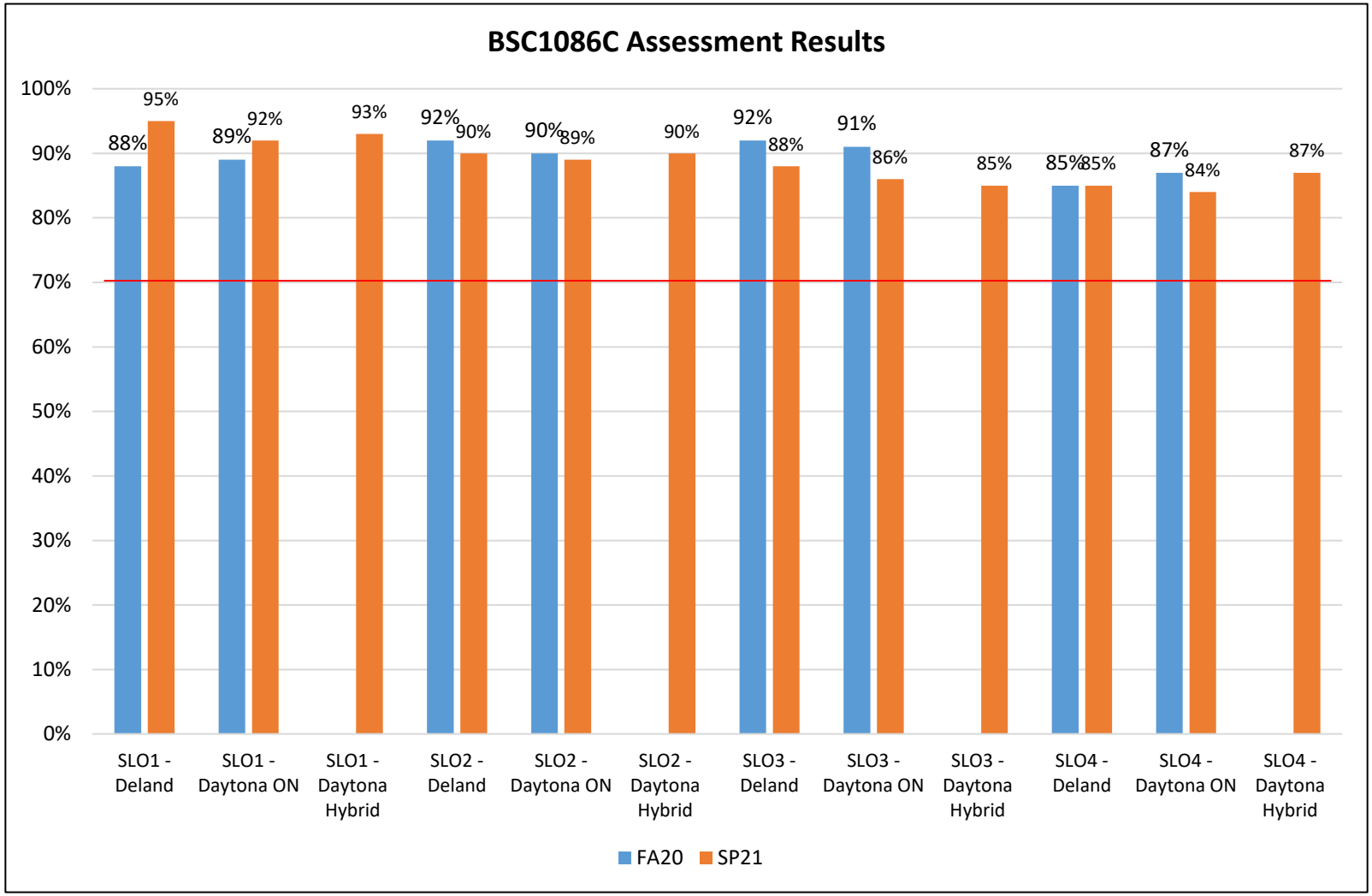
SLO 1: Identify the structures and organs of the ANS, digestive, urinary, circulatory, respiratory, endocrine and reproductive systems. *(4)*

SLO 2: Explain the physiology of the above seven systems. *(4)*

SLO 3: Demonstrate the homeostatic mechanisms of each system. *(4)*

SLO 4: Demonstrate the interrelationships between the systems studied and how they relate to the well-being of the human organism. *(4)*

Course Assessment Results 2020-2021
BSC1086C



2020-21 Success Rate: 85%

Course Learning Outcomes
CHM1020

SLO 1: Demonstrate an understanding of basic chemical concepts, including classification of matter. *(1,2)*

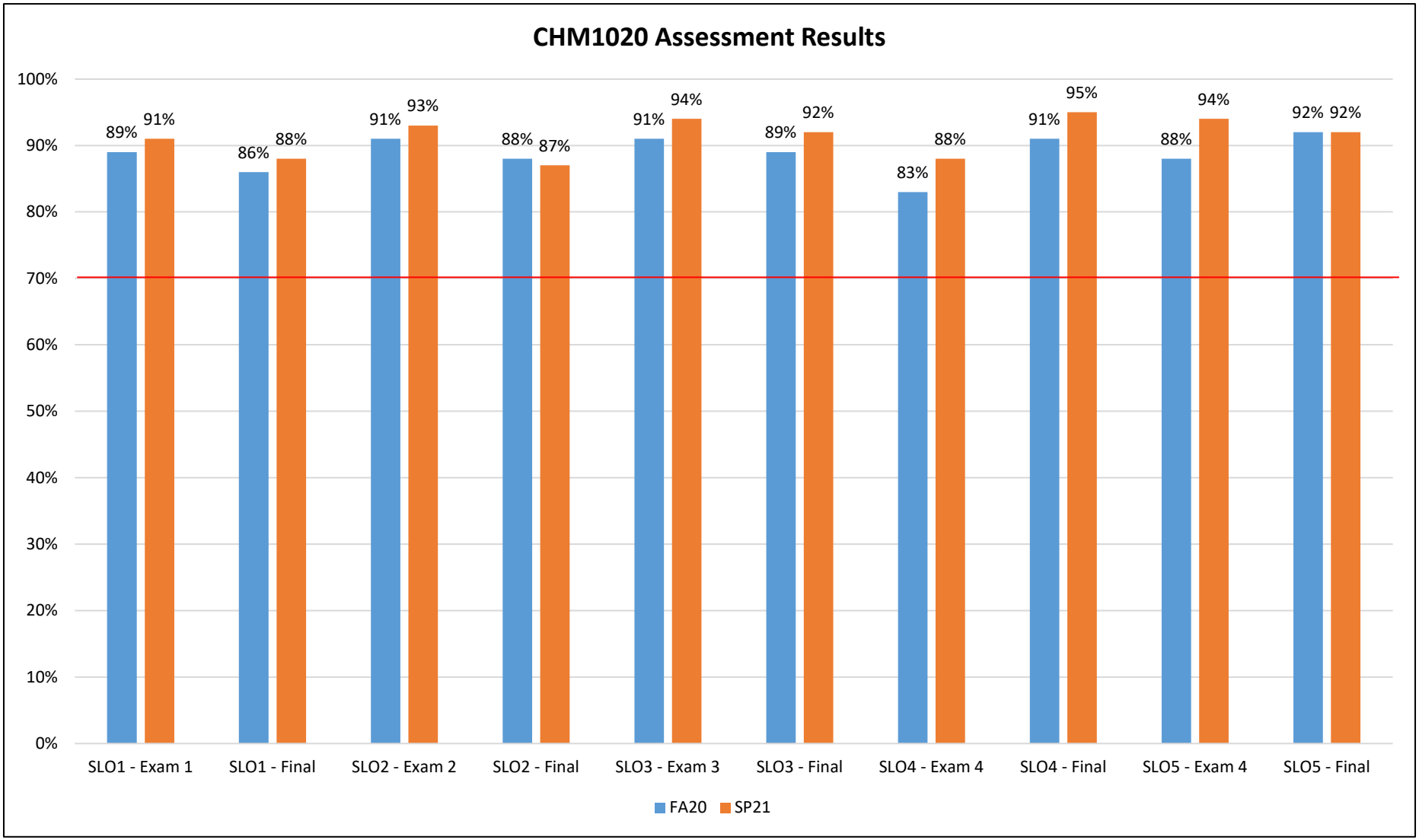
SLO 2: Gain an understanding of the vocabulary of chemistry, which permeates society on food and product labels, climate change, and in the discussion of sustainable energy. *(1)*

SLO 3: Demonstrate the ability to apply chemistry-centered mathematical concepts to real world solutions. *(1)*

SLO 4: Communicate scientific findings clearly and effectively using oral, written or graphic forms. *(1)*

SLO 5: Analyze information from multiple perspectives, including that presented in tabular or graphic format. The student will apply logical reasoning skills in this task. *(1)*

Course Assessment Results 2020-2021
CHM1020



2020-21 Success Rate: 86%

Course Learning Outcomes
CHM1025C

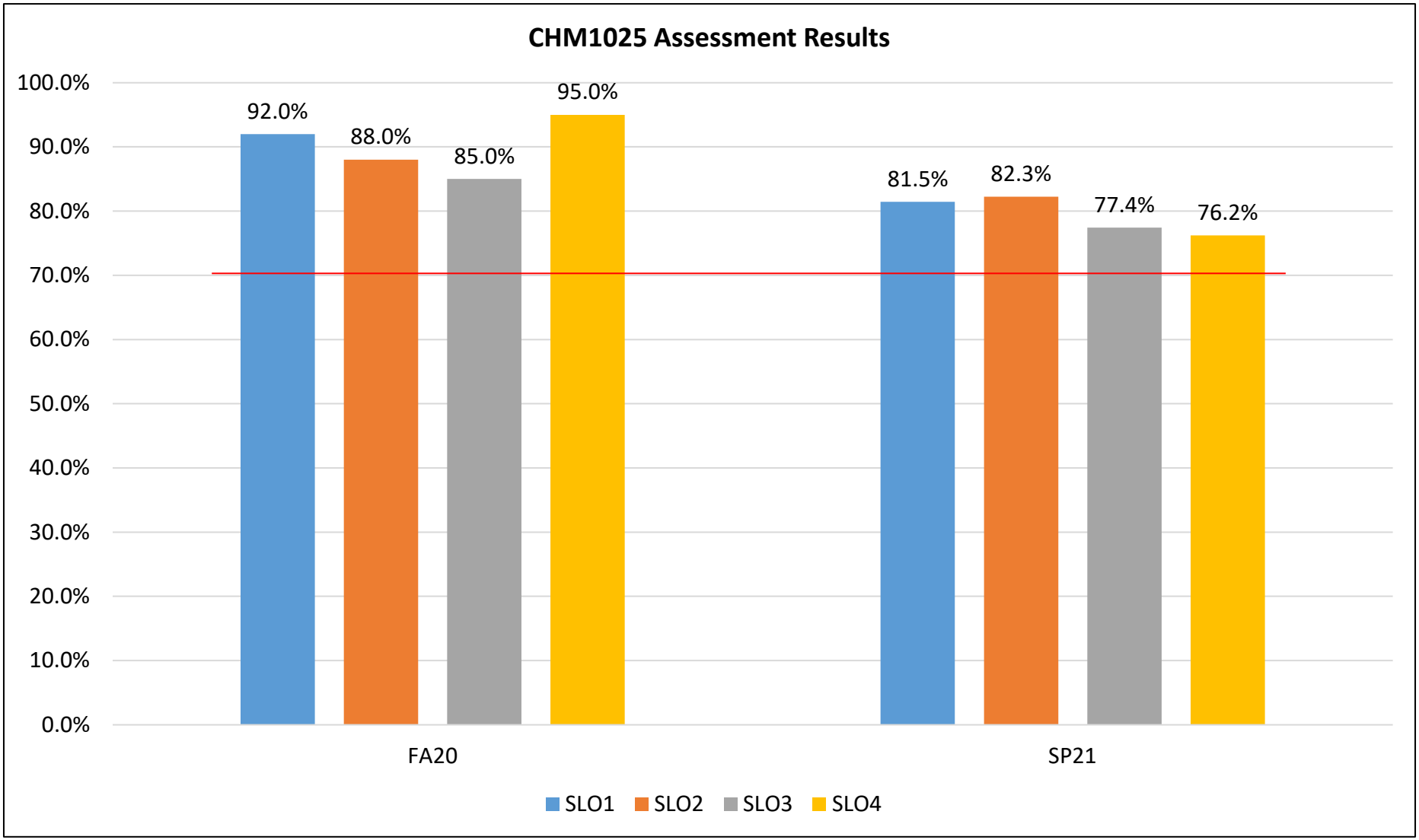
SLO 1: Demonstrate that all measured numbers contain a certain degree of error. *(1,2,4)*

SLO 2: Demonstrate knowledge of the evolution of atomic structure theories. *(1,2)*

SLO 3: Employ basic math techniques to solve common chemistry problems. *(1,2,4)*

SLO 4: Demonstrate basic chemistry vocabulary. *(1,2)*

Course Assessment Results 2020-2021
CHM1025



2020-21 Success Rate: 84%

Course Learning Outcomes
CHM1045C

SLO 1: Perform fundamental calculations such as Molar Mass., Empirical Formula and % Composition. *(1)*

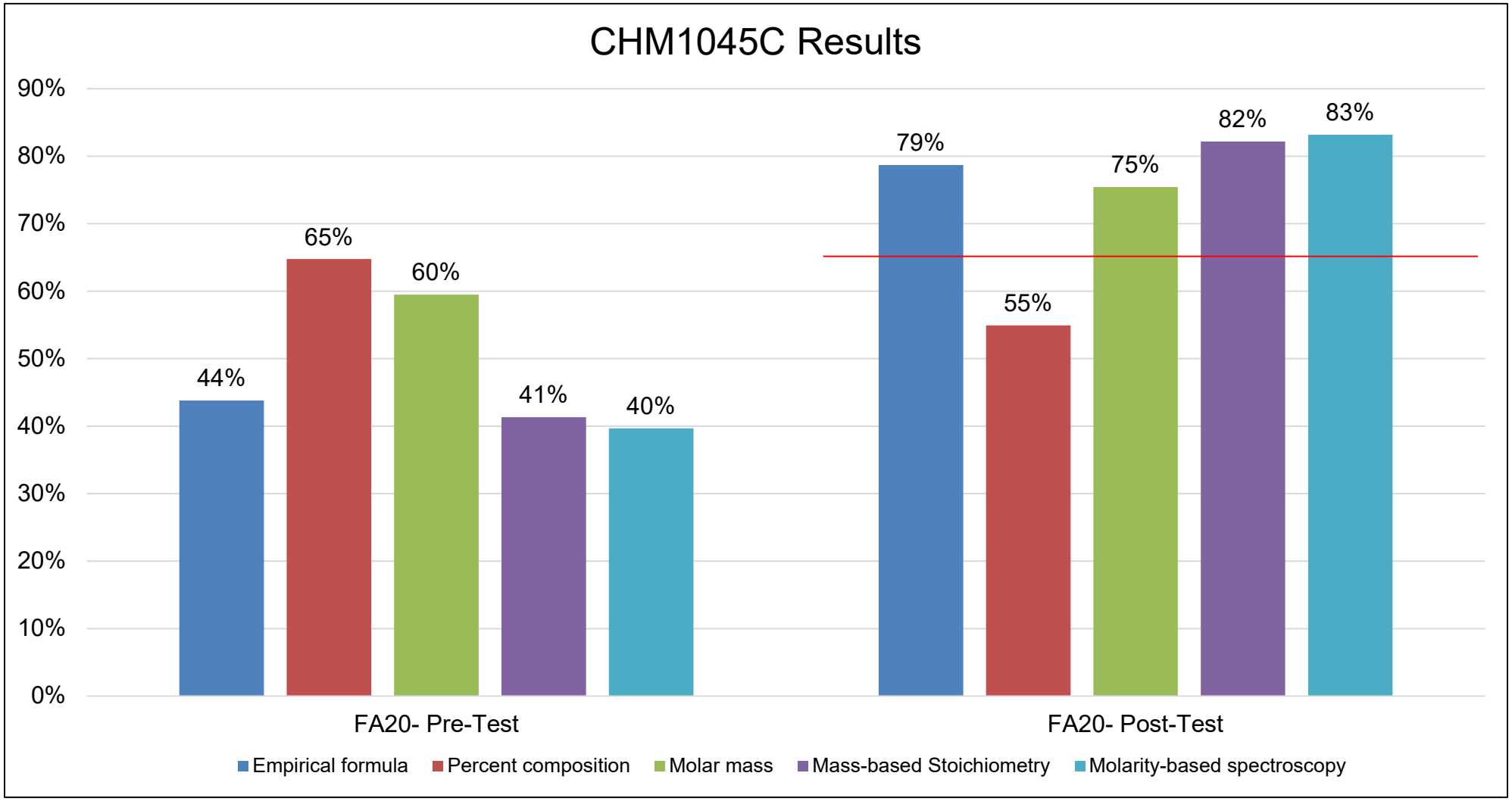
SLO 2: Describe both the gross and fine structures of the atom, with emphasis on correct electron configuration. *(1)*

SLO 3: Balance equations and relate coefficients to stoichiometric calculations involving mass, particles, solution volumes, gas volumes and energy. *(1)*

SLO 4: Use oxidation numbers in the writing of formulas and conversely to frame compounds using correct formulas and oxidation numbers. *(1)*

SLO 5: Discuss chemical bonding of elements. *(1)*

Course Assessment Results 2020-2021
CHM1045C



2020-21 Success Rate: 61%

Course Learning Outcomes
CHM1046C

SLO 1: Discuss the correlation between molecular geometry, interparticle forces, and physical properties like boiling points, vapor pressure and solubility. *(1)*

SLO 2: Calculate values needed to predict colligative properties of mixtures. *(1,4)*

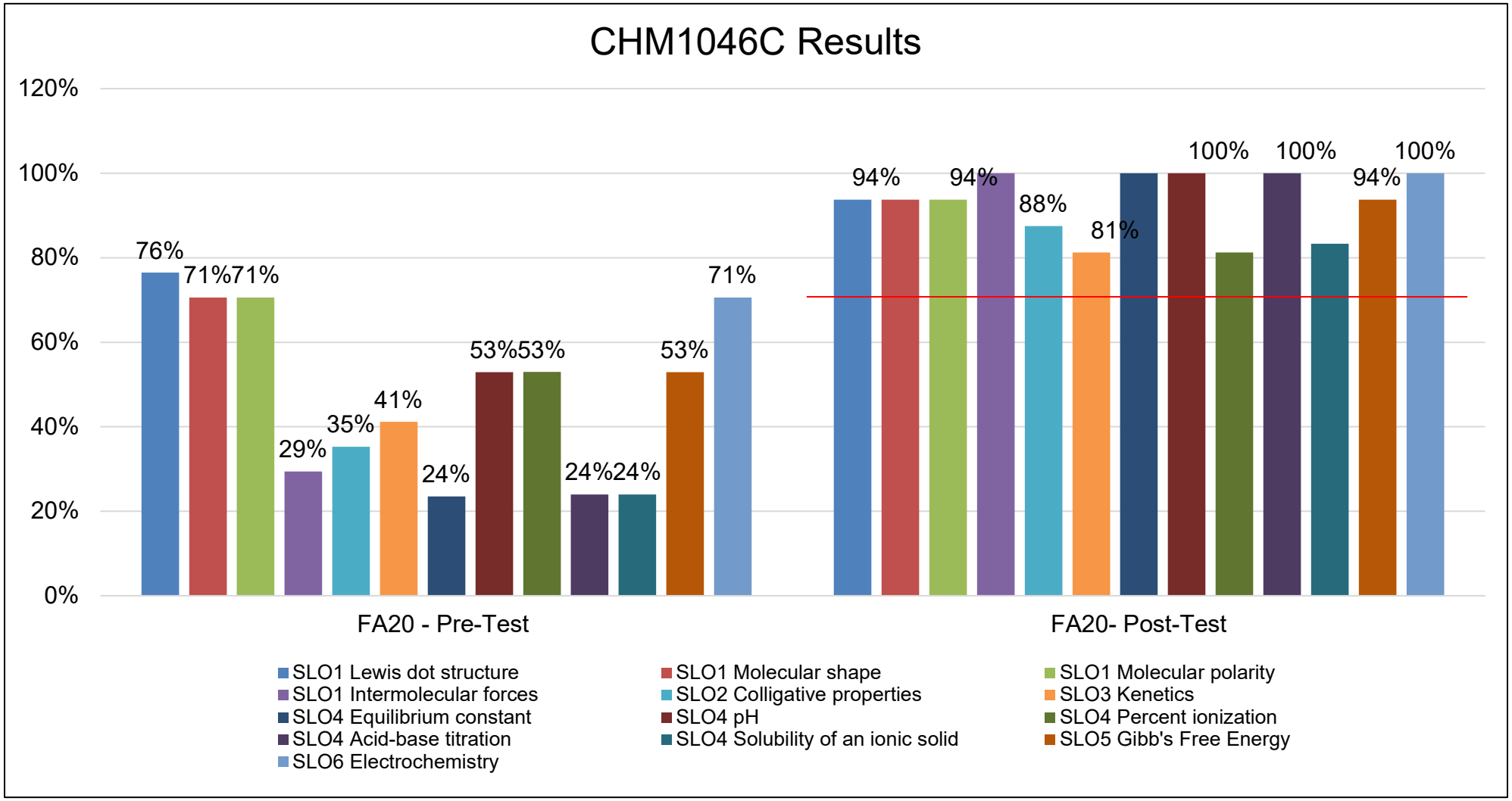
SLO 3: Interpret mathematically and graphically chemical kinetics data to ascertain kinetic and mechanistic information about reactions. *(1,4)*

SLO 4: Manipulate equilibrium constant data for molecular and ionic equilibrium; then use those answers to make predictions about reactions. *(1,4)*

SLO 5: Discuss the relationship of Gibbs Free Energy to Spontaneity and equilibrium constants for chemical reactions. *(1)*

SLO 6: Sketch and perform calculations for both galvanic and electrolytic cells. Relate the results to equilibrium constants and the spontaneity of the cell. *(1)*

Course Assessment Results 2020-2021
CHM1046C



2020-21 Success Rate: 72%

Course Learning Outcomes
CHM2210

SLO 1: Identify the major functional groups. *(1,2)*

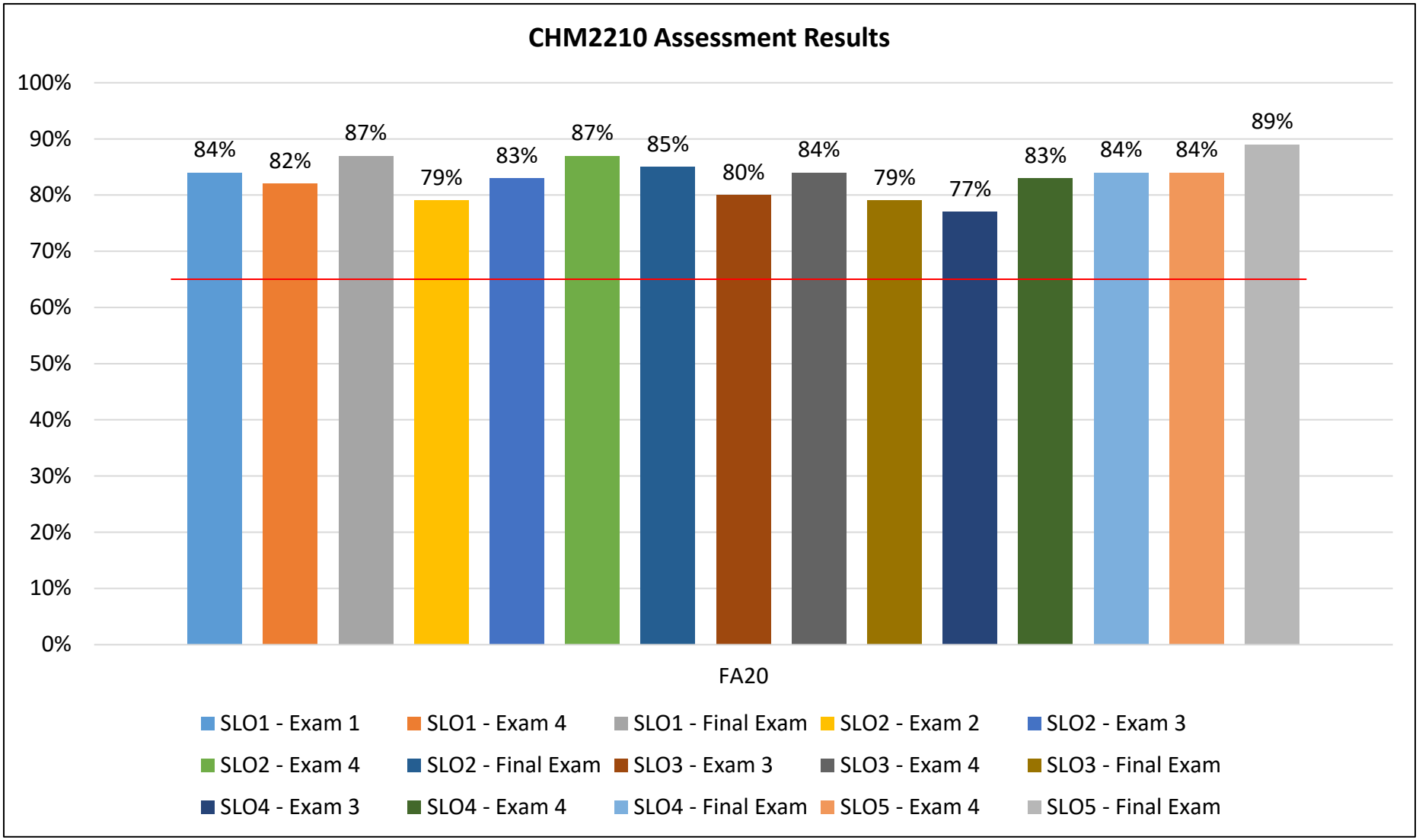
SLO 2: Identify the products of chemical reactions of the functional groups covered. *(1)*

SLO 3: Apply an understanding of chemical reactions to multi-step synthesis of organic compounds. *(1)*

SLO 4: Apply the concepts of stereochemistry to organic reactions. *(1)*

SLO 5: Identify compounds on the basis of the evidence of spectroscopic tests. *(1)*

Course Assessment Results 2020-2021
CHM2210



2020-21 Success Rate: 100%

Results given in average

Course Learning Outcomes
CHM2211

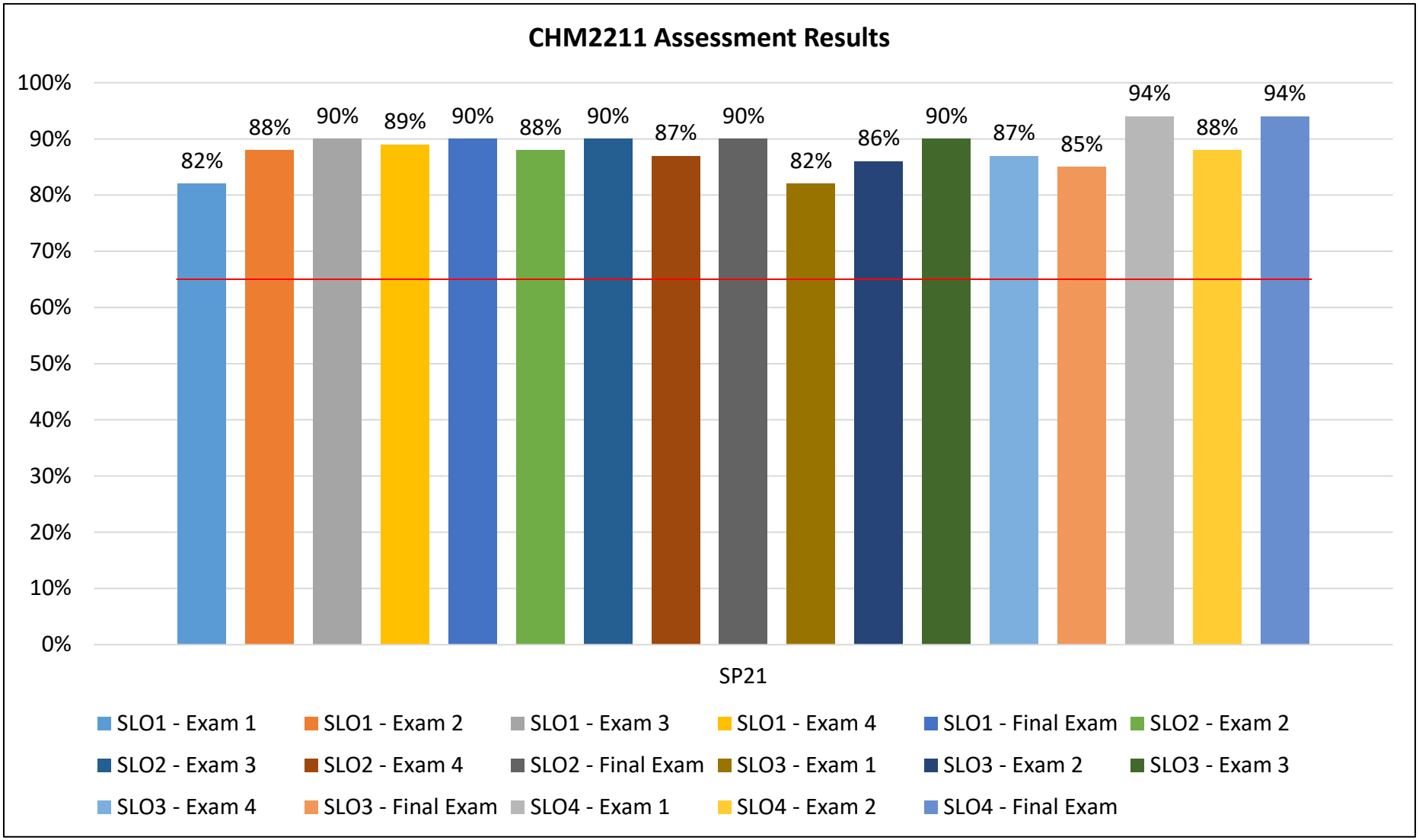
SLO 1: Identify the products of chemical reactions of the functional groups covered in the course. *(1,2)*

SLO 2: Apply an understanding of chemical reactions to multi-step synthesis of organic compounds. *(1)*

SLO 3: Use the concept of resonance and inductive effect to predict chemical behavior. (1)

SLO 4: Identify the structure of organic compounds on the basis of spectral evidence. *(1)*

Course Assessment Results 2020-2021
CHM2211C



2020-21 Success Rate: 91%

Results given in average

Course Learning Outcomes
EVR2001

SLO 1: Explain that the Earth is one interconnected physical and natural system that changes over time and space. *(1, 2)*

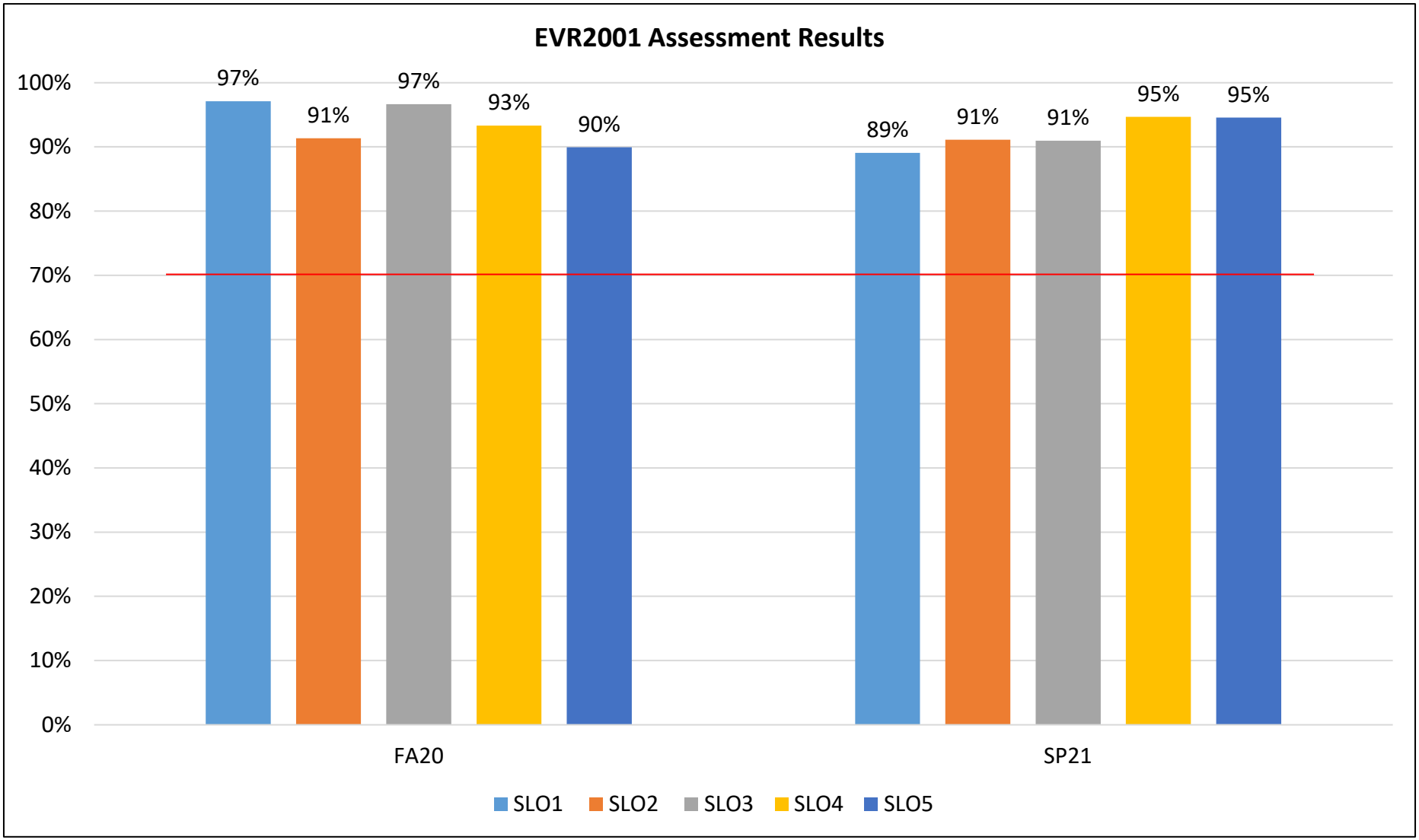
SLO 2: Discuss and explain environmental issues in both a cultural and social context. *(1, 2)*

SLO 3: Identify and quantify specific types of pollution, specific pressures on natural resources, and ways to limit the pollution or pressure on natural resources by refusing, reducing, reusing, and recycling. *(1, 2)*

SLO 4: Compare and contrast the ability of Earth's natural biogeochemical systems to recover from selected disturbances. *(1)*

SLO 5: Analyze the effect of human activities, geologic processes, and climate change on populations and the earth's resources over time. *(1)*

Course Assessment Results 2020-2021
EVR2001



2021-20 Success Rate: 75%

Course Learning Outcomes
EVR2630

SLO 1: Apply federal, state, and local laws as it applies to hazardous waste assessment and management. (*1, 2, 4)*

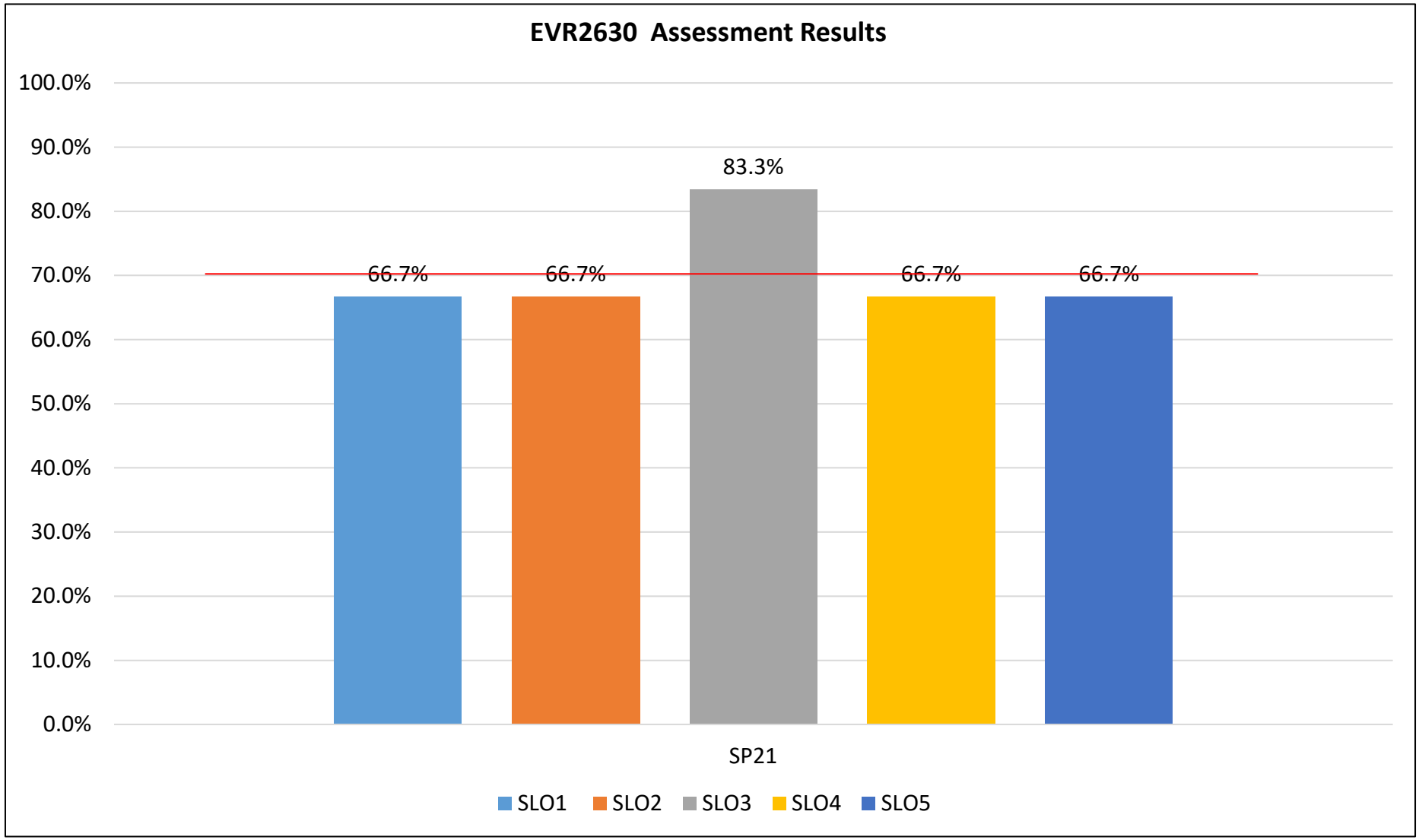
SLO 2: Explain the basic framework for environmental toxicology in terms of bioaccumulation/biotransformation/biodegradation and be able to relate these to dose response curves and community effects. *(1, 2, 3, 4)*

SLO 3: Explain routes of exposure and demonstrate how to use Materials Safety Data Sheet (MSDS) for determining self-protection and likely level of contamination when explaining modes of action. *(1, 2, 4)*

SLO 4: Conduct a mock hazardous site assessment using checklists provided by the Environmental Protection Agency (EPA). *(1, 2, 4)*

SLO 5: Demonstrate activation, implementation, and control of an “onsite” hazmat emergency. *(1, 2, 3, 4)*

Course Assessment Results 2020-2021
EVR2630



2020-21 Success Rate: 67%

Course Learning Outcomes
EVR2647

SLO 1: Complete an ASTM Environmental Site Assessment Standard Practices for the Phase I Site Assessment and understand the Transaction Screen Process (E1527 and E1528). *(1, 2, 4)*

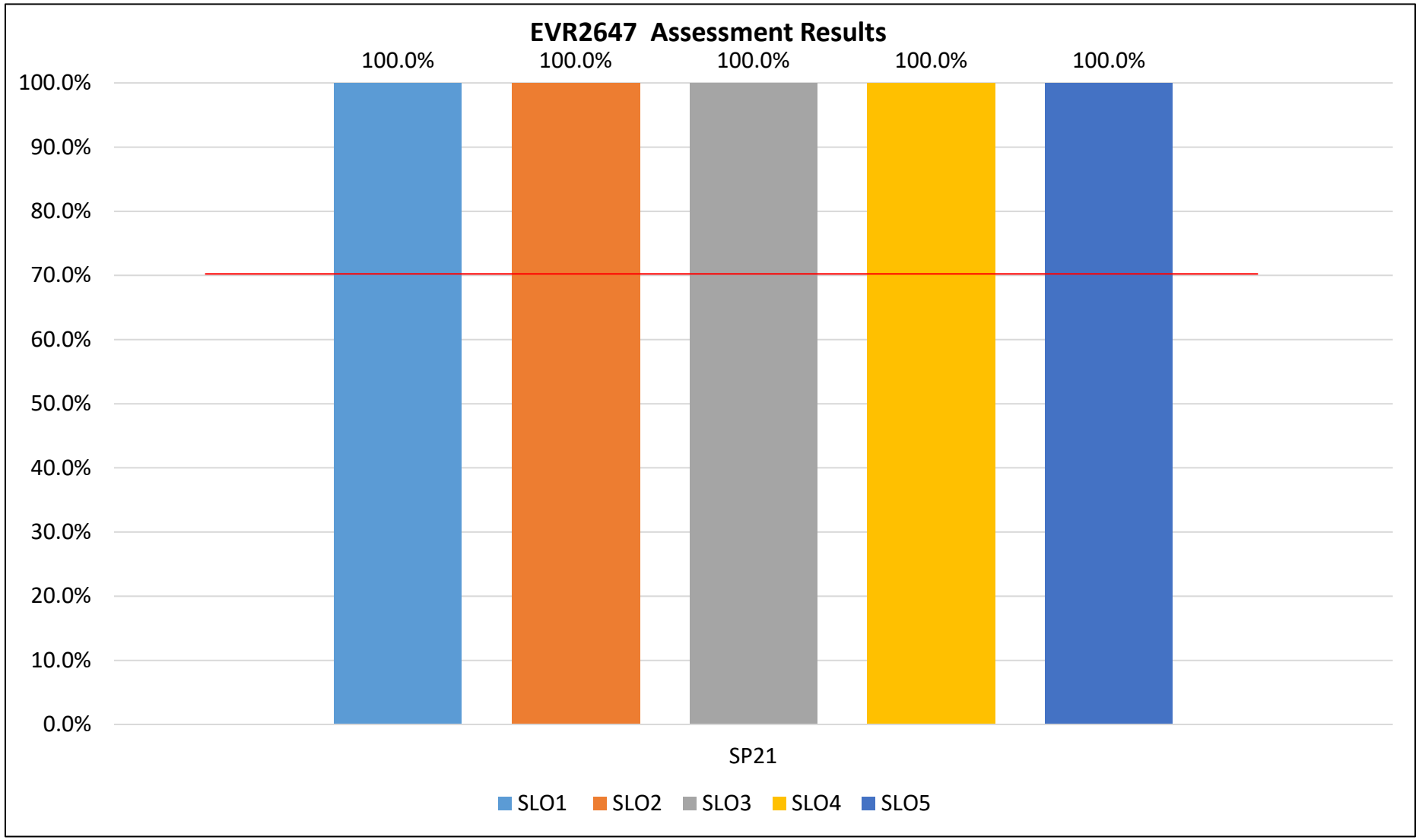
SLO 2: Demonstrate how to properly plan and perform Phase II investigations using ASTM E1903 Standard Guide for Phase II Environmental Site Assessments. *(1, 2, 4)*

SLO 3: Explain the "Innocent Landowner Defense" under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), and why due diligence is necessary. *(1, 2, 4)*

SLO 4: Discuss various approaches used in the Phase II process to generate additional information regarding the identification and nature of potential contaminants associated with Recognized Environmental Conditions (RECs) identified during the Phase I Processes to assist in making informed business decisions concerning commercial real estate transactions. *(1, 2, 4)*

SLO 5: Conduct an ASTM Environmental Site Assessment for the Phase I and II hazardous site assessments. *(1, 2, 4)*

Course Assessment Results 2020-2021
EVR2647



2020-21 Success Rate: 100%

Course Learning Outcomes
EVR2861

SLO 1: Identify major policy issues in environmental law including federal, state, and local approaches to environmental regulation. *(1, 2, 3)*

SLO 2: Evaluate historical and contemporary approaches to environmental regulations. *(1, 3)*

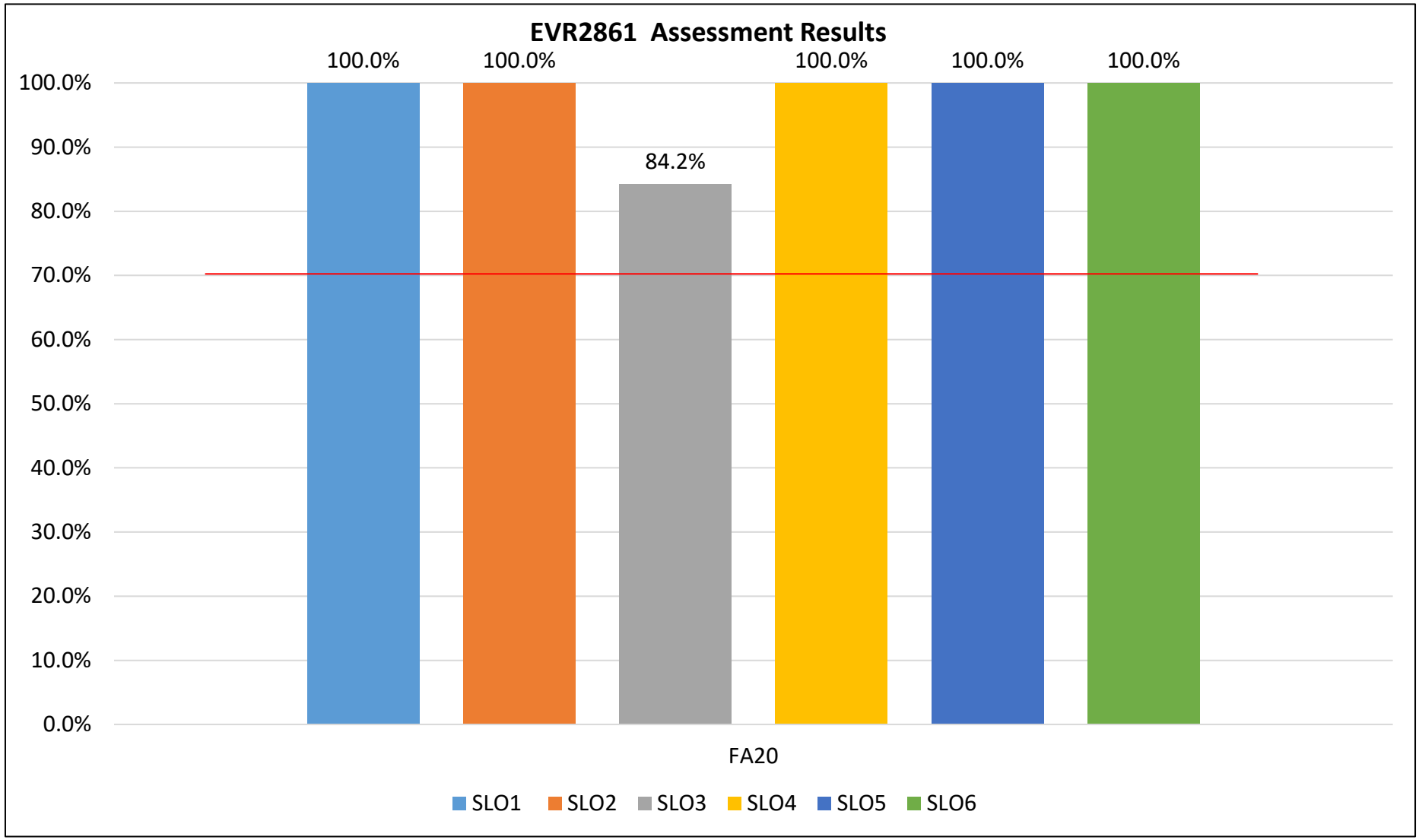
SLO 3: Apply legal standards of environmental laws to specific regulation, factual circumstances. *(1, 2, 3, 4)*

SLO 4: Describe the concept of the process model of public policy development. *(1, 2)*

SLO 5: Generalize the conceptual structure and underlying rationale of environmental policies and regulations in the U.S. along with the practical features of policy implementation. *(1, 2)*

SLO 6: Evaluate public policies and the scientific basis of those policies, considering relative advantages and disadvantages for particular applications and for the particular stakeholders affected by applied policies and regulations. *(1, 2, 3)*

Course Assessment Results 2020-2021
EVR2861



2020-21 Success Rate: 70%

Course Learning Outcomes
EVR2943

SLO 1: Secure information about a job and conduct a job search. *(2, 4)*

SLO 2: Identify documents that may be required when applying for a job and complete a job application. *(1,2.4)*

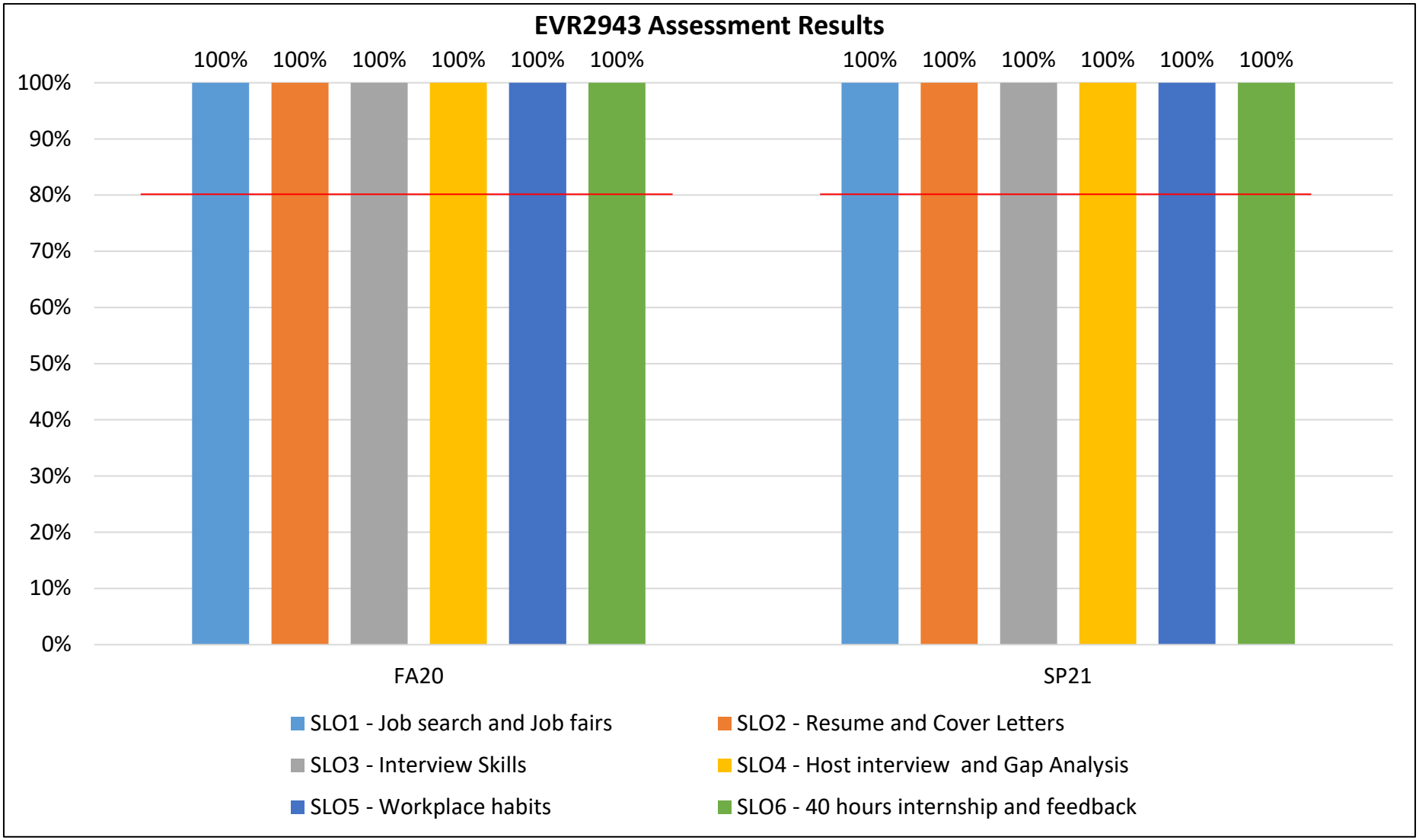
SLO 3: Demonstrate competence in job interview techniques. *(1, 2,4)*

SLO 4: Identify or demonstrate appropriate responses to criticism and instruction from employer, supervisor, or other persons. *(1)*

SLO 5: Identify acceptable work habits. *(1)*

SLO 6: Demonstrate the ability to test theory learned in the classroom with an actual working situation and discover the value of work and the rewards of accomplishment. *(1, 3)*

Course Assessment Results 2020-2021
EVR2943



2020-21 Success Rate: 82%

Course Learning Outcomes
EVS2026

SLO 1: Describe the structure and function of aquatic ecosystems. *(1, 2)*

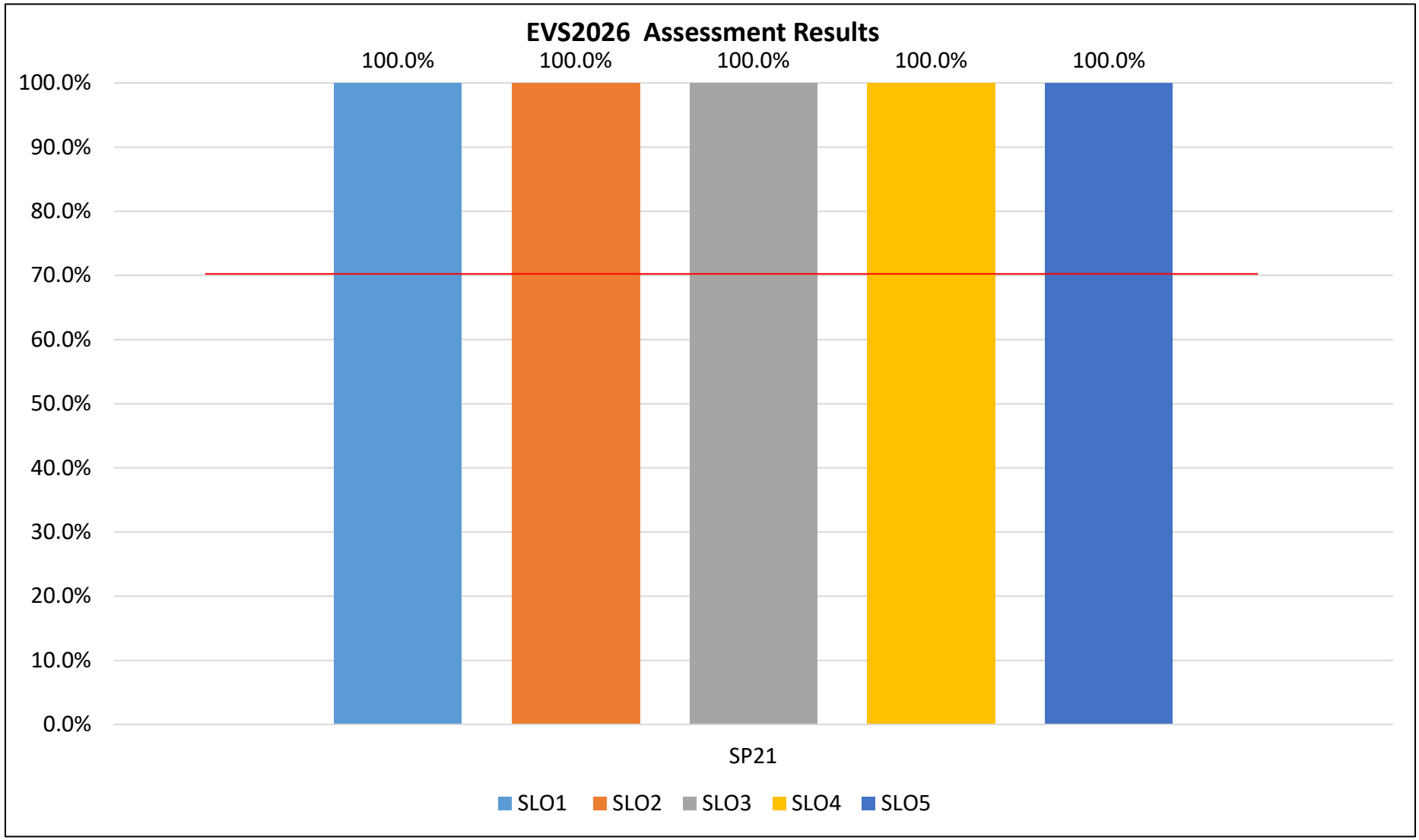
SLO 2: Apply fundamental principles of aquatic chemistry and biology in relation to their importance to ecosystems of the Earth. *(1, 2)*

SLO 3: Identify the connections between human impacts and natural processes that links the characteristics of aquatic ecosystems and the sustainability of water resources in relation to human needs and natural ecosystem function. *(1, 2)*

SLO 4: Describe and use techniques for measuring the characteristics of aquatic ecosystems. *(1, 2,4)*

SLO 5: Interpret and present data collected on natural ecosystems. *(1, 2, 4)*

Course Assessment Results 2020-2021
EVS2026



2020-21 Success Rate: 70%

Course Learning Outcomes
GLY2010C - No report

SLO 1: Describe the origin and formation of the earth in relation to the origin of the universe and the solar system. *(1,2,4)*

SLO 2: Explain the basic structure of the earth and the nature of solid earth materials. *(1,2,4)*

SLO 3: Describe the physical processes that operate to reshape our dynamic planet. *(1,2,4)*

SLO 4: Explain the concept of geologic time and be familiar with the geologic time scale. *(1,2,4)*

SLO 5: Identify the causes of geologic hazards such as earthquakes, volcanic eruptions, landslides ad floods, and how the effects of these hazards can be mitigated. *(1,2,4)*

Course Learning Outcomes
MCB1010C

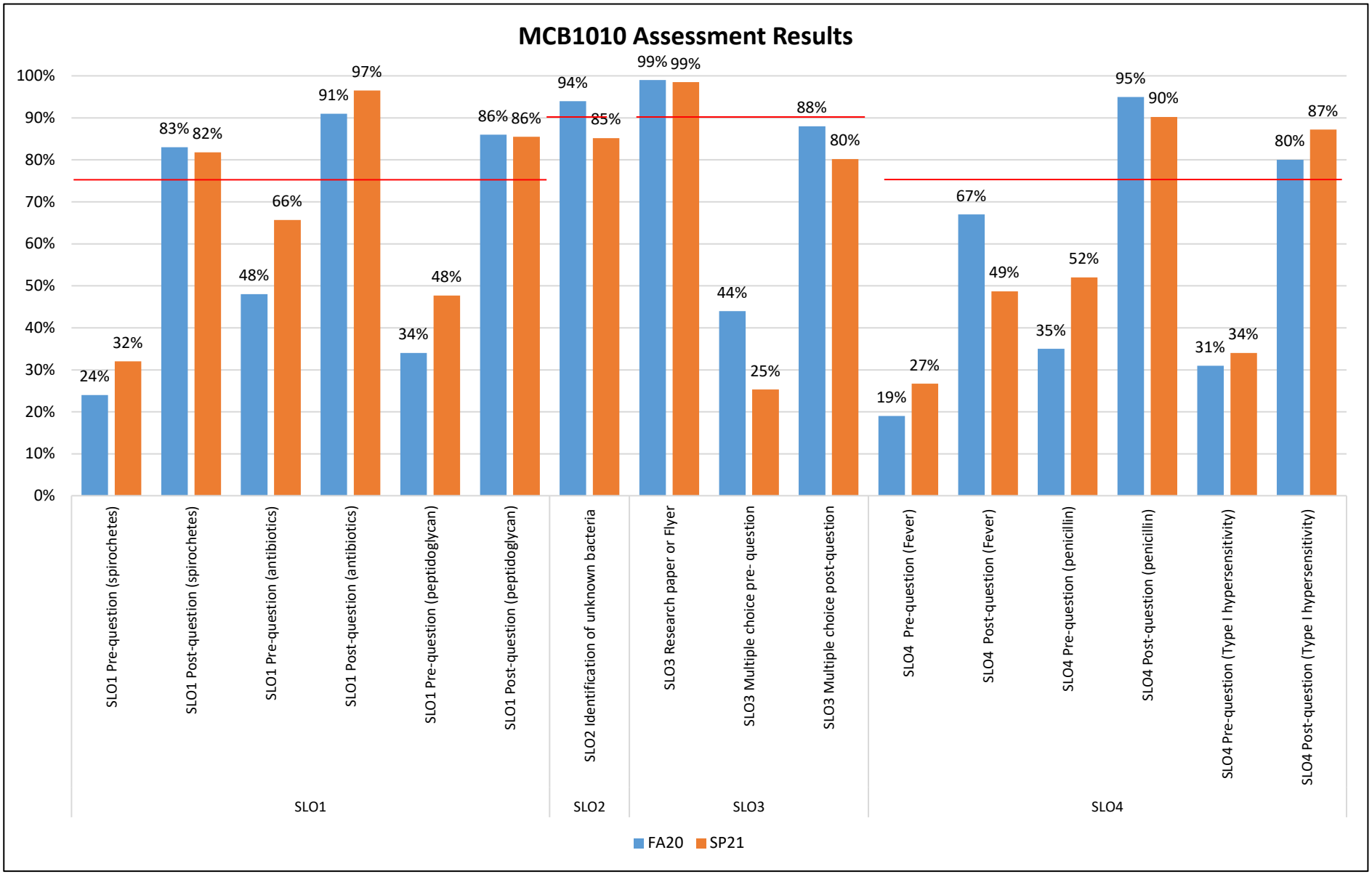
SLO 1: Describe morphological and structural features of bacteria and its function in the organism. *(1)*

SLO 2: Operate the microscope to observe bacteria stained with various staining procedures. *(1)*

SLO 3: Describe how infectious agents may be transmitted to a host and how they may cause disease. *(1,2,4)*

SLO 4: Describe the nonspecific and specific immune host responses to an infectious agent. *(1)*

Course Assessment Results 2020-2021
MCB1010C



2020-21 Success Rate: 90%

Course Learning Outcomes
OCB2000

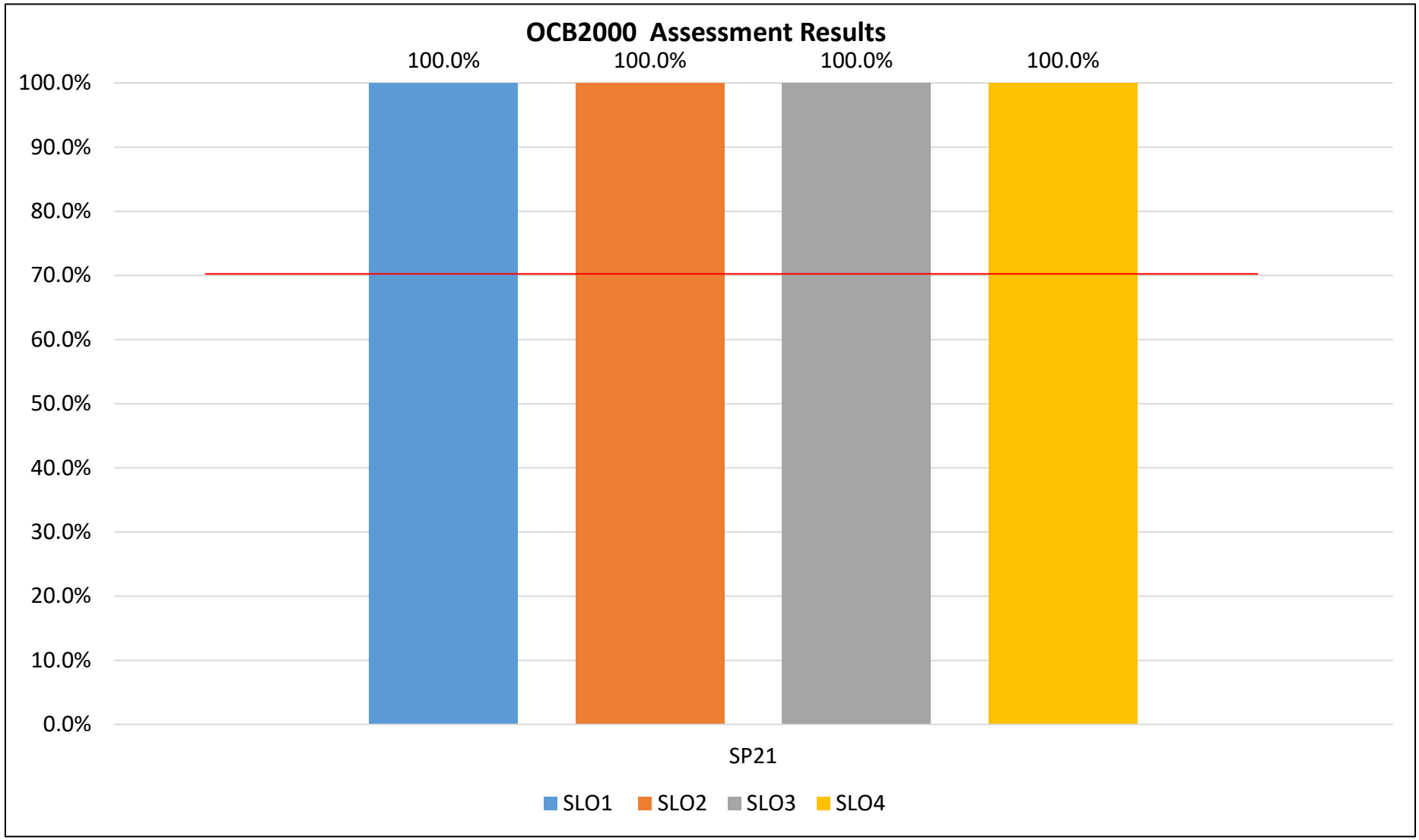
SLO 1: Analyze and evaluate the effects of plate tectonics on the dynamics of the ocean basins, and planetary effects on tides and currents. *(1, 2, 4)*

SLO 2: Identify the chemical and physical properties of seawater, and evaluate their effects on living cells. *(1,2, 4)*

SLO 3: Observe, analyze, and evaluate the characteristics of the major phyla of marine bacteria, protists, fungi, plants, and animals. *(1, 2, 4)*

SLO 4: Observe, analyze, and evaluate the physical and biological characteristics of the major marine ecosystems: estuarine, intertidal, reef, shelf, epipelagic, and deep sea. *(1, 2, 3, 4)*

Course Assessment Results 2020-2021
OCB2000



2020-21 Success Rate: 89%

Course Learning Outcomes
OCE1001

SLO 1: Identify Earth's oceans ad their major features on a map of the world. *(1,2)*

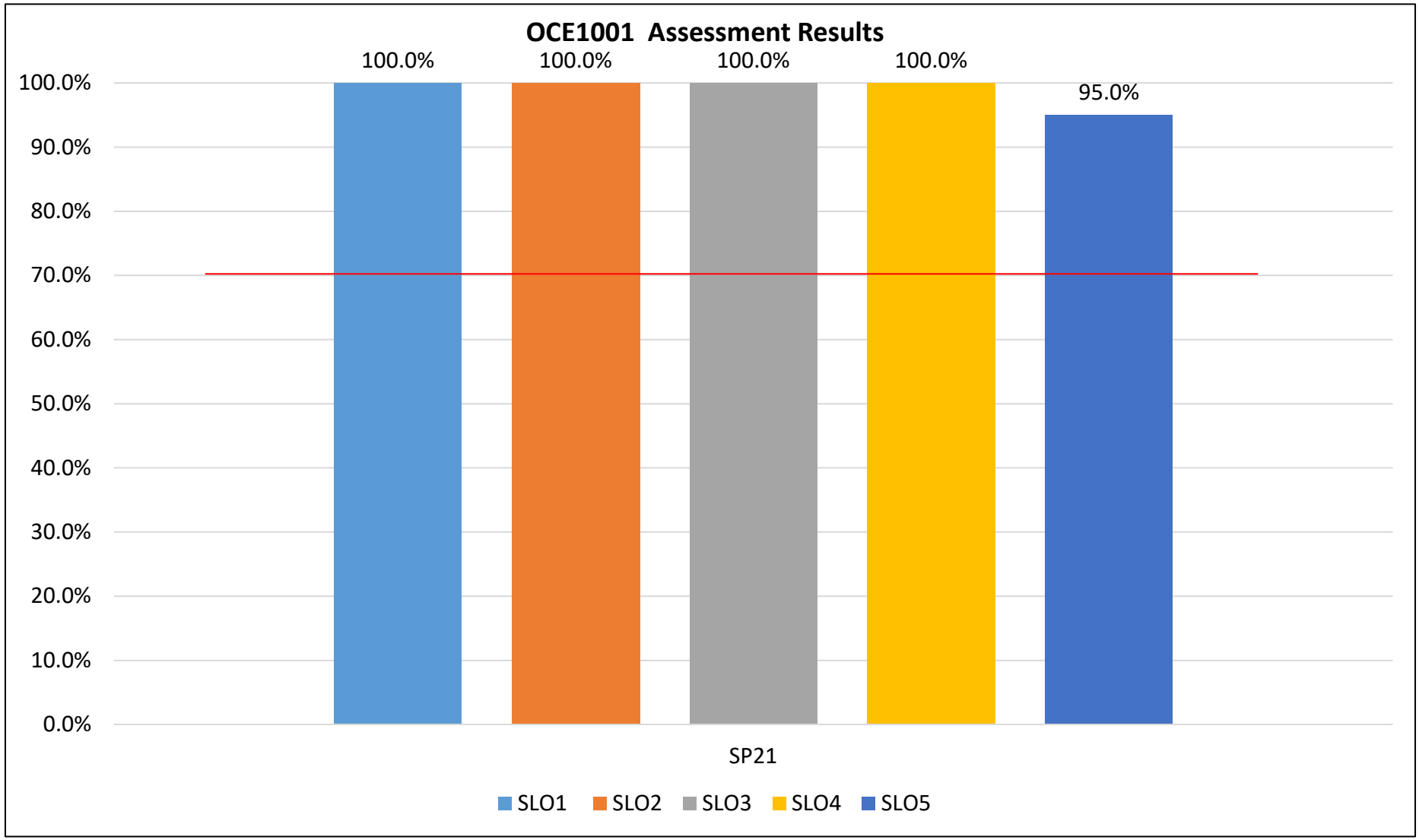
SLO 2: Explain plate tectonics and the features of the sea floor including the sediments, rocks and mineral deposits. *(1,2,3)*

SLO 3: Explain the chemical and physical properties of seawater. *(1,2,4)*

SLO 4: Evaluate the coupling effects of ocean and atmosphere. *(1,2,3,4)*

SLO 5: Distinguish types of ocean currents and the causes and nature of tides and waves. *(1,2,3,4)*

Course Assessment Results 2020-2021
OCE1001



2020-21 Success Rate: 79%

Course Learning Outcomes
PCB2033

SLO 1: Define terminology associated with ecological issues. *(4)*

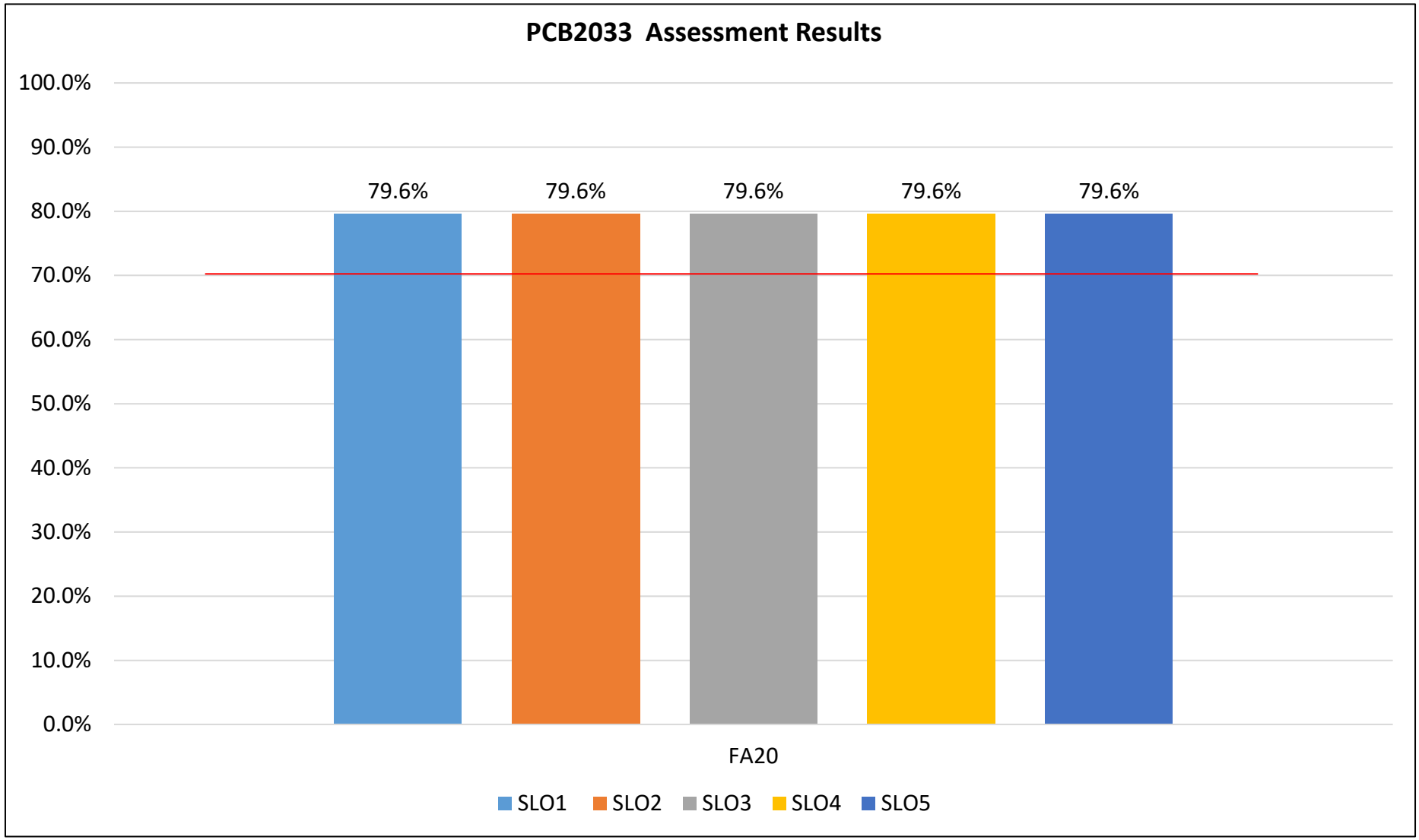
SLO 2: Discuss biotic and abiotic factors of population growth and regulation. *(4)*

SLO 3: Describe influences of competition and strategies on community structure. *(4)*

SLO 4: Diagram energy flows and nutrient cycles through common ecosystems. *(4)*

SLO 5: Assess human impacts on selected ecosystems. *(4)*

Course Assessment Results 2020-2021
PCB2033



2020-21 Success Rate: 100%

Results given in average

Course Learning Outcomes
PCB3034

SLO 1: Use the vocabulary of ecology to define ecological issues. *(4)*

SLO 2: Interpret adaptation as a genetic response to interaction with the physical and biological environment. *(4)*

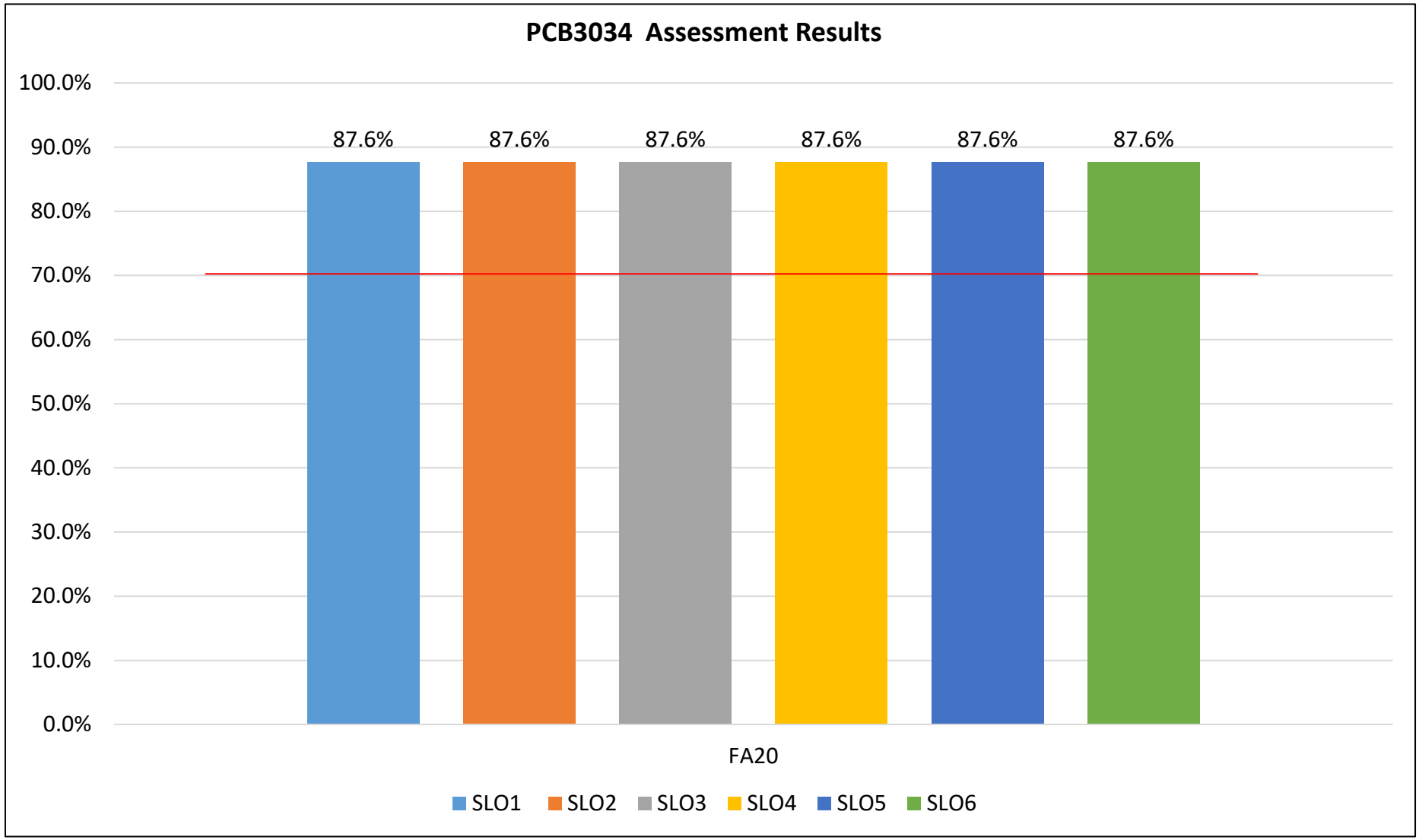
SLO 3: Discuss population growth and regulation by biotic and abiotic factors. *(4)*

SLO 4: Diagram energy flow and nutrient cycles through common ecosystems. *(4)*

SLO 5: Assess human impacts on select ecosystems. *(4)*

SLO 6: Apply the scientific method to the resolution of ecological problems. *(1, 3)*

Course Assessment Results 2020-2021
PCB3034



2020-21 Success Rate: 100%

Results given in average

Course Learning Outcomes
PCB3060

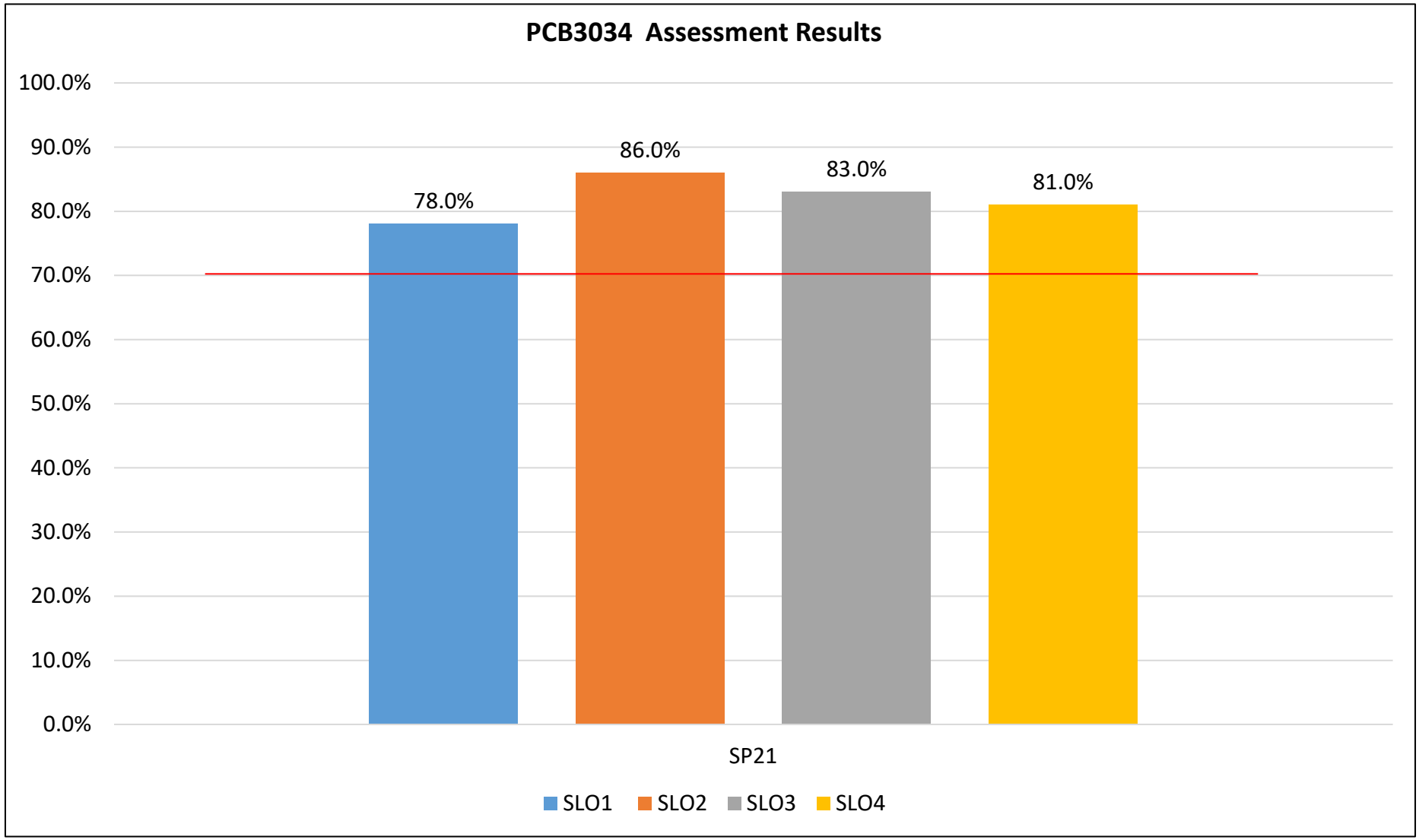
SLO 1: Use basic principles of heredity to solve genetic problems and be able to solve population genetics problems using the Hardy-Weinberg equation and identify the assumptions upon which it is based. *(4)*

SLO 2: Describe replication, transcription and translation, listing the molecules and events of each process and differences between prokaryotes and eukaryotes. *(4)*

SLO 3: Distinguish between the various structures and functions of DNA and RNA and describe the processes of DNA mutation and repair. *(4)*

SLO 4: Describe how mutations and chromosomal variations occur and explain their consequences. *(4)*

Course Assessment Results 2020-2021
PCB3060



2020-21 Success Rate: 100%

Course Learning Outcomes
PCB3203

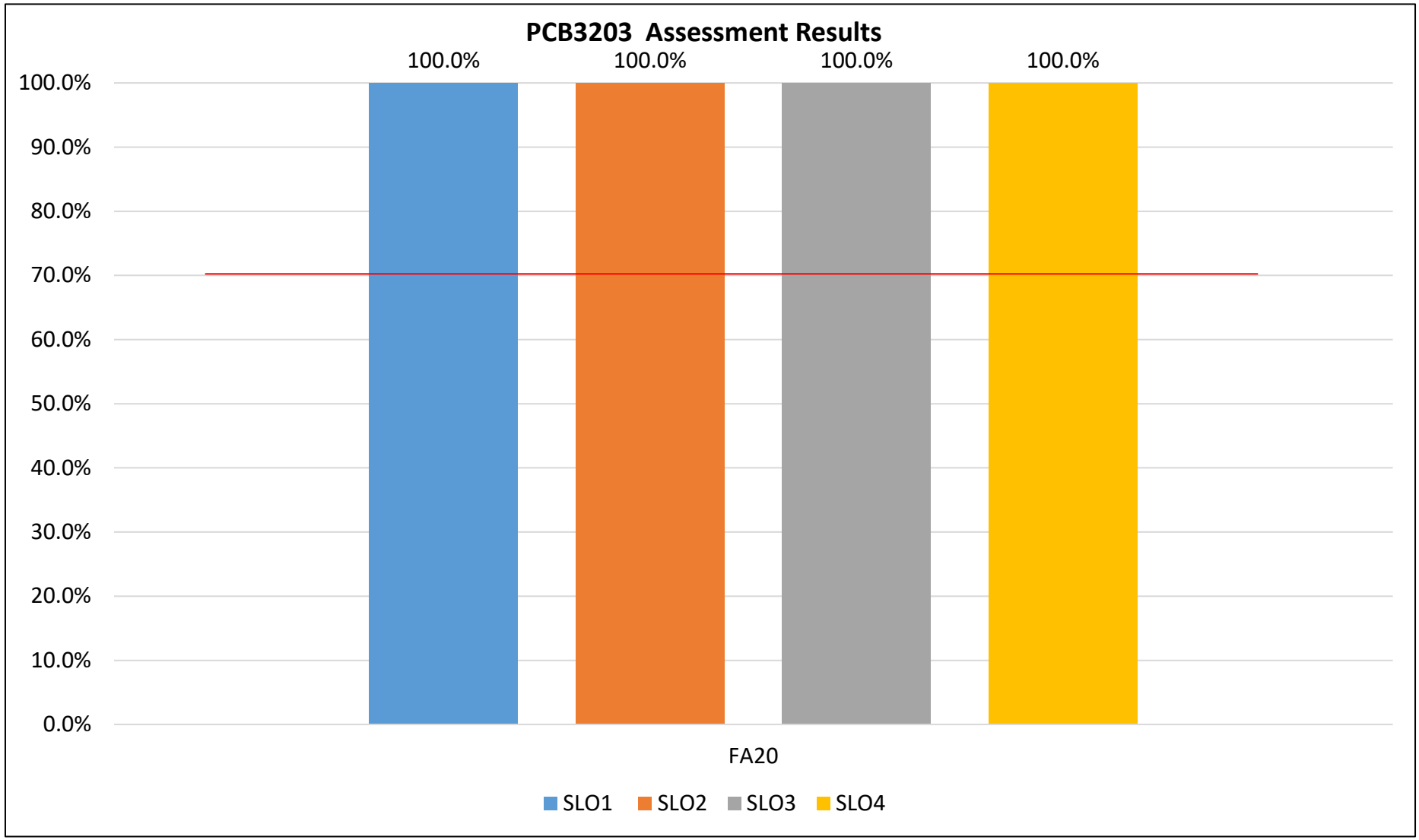
SLO 1: Distinguish the similarities and differences between prokaryotic and eukaryotic cells. *(1,4)*

SLO 2: Compare and contrast the cellular physiology of different kinds of prokaryotic cells including morphology and metabolism. *(1,4)*

SLO 3: Demonstrate knowledge of the general characteristics of eukaryotic morphology, membrane structure and membrane transport. *(1,4)*

SLO 4: Compare and contrast the physiology of plant and animal cell respiration, nutrient uptake, chemical signaling, cellular defense and reproduction. *(1,4)*

Course Assessment Results 2020-2021
PCB3203



2020-21 Success Rate: 100%

Course Learning Outcomes
PHY1020

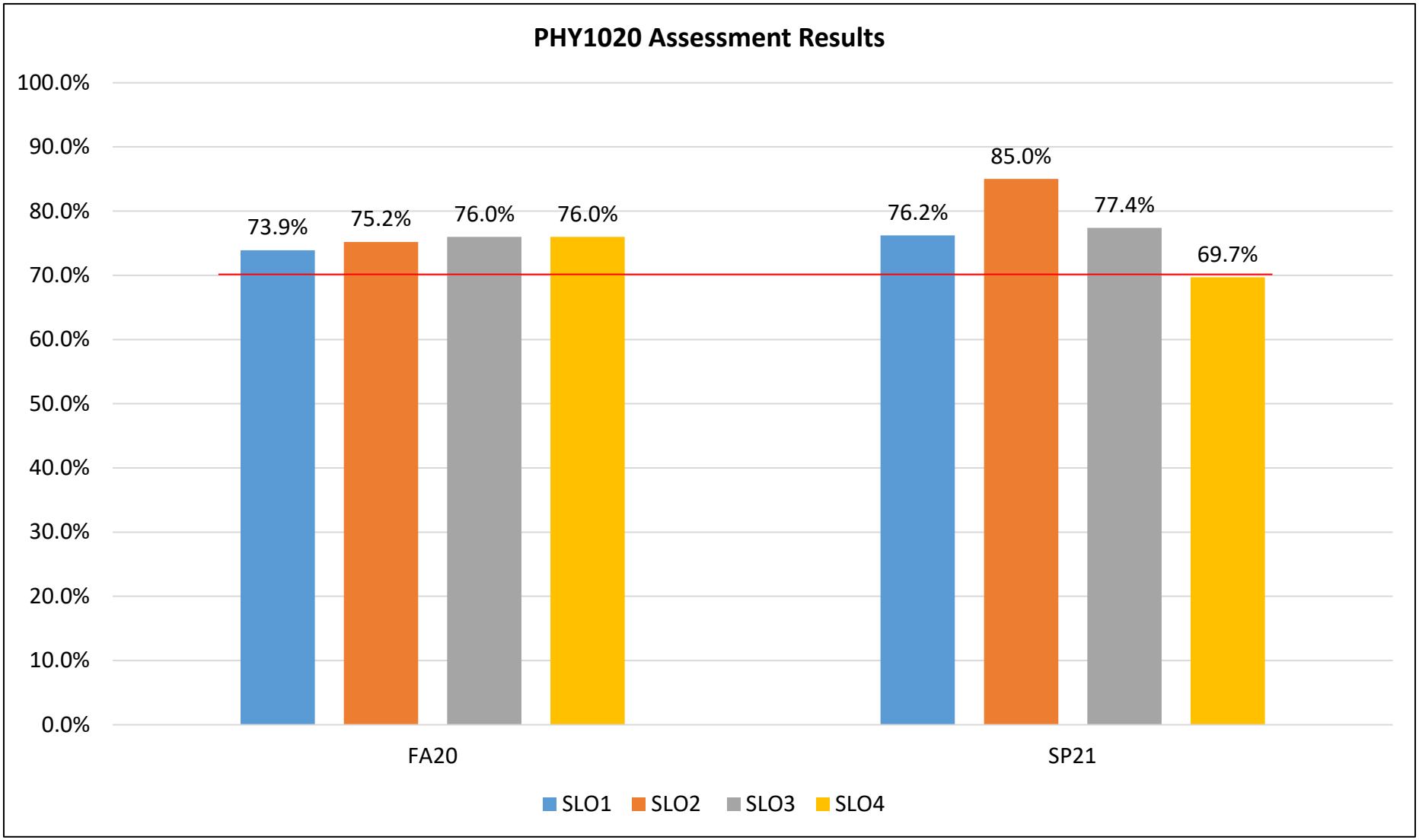
SLO 1: Explain and summarize the basic principles of thermodynamics. *(1, 2,4)*

SLO 2: Solve word problems dealing with the application of physical laws. *(1, 2,4)*

SLO 3: Relate physical principles to phenomena seen in the environment. *(1, 2,4)*

SLO 4: Demonstrate a working understanding of energy and its environmental effects. *(1,2,4)*

Course Assessment Results 2020-2021
PHY1020



2020-21 Success Rate: 92%

Results given as overall average

Course Learning Outcomes
PHY1053 - No Report

SLO 1: Define and understand Newton's three laws of motion and describe their importance. *(1, 2,4)*

SLO 2: Describe the principles of conservation of energy and momentum and apply them to concepts of mechanics. *(1, 2,4)*

SLO 3: Describe the principles of conservation of energy and momentum and apply them to concepts of mechanics. *(1, 2, 4)*

SLO 4: Analyze the principle concepts of rotational motion about a fixed axis and be able to apply these concepts to problem solving. *(1, 2, 4)*

Course Learning Outcomes
PHY2048

SLO 1: Perform mathematical operations of addition, subtraction, and multiplication with scalars and vectors. *(1, 4)*

SLO 2: Apply Newton's Laws to both static and dynamic situations, with special emphasis placed on situations involving constant acceleration. *(1, 4)*

SLO 3: Use his or her understanding of work and its association with kinetic and potential energy, along with the conservation principles of energy and momentum to solve problems involving energy and both elastic and inelastic collisions. *(1, 2, 4)*

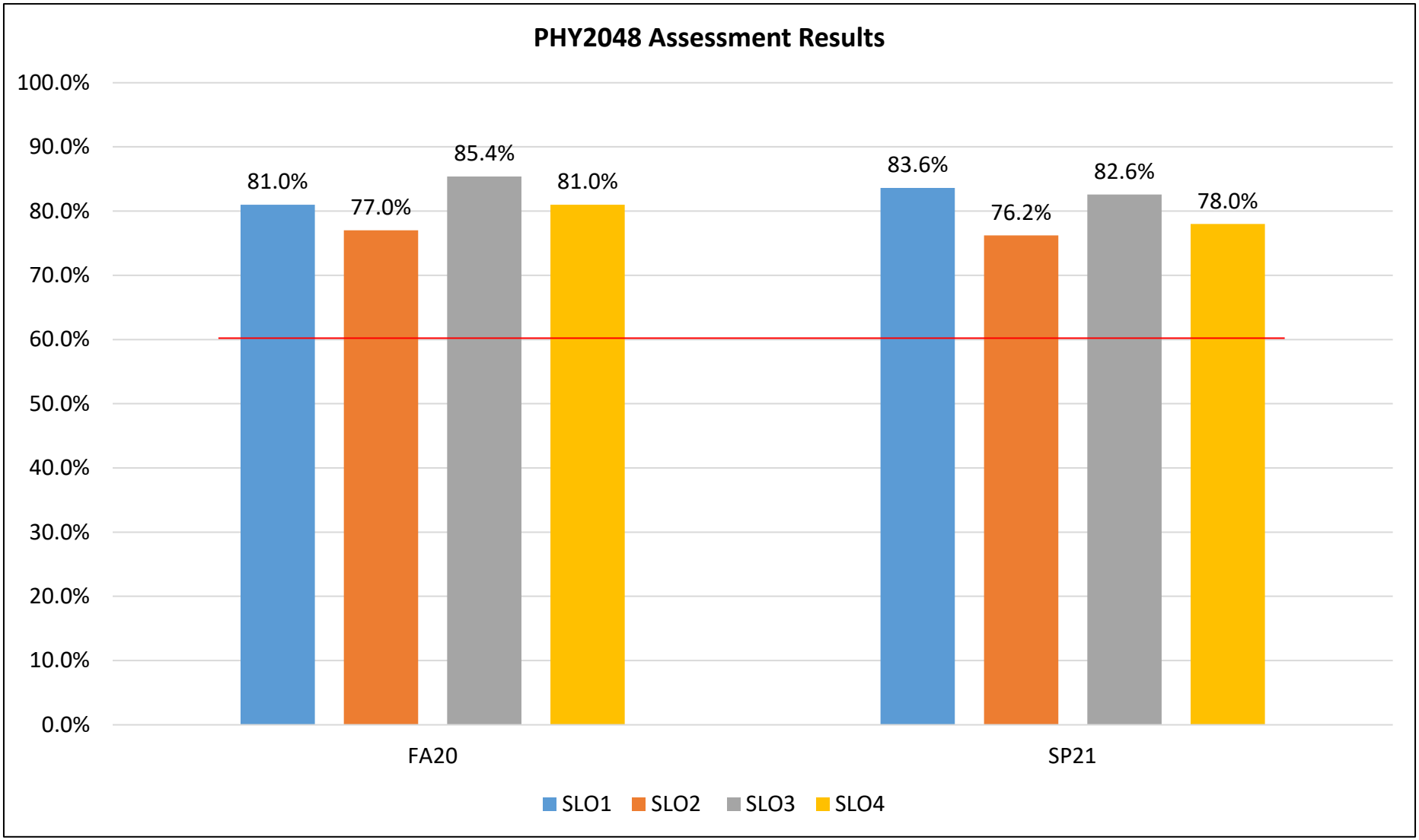
SLO 4: Extend his or her understanding of Newton's Laws and conservation principles to situations in which objects have rigid internal structure and can rotate, with special emphasis placed on situations involving constant angular acceleration and objects that roll without slipping. *(1, 4)*

SLO 5: Explain Newton's law of gravity. Apply the concept of gravitational potential energy to solve problems. Understand escape velocity, Kepler's laws, and satellite motion. *(1, 4)*

SLO 6: Understand the laws governing static fluids and fluids in motion. Explain Pascal's law, the Archimedes' principle, and Bernoulli's law. *(1, 4)*

SLO 7: Understand and apply the concept of simple harmonic motion in situations involving the various types of harmonic oscillation, including springs, pendula, uniform circular motion, and waves. *(1, 2, 4)*

Course Assessment Results 2020-2021
PHY2048



Results given as overall average

2020-21 Success Rate: 89%

Course Learning Outcomes
PHY2049

SLO 1: Understand and apply the principles of thermodynamics. Explain heat transfer mechanisms, thermal expansion, and phase changes. Use the gas laws in various application as well as solve problems involving heat engines and heat pumps. *(1, 2, 3, 4)*

SLO 2: Understand and apply the principles of Coulomb's Law, the electric field, Gauss' Law, and the electric potential in situations involving systems of charges, with special emphasis placed on static systems. *(1, 2, 4)*

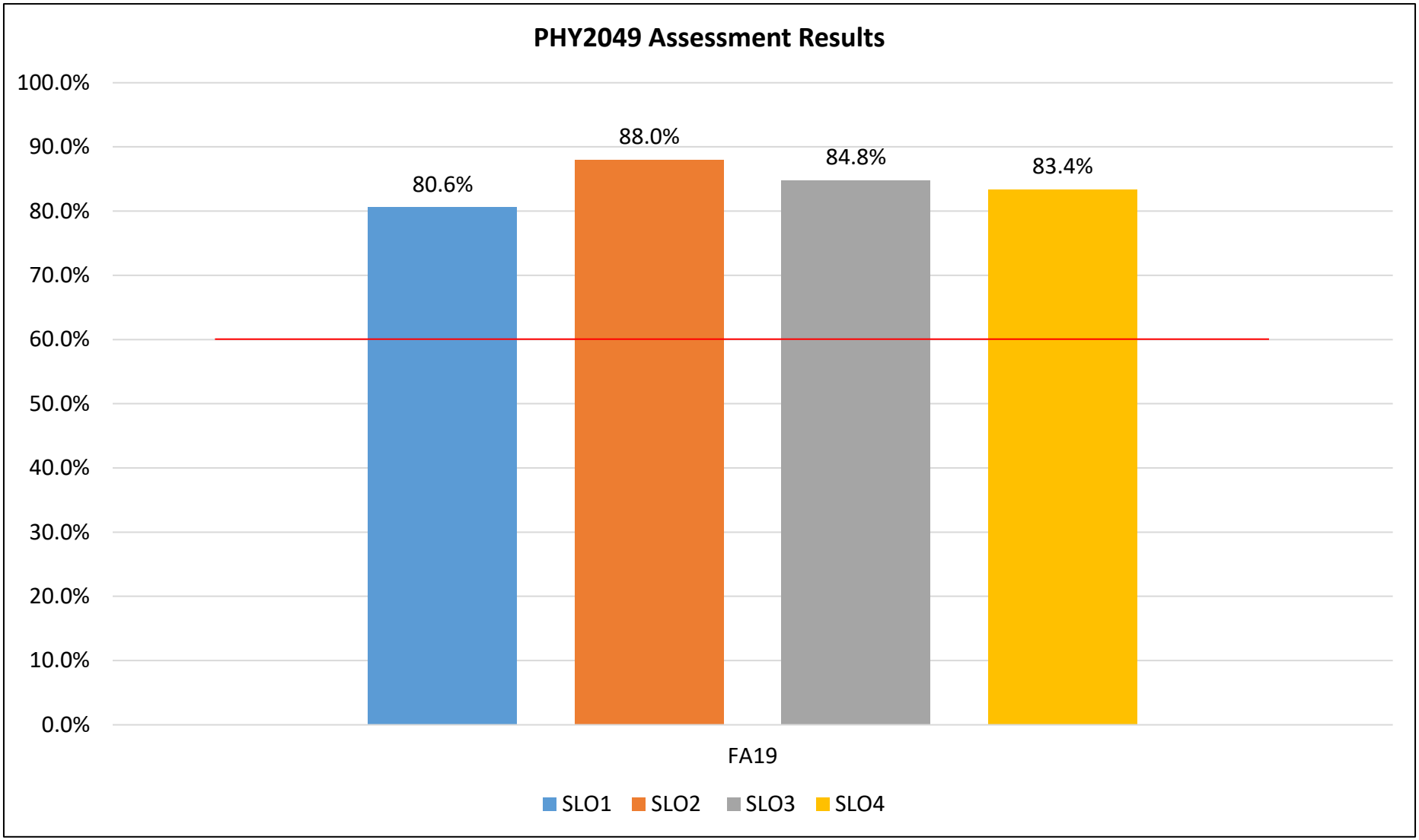
SLO 3: Apply and understand the concepts of the magnetic field and inductance. *(1, 2)*

SLO 4: Use the concepts of capacitance, resistance, current, voltage, and inductance in relation to electrical circuits. Understand both DC and AC circuits. Explain the phenomenon of resonance. *(1, 4)*

SLO 5: Understand the implications of Maxwell's Equations with regards to electricity, magnetism, and electromagnetic waves. *(1, 2, 4)*

SLO 6: Explain image formation for lenses and mirrors. Use geometrical optics to analyze optical systems. *(1, 2, 4)*

Course Assessment Results 2020-2021
PHY2049



2020-21 Success Rate: 97%

Results given as overall average

Course Learning Outcomes
PSC1121 - No Report

SLO 1: Explain or summarize the basic principles of mechanics. Discuss motion and energy. *(1, 2,4)*

SLO 2: Discuss the structure of the atom and acquire an understanding of simple chemical reactions. *(1, 2,4)*

SLO 3: Understand the theory of plate tectonics. Perform calculations involving p-waves and s-waves. *(1, 2,4)*

Course Learning Outcomes
SOS2006

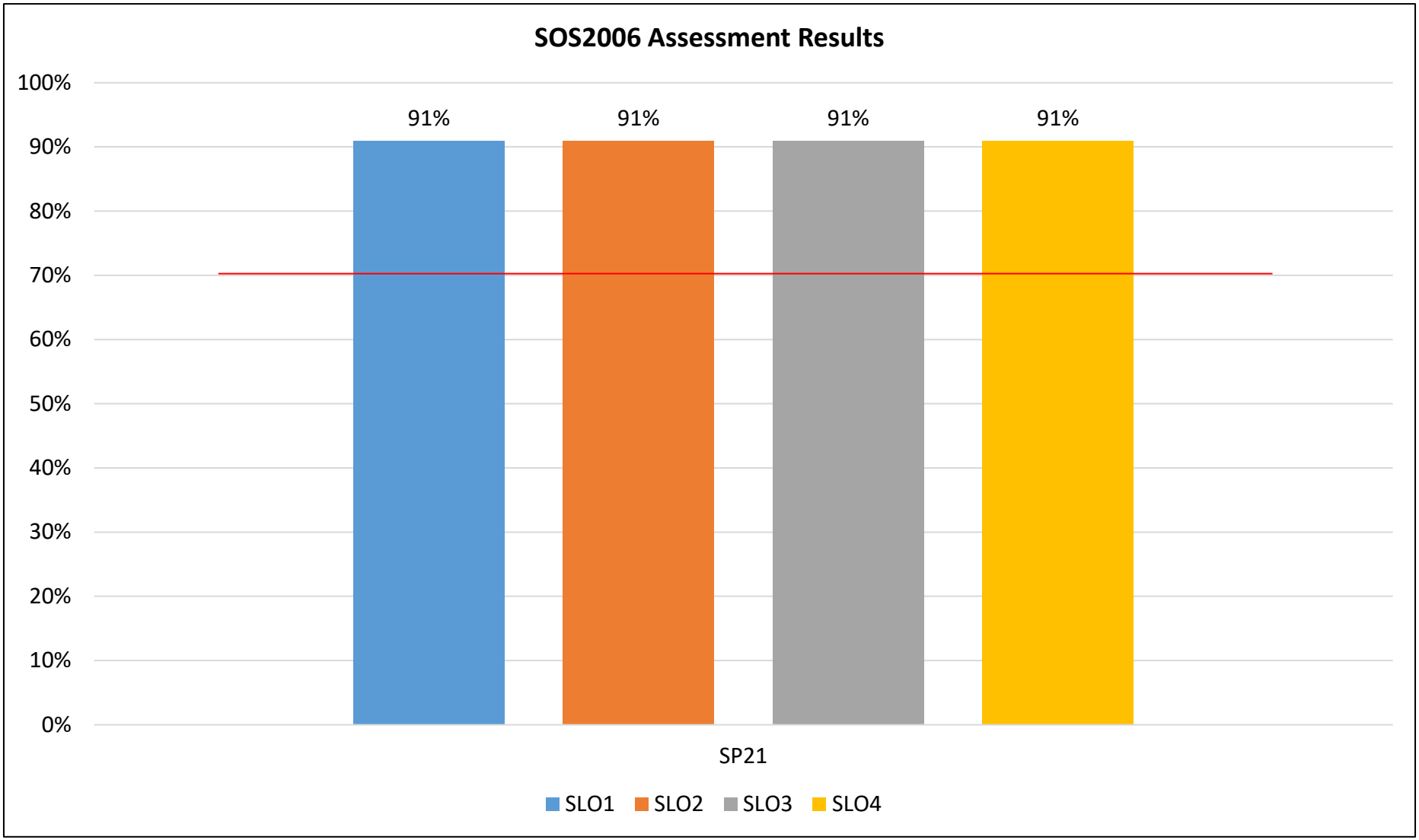
SLO 1: Develop a soil science vocabulary to understand and describe soil structure and profile. *(1,2)*

SLO 2: Describe how environmental conditions may affect soil characteristics. *(1,2)*

SLO 3: Explain why chemical interactions occur in soil and how might it affect soil components. *(1,2,4)*

SLO 4: Describe how soil composition may affect the inhabitants in the ecosystem. *(1,2)*

Course Assessment Results 2020-2021
SOS2006



2020-21 Success Rate: 83%

Course Learning Outcomes
SWS2007

SLO 1: Apply fundamental principles of chemistry and physics in relation to critical zone processes in the pedosphere and hydrosphere. *(1,2,4)*

SLO 2: Classify fundamental biological processes and differentiate basic organism function in soil and hydrologic systems. *(1,2,3,4)*

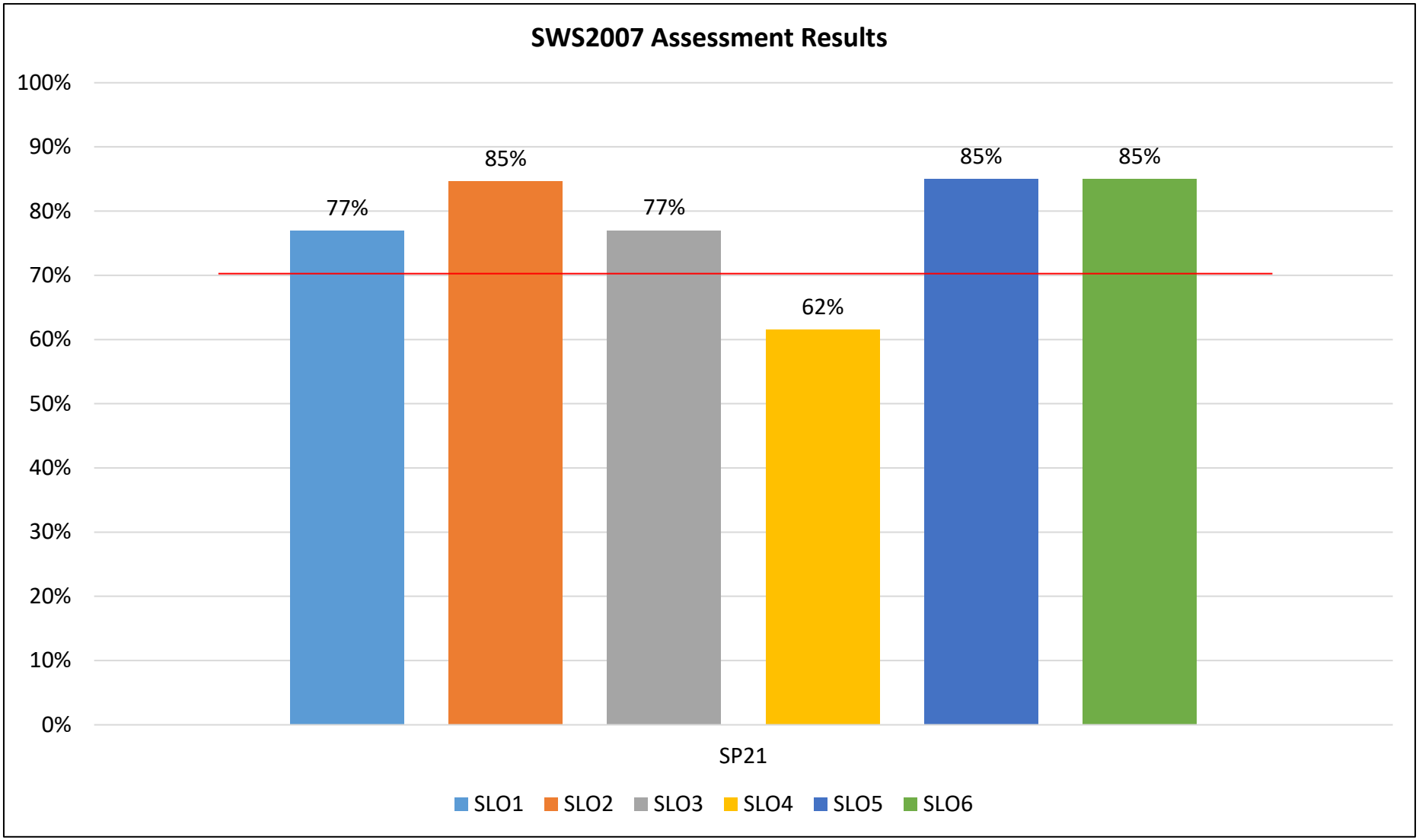
SLO 3: Utilize field observations, case study evidence and experimental data to describe soil formation, morphology, and interactions of the varied components of the hydrologic cycle. *(1,2,3,4)*

SLO 4: Critically evaluate the sustainability of water resources in relation to human needs and natural ecosystem function. *(1,2,3,4)*

SLO 5: Demonstrate quantitative problem-solving abilities by applying, analyzing and synthesizing content knowledge related to soil and water chemistry and physics. *(1,2,3,4)*

SLO 6: Create, interpret and analyze written text, oral messages and multimedia presentations used in agricultural and life sciences. *(1,2,3,4)*

Course Assessment Results 2020-2021
SWS2007



2020-21 Success Rate: 67%

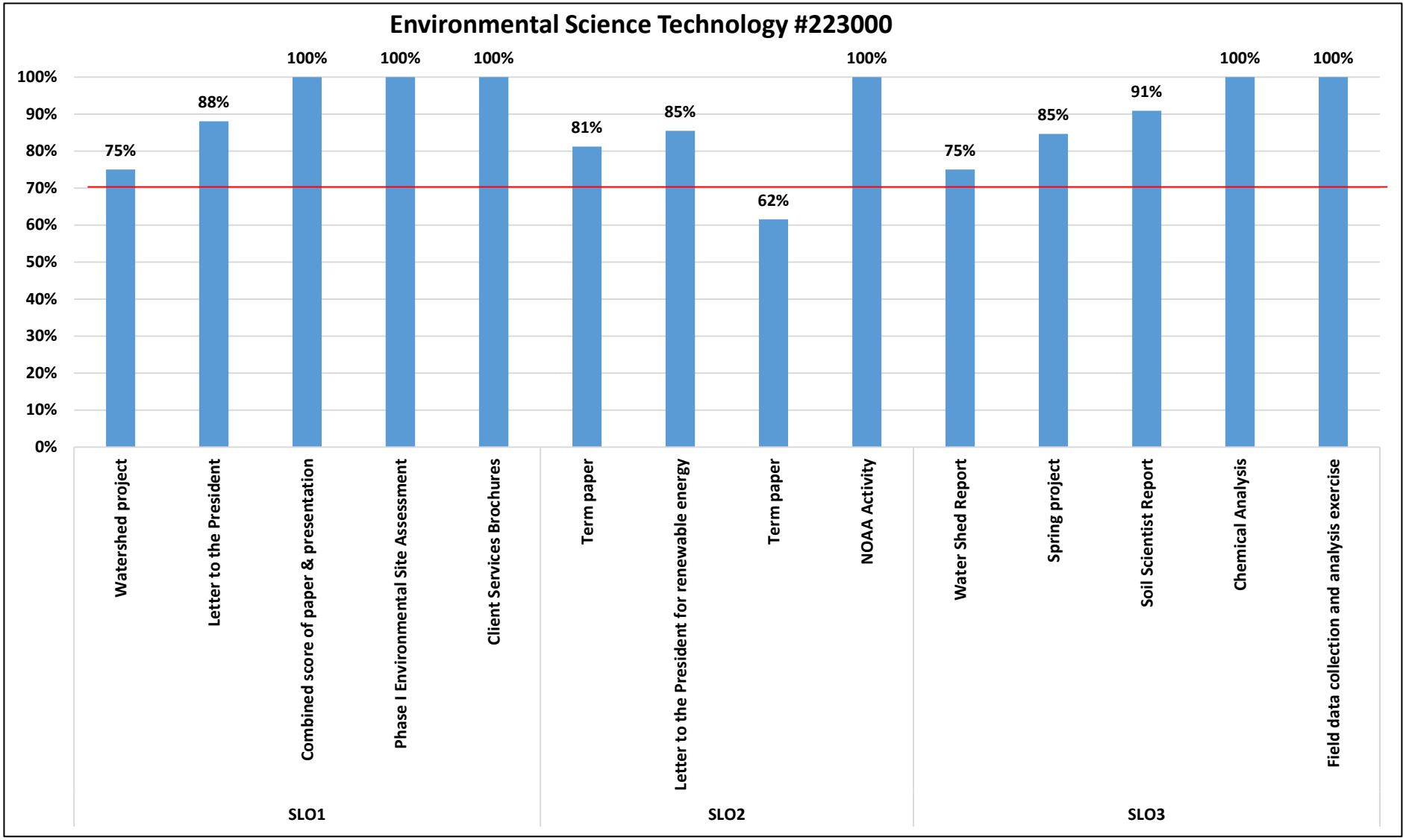
Program Learning Outcomes
Environmental Science Technology #223000

SLO 1: Students will be able to explain how human-environment interactions relate to environmental processes. *(1,2,3,4)*

SLO 2: Students will be able to evaluate interdisciplinary approaches to global issues. *(1,2,3,4)*

SLO 3: Students will be able to monitor local environmental conditions and report on findings. *(1,2,3,4)*

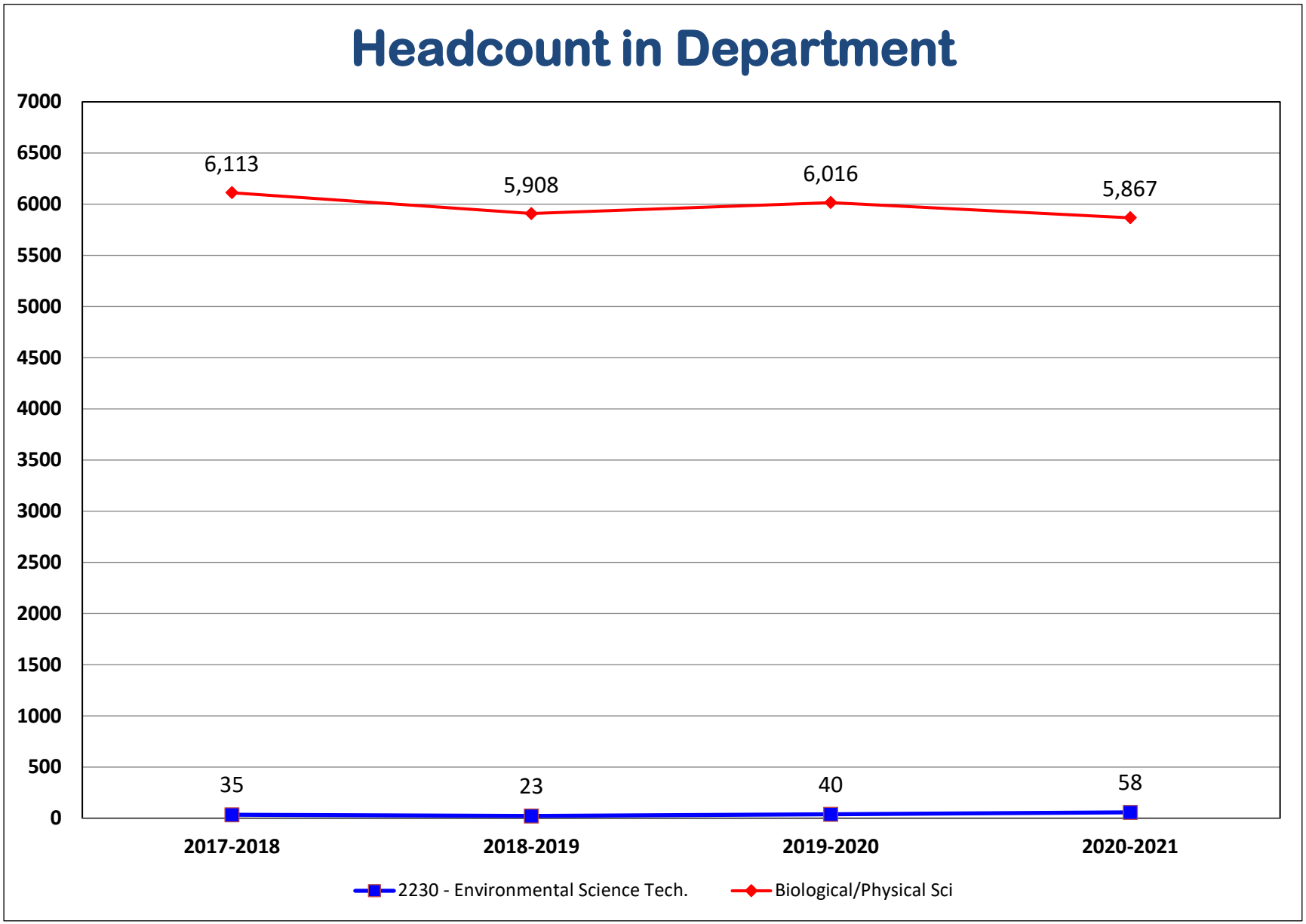
Program Assessment Results 2020-2021
Environmental Science Technology #223000



Target: 70% of students will achieve 70% or higher in all assessment measures

Assessment Data 2019-2020 and 2020-2021 : Programs and Institutional Learning Outcomes

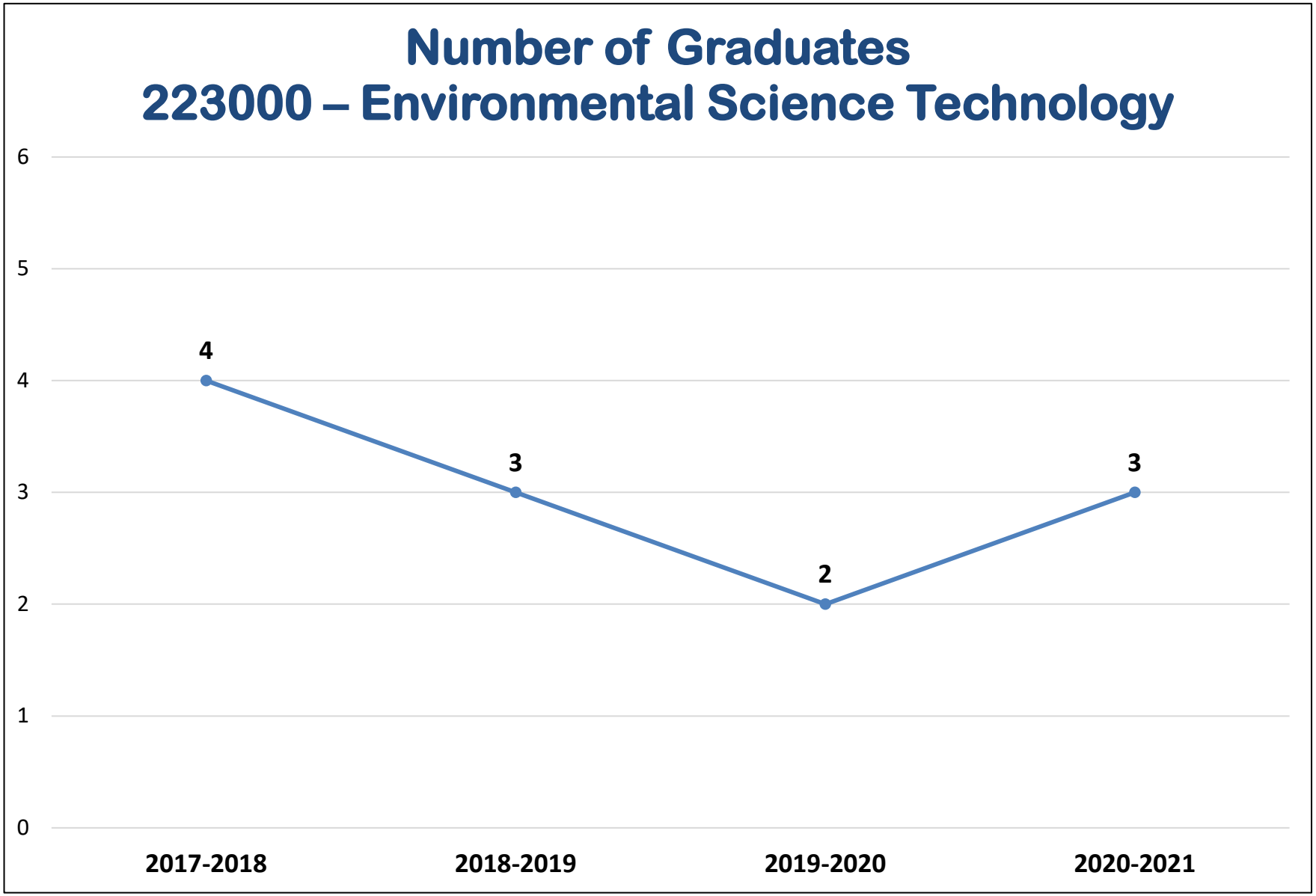
Program	Critical/ Creative Thinking		Communication		Cultural Literacy		Information and Technical Literacy	
	2019-2020	2020-2021	2019-2020	2020-2021	2019-2020	2020-2021	2019-2020	2020-2021
Environmental Science Technology (2230)	75%-89%	75%-93.3%	75%-89%	75%-100%	89%	61.5%-100%	75%-89%	75%-100%



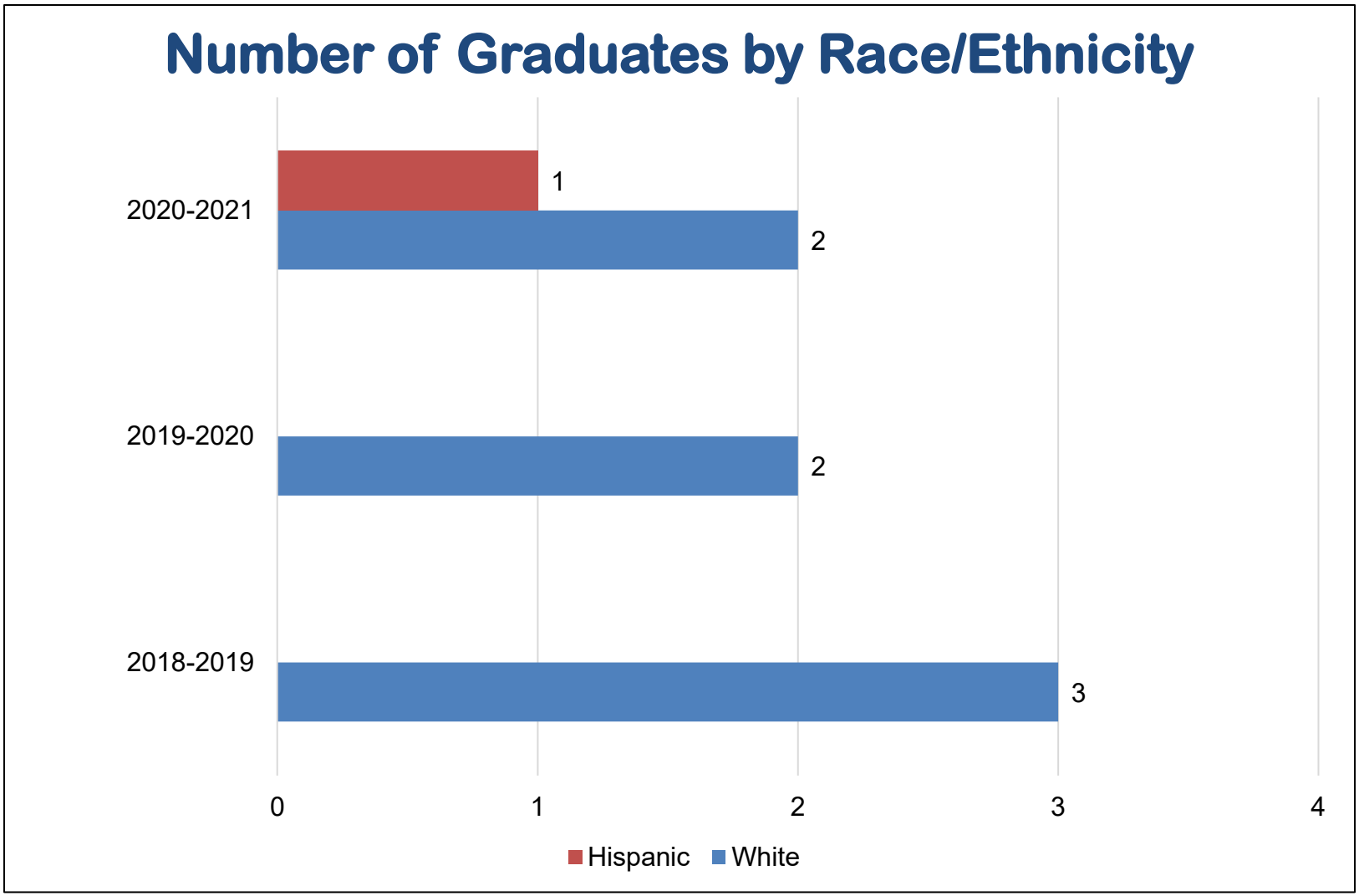
Dual Enrollment count for 2020-2021: 1,015

Headcount in majors includes students who have declared that major.
Headcount in department includes students taking courses in the department.

Source: IR Program Assessment Data



Source: IR Program Assessment Data



Source: IR Program Assessment Data

Time to Degree

Major	Average of Years to Completion (Graduates from 19-20)	Average of Years to Completion (Graduates from 20-21)
223000 – Environmental Science Technology A.S.	5.5	1.3

Source: IR Program Assessment Data

Graduation Rates

Major	Fall Cohort Year	# in Cohort	Graduated within 150% Time	150% Graduation Rate	Graduated within 200% Time	200% Graduation Rate
223000-Environmental Science Technology	2013	15	1	6.7%	1	6.7%
	2014	17	3	17.6%	4	24%
	2015	10	2	20%	2	20%
	2016	12	1	8%	1	8%
	2017 – 200% in progress	15	0	0%	0	0%
	2018 – in progress	14	2	14.3%	2	14.3%

Fall Cohort Year includes prior Summer term enrollment in major.

Graduation within 200% time includes graduates within 150% time.

Source: IR Program Assessment Data

Graduation Rates by Race /Ethnicity

Major	Fall Cohort Year	Race/Ethnicity	# in Cohort	Graduated within 150% Time	150% Graduation Rate	Graduated within 200% Time	200% Graduation Rate
223000-Environmental Science Technology	2014	Hispanic	3	2	67%	2	67%
		White	14	1	7%	2	14%
	2015	Asian	1	0	0%	0	0%
		Hispanic	1	0	0%	0	0%
		White	8	2	25%	6	25%
	2016	Black	1	0	0%	0	0%
		Hispanic	2	0	0%	0	0%
		Unknown	1	0	0%	0	0%
		White	8	1	13%	1	13%
	2017 – 200% in progress	Hispanic	3	0	0%	0	0%
		Two or More Races	1	0	0%	0	0%
		White	11	0	0%	0	0%
	2018 – in progress	Hispanic	2	0	0%	0	0%
		White	12	2	16.7%	2	16.7%

Fall Cohort Year includes prior Summer term enrollment in major.

Graduation within 200% time includes graduates within 150% time.

Source: IR Program Assessment Data

Graduation Rates By Gender

Major	Fall Term	Gender	# Students	Graduation			
				Graduated within 150% Time	Graduation Rate	Graduated within 200% Time	Graduation Rate
223000-Environmental Science Tech	2014	Female	7	1	14%	2	29%
		Male	10	2	20%	2	20%
	2015	Female	7	2	29%	2	29%
		Male	3	0	0%	0	0%
	2016	Female	7	1	14%	1	14%
		Male	5	0	0%	0	0%
	2017	Female	9	0	0%	0	0%
		Male	6	0	0%	0	0%
	2018	Female	6	0	0%	0	0%
		Male	6	0	0%	0	0%
		PrefNoAns	2	2	100%	2	100%

Source: IR Program Assessment Data

Retention Rates

Program and Year		Registered	Exclusions	Adjusted Cohort	Retained by DSC		Retained by Program		Total Retained
					N	%	N	%	
223000 - ENVIRONMENTAL SCIENCE TECH.	2014	33	3	30	5	16.67%	10	33.33%	49.99%
	2015	32	4	28	3	10.71%	9	32.14%	42.85%
	2016	26	4	22	0	0.00%	10	45.00%	45.00%
	2017	29	3	26	1	3.85%	11	42.31%	46.15%
	2018	29	3	26	0	0.00%	11	42.31%	42.31%
	2019	37	2	35	0	0.00%	15	42.90%	42.90%

Exclusions - Includes students who are deceased or graduated fall of the specified year or the following spring or summer.
Retained by DSC - Students who were still registered at DSC the following fall but with a different primary major.
Retained by Program - Students who were registered the following fall with the same primary major.

Source: IR Program Assessment Data

Retention Rates by Race/Ethnicity

Major	Fall	Race/Ethnicity	Registered	Exclusions	Adjusted Cohort	Retained by Program	
						N	%
223000 - ENVIRONMENTAL SCIENCE TECH.	FA17 to FA18	Black	1	0	1	1	100%
		Hispanic	4	0	4	0	0%
		Two or More Races	1	0	1	1	100%
		Unknown	1	0	1	1	100%
		White	22	3	19*	8	42.1%
	FA18 to FA19	Black	1	0	1	1	100%
		Hispanic	2	0	2	1	50%
		Two or More Races	1	0	1	1	100%
		Unknown	1	0	1	1	100%
		White	24	3	21	7	33.3%
	FA19 to FA20	Black	4	0	4	1	25%
		Hispanic	5	0	5	3	60%
		Two or More Races	3	0	3	1	33.3%
		Unknown	1	0	1	0	0%
		White	24	2	22	10	45.5%

**one student retained by DSC*

Registered - Includes all students enrolled in the fall term of the specified year, with the specified program as their primary major.
Exclusions - Includes students who are deceased or graduated fall of the specified year or the following spring or summer.
Adjusted Cohort - Registered students less exclusions.
Not retained - Students who were not registered the following fall term.
Retained by DSC - Students who were still registered at DSC the following fall but with a different primary major.
Retained by Program - Students who were registered the following fall with the same primary major.

Source: IR Program Assessment Data

Retention Rates by Gender

Major	Fall	Gender	Registered	Exclusions	Adjusted Cohort	Retained by Program	
						N	%
223000 - ENVIRONMENTAL SCIENCE TECH.	FA17 to FA18	Female	20	3	17*	7	41.2%
		Male	9	0	9	4	44.4%
	FA18 to FA19	Female	17	3	14	6	42.3%
		Male	11	0	11	4	42.9%
		PrefNoAns	1	0	1	1	100%
	FA19 to FA20	Female	20	1	19	9	47.4%
		Male	13	0	13	5	38.5%
		PrefNoAns	3	1	2	1	50%
		Unknown	1	0	1	0	0%

**one student retained by DSC*

Source: IR Program Assessment Data

Placement Rates

Program Title	Major	2014/15 DSC%	2014/15 FCS%	2015/16 DSC%	2015/16 FCS%	2016/17 DSC%	2016/17 FCS%	2017/18 DSC%	2017/18 FCS%	2018/19 DSC%	2018/19 FCS%	Average Annual Salary
Environmental Science Tech.	223000	100%	68%	100%	69%	50%	70%	100%	83%	33%	76%	$**,***

*Currently Inactive Program
N/A - No placement data for the program
(****), ($**,***), or (***%) - Number of graduates less than 10 but greater than 0 suppressed.

Source: Florida Education Training Placement Information Program (FETPIP)

Indicates the College average above the State Averages
Indicates the College average same as the State Averages
Indicates the College average below the State Averages

Course Success Rate (1 of 3)

Major or Department, Associated Courses and Instructional Method		2017-2018		2018-2019		2019-2020		2020-2021	
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
SCI- Biological & Physical Sciences	AST1002	683	78%	652	79%	717	72%	620	79%
	BOT1010C	33	82%	30	87%	27	89%	29	90%
	BOT2150	7	71%	9	78%	4	75%	8	75%
	BSC1005	1213	77%	1156	78%	1080	82%	975	83%
	BSC1010C	679	70%	649	73%	658	74%	738	79%
	BSC1011C	173	79%	210	93%	161	98%	227	94%
	BSC1020	516	70%	487	72%	453	73%	494	79%
	BSC1085C	1475	66%	1460	68%	1453	69%	1420	69%
	BSC1086C	926	85%	890	86%	893	87%	871	85%
	BSC2905			1	100%			1	100%
	CHM1020	103	83%	94	83%	118	89%	123	86%
	CHM1025C	497	86%	526	85%	642	81%	741	84%
	CHM1045C	468	74%	401	76%	374	74%	369	61%
	CHM1046C	179	89%	151	84%	192	86%	115	72%
	CHM2210C	39	95%	45	93%	56	79%	33	100%
	CHM2211C	25	100%	36	94%	37	97%	32	91%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Source: IR Program Assessment Data

Course Success Rate (2 of 3)

Major or Department, Associated Courses and Instructional Method		2017-2018		2018-2019		2019-2020		2020-2021	
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
SCI-Biological & Physical Sciences	CHM2905							3	100%
	EVR2001	423	75%	462	74%	551	79%	502	75%
	GLY2010C	9	78%	9	56%	10	90%	16	88%
	GLY2100					3	67%		
	MCB1010C	672	88%	649	90%	669	89%	662	90%
	MCB2905			1	100%				
	MET2010	138	84%	82	79%	89	76%	80	85%
	OCB2000C	25	92%	9	89%	12	83%	28	89%
	OCE2905	1	100%	4	100%	9	78%		
	PHY1020	45	82%	37	73%	48	79%	50	92%
	PHY1053C	87	92%	89	87%	81	91%	74	81%
	PHY1054C	42	95%	42	93%	31	97%	40	100%
	PHY2048C	91	90%	132	90%	126	89%	97	89%
	PHY2049C	70	96%	66	95%	68	97%	65	97%
	PHY2905							1	100%
	PSC1121	245	88%	197	91%	164	88%	98	82%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Source: IR Program Assessment Data

Course Success Rate (3 of 3)

Major or Department, Associated Courses and Instructional Method		2017-2018		2018-2019		2019-2020		2020-2021	
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
2230 – Environmental Science Tech.	EVR2630							6	67%
	EVR2647							5	100%
	EVR2861					22	55%	27	70%
	EVR2933	3	100%	2	50%	3	100%		
	EVR2943	3	100%	2	50%	3	100%	17	82%
	EVS2026C							4	100%
	GIS2040C	15	80%	7	43%	8	50%	15	80%
	OCE1001	114	87%	141	86%	163	77%	190	79%
	OCE2013C	3	100%	2	50%	3	67%		
	PCB2033C	3	100%	3	100%	4	100%	2	100%
	SLS1127					33	100%	46	100%
	SOS2006					6	83%	12	83%
	SWS2007			2	100%	6	83%	15	67%
Upper Division	BCH3023C	16	94%	24	100%	19	89%	26	100%
	CHM3085	2	100%			3	100%		
	CHM3120C			1	100%	1	100%		
	PCB3034C	2	100%	2	100%	5	100%	3	100%
	PCB3060	5	100%			16	94%	12	100%
	PCB3203	7	100%	5	100%			6	100%
	BOT3151	1	100%			5	100%	2	100%
	OCE3014C								
	PHY3101					7	100%	3	100%
	PHY3221					1	100%		
	PHY3513							1	100%
	PHY4424							1	100%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Source: IR Program Assessment Data

Course Success Rate by Campus – Multiple Campuses Only (1 of 3)

Dept., Associated Courses and Campus			2017-2018*		2018-2019*		2019-2020*		2020-2021		
			Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	
Biological/ Physical Sciences	AST1002	Daytona			38	89%	40	68%			
		Deland	83	77%	78	87%	65	75%	44	70%	
		Deltona	36	78%	28	75%	19	42%	12	50%	↑
		Flagler/PC	38	76%							
		Online							564	80%	
	BSC1005	Daytona	360	82%	268	78%	244	81%			
		Deland	68	79%	73	93%	77	91%			
		Deltona	36	61%	21	43%	16	50%	7	86%	↑
		Flagler/PC	108	83%	120	84%	121	83%			
		NSB	34	59%	34	53%	34	62%	18	78%	↑
		Online							950	84%	
	BSC1010C	Daytona	343	58%	302	65%	290	63%	54	61%	
		Deland	173	83%	157	81%	164	81%	90	84%	↑
		Flagler/PC	132	81%	129	81%	134	91%			
		NSB	31	81%	36	67%	41	63%	26	62%	
		Online							568	81%	
	BSC1011C	Daytona	133	74%	181	93%	134	98%			
		Deland	40	98%	29	93%	27	100%			
		Online							227	94%	
	BSC1020	Daytona	51	69%	46	54%	34	71%			
		Deland	57	67%	41	80%	32	88%	42	81%	
		Online							452	79%	

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

*Excludes fully online courses

Source: IR Program Assessment Data

Course Success Rate by Campus – Multiple Campuses Only (2 of 3)

Dept., Associated Courses and Campus			2017-2018*		2018-2019*		2019-2020*		2020-2021	
			Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
Biological/ Physical Sciences	BSC1085C	Daytona	696	54%	619	54%	630	60%	144	71%
		Deland	312	81%	330	82%	317	79%	111	68%
		Flagler/PC	140	59%	135	51%	156	60%	22	73%
		NSB	34	74%						
		Online							1143	68%
	BSC1086C	Daytona	346	75%	272	82%	289	84%	78	85%
		Deland	179	94%	178	88%	189	89%	68	90%
		Flagler/PC	85	78%	82	60%	57	82%		
		Online							725	85%
	CHM1025C	Daytona	197	85%	204	82%	186	78%	88	84%
		Deland	74	81%	80	69%	97	76%	47	60%
		Flagler/PC	92	83%	105	90%	123	86%	21	86%
		NSB							9	89%
		Online							576	85%
	CHM1045C	Daytona	374	72%	281	78%	261	76%	91	53%
		Deland	75	85%	72	78%	67	73%	50	62%
		Flagler/PC	19	74%	48	56%	46	63%		
		Online							228	64%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

*Excludes fully online courses

Source: IR Program Assessment Data

Course Success Rate by Campus – Multiple Campuses Only (3 of 3)

Dept., Associated Courses and Campus			2017-2018*		2018-2019*		2019-2020*		2020-2021	
			Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
Biological/ Physical Sciences	CHM1046C	Daytona	153	91%	130	85%	174	87%		
		Deland	19	84%	21	76%	18	83%		
		Flagler/PC	7	71%						
		Online							115	72%
	MCB1010C	Daytona	238	89%	165	86%	114	85%	31	87%
		Deland	172	92%	128	95%	175	95%	46	98%
		Flagler/PC	75	99%	88	93%	59	92%		
		Online							585	90%
	MET2010	Daytona							12	83%
		Online							68	85%
	OCE1001	Daytona	66	83%	92	86%	77	69%		
		Deland	17	100%						
		Flagler/PC	21	81%						
		NSB	10	100%	15	93%				
	PHY1053C	Daytona	87	92%	77	84%	66	91%	74	81%
		Deland			12	100%	15	93%		
	PHY1054C	Daytona							25	100%
		Online							15	100%
	PHY2048C	Daytona							70	91%
		Online							27	81%
	PHY2049C	Daytona							30	93%
		Online							35	100%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

*Excludes fully online courses

Source: IR Program Assessment Data

Overall Course Success Rates by Campus

Dept., Associated Courses and Campus		2017-2018		2018-2019		2019-2020		2020-2021	
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
Biological/ Physical Sciences	Daytona	3,693	74%	3,205	76%	3,244	77%	853	78%
	Deltona	72	69%	49	61%	35	46%	19	63%
	Deland	1,280	85%	1,199	84%	1,243	84%	498	77%
	Flagler/Palm Cst	741	78%	727	74%	739	80%	43	79%
	New Smyrna Bch	109	73%	85	66%	75	63%	53	72%
	Online	3,200	79%	3,459	82%	3,765	81%	7523	81%
Grand Total		9,095	78%	8,724	79%	9,101	80%	8,989	80%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Excludes fully online courses

Source: IR Program Assessment Data

Course Success Rate By Instructional Method – Multiple Methods Only (1 of 3)

Dept., Associated Courses and Instructional Method.			2017-2018		2018-2019		2019-2020		2020-2021	
			Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
Biological/ Physical Sciences	AST1002	Lecture	157	77%	144	85%	124	68%		
		Hybrid							56	66%
		Online	526	78%	508	77%	593	73%	564	80%
	BSC1005	Hybrid	108	83%	162	87%	198	86%	25	80%
		Lecture	498	79%	354	75%	294	77%		
		Online	607	75%	640	77%	588	83%	950	84%
	BSC1010C	Hybrid	151	81%	165	78%	175	85%	170	74%
		Lecture	528	66%	459	71%	454	70%		
		Online			25	80%	29	86%	568	81%
	BSC1020	Lecture	108	68%	87	67%	66	79%	42	81%
		Online	408	71%	400	73%	387	72%	452	79%
	BSC1085C	Lecture	1008	62%	1013	62%	1103	66%		
		Online	293	80%	376	85%	350	81%	1143	68%
		Hybrid	174	62%	71	56%			277	70%
	BSC1086C	Hybrid	85	78%	35	71%	535	86%	146	87%
		Lecture	525	82%	497	81%	358	89%		
		Online	316	92%	358	94%			725	85%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Source: IR Program Assessment Data

Course Success Rate By Instructional Method – Multiple Methods Only (2 of 3)

Dept., Associated Courses and Instructional Method			2017-2018		2018-2019		2019-2020		2020-2021	
			Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
Biological/ Physical Sciences	CHM1020	Hybrid	24	79%	20	65%	42	83%		
		Online	79	85%	74	88%	76	92%		
	CHM1025C	Hybrid	173	84%	241	82%	203	87%	165	78%
		Lecture	190	83%	148	80%	203	74%		
		Online	134	91%	137	96%	236	83%	576	85%
	CHM1045C	Hybrid					29	59%	141	56%
		Lecture	468	74%	401	76%	345	75%		
		Online							228	64%
	CHM1046C	Hybrid					16	94%		
		Lecture	179	89%	151	84%	176	86%		
	EVR2001	Lecture	134	81%	115	81%	121	79%		
		Online	289	73%	347	72%	430	79%	502	75%
	MCB1010C	Hybrid	92	97%	108	91%	96	95%	77	94%
		Lecture	364	90%	273	91%	252	90%		
		Online	216	80%	268	88%	321	87%	585	90%
	MET2010	Lecture	41	73%	10	60%	36	75%		
		Hybrid							12	83%
		Online	97	89%	72	82%	53	77%	68	85%
	OCE1001	Hybrid					49	71%	19	74%
		Lecture			107	87%	28	64%		
		Online			34	82%	86	84%	171	80%
	PHY1020	Online	30	93%	23	83%	35	86%		
		Lecture	15	60%	14	57%	13	62%		

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Source: IR Program Assessment Data

Course Success Rate By Instructional Method – Multiple Methods Only (2 of 3)

Dept., Associated Courses and Instructional Method			2017-2018		2018-2019		2019-2020		2020-2021	
			Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
Biological/ Physical Sciences	PHY1020	Online	30	93%	23	83%	35	86%		
		Lecture	15	60%	14	57%	13	62%		
	PHY1053C	Hybrid	38	89%						
		Lecture	49	94%			81	91%		
	PHY1054C	Hybrid			18	94%			25	100%
		Online							15	100%
		Lecture			24	92%	31	97%		
	PHY2048C	Lecture					110	87%		
		Hybrid							70	91%
		Online					16	100%	27	81%
	PHY2049C	Hybrid							30	93%
		Online							35	100%
	PSC1121	Lecture	11	100%						
		Online	234	87%			163	88%	98	82%
DSC	Hybrid			83%		83%		80%		91%
	Lecture			83%		82%		82%		80%
	Online			78%		80%		81%		79%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Source: IR Program Assessment Data

Overall Course Success Rate by Instructional Method

Dept., Associated Courses and Campus		2017-2018		2018-2019		2019-2020		2020-2021	
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
Biological/ Physical Sciences	IS	4	100%	6	100%	28	86%	8	100%
	Online	3,229	80%	3,459	82%	3,765	81%	7,522	81%
	Lecture	4,878	76%	4,314	76%	4,465	77%		
	Hybrid	984	81%	945	81%	843	85%	1,459	77%
Grand Total		9,095	78%	8,724	79%	9,101	80%	8,989	80%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Source: IR Program Assessment Data

Course Success Rates- Multiple Sessions or Sub-sessions Only (1 of 5)

Major or Dept., Associated Courses and Sub-session			2017-2018		2018-2019		2019-2020		2020-2021	
			Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
Biological/ Physical Sciences	AST1002	A term	70	86%	74	76%	74	82%	76	88%
		FA B term	67	81%	75	67%	83	59%	79	75%
		Full term	156	76%	150	80%	150	77%	108	77%
		A term	69	78%	75	84%	75	75%		
		SP B term	142	68%	142	78%	139	70%	60	87%
		Full term	75	76%	68	85%	52	62%	169	76%
		SU Full term	104	88%	68	81%	144	73%	128	80%
	BOT1010C	FA Full term	13	69%	18	94%	18	94%	19	84%
		SP Full term	20	90%	12	75%	9	78%	10	100%
	BSC1005	A term	68	71%	94	80%	38	92%	45	73%
		FA B term	71	66%	75	69%	110	82%	117	79%
		Full term	415	78%	372	78%	331	80%	256	83%
		A term	67	78%	135	85%	79	81%	80	85%
		SP B term	69	71%	38	87%	70	80%	46	67%
		Full term	375	81%	296	77%	313	81%	264	84%
		SU Full term	148	76%	146	73%	139	88%	167	93%
	BSC1010C	FA Full term	392	70%	362	72%	347	71%	336	80%
		SP Full term	256	66%	253	72%	274	77%	290	76%
		SU Full term	31	94%	34	85%	37	89%	112	87%
	BSC1011C	FA Full term	39	67%	47	79%	40	95%	39	90%
		SP Full term	107	79%	115	97%	86	99%	114	95%
		SU Full term	27	96%	48	100%	35	100%	74	96%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Years are reporting years, SU-SP.
Blank cells or missing years indicate no enrollment.

Source: IR Program Assessment Data

Course Success Rates- Multiple Sessions or Sub-sessions Only (2 of 5)

Dept., Associated Courses and Sub-session				2017-2018		2018-2019		2019-2020		2020-2021	
				Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
Biological/ Physical Sciences	BSC1020	FA	A term	34	74%	36	86%	40	70%	42	86%
			B term	57	63%	49	47%	61	74%	47	83%
			Full term	155	70%	139	68%	119	66%	109	78%
		SP	A term	37	81%	38	79%	38	76%	59	83%
			B term	37	57%	34	76%	35	83%	61	79%
			Full term	92	61%	93	73%	89	74%	96	81%
		SU	Full term	104	83%	98	81%	71	79%	80	70%
	BSC1085C	FA	A term	73	92%	47	96%	36	72%	56	73%
			Full term	676	67%	694	61%	709	64%	621	61%
		SP	A term	54	81%	75	96%	76	88%	71	76%
			Full term	514	56%	464	64%	480	71%	458	71%
		SU	Full term	158	73%	180	84%	152	80%	214	83%
	BSC1086C	FA	B term	76	93%	61	92%	48	81%	52	88%
			Full term	200	80%	222	80%	160	80%	191	79%
		SP	B term	52	94%	359	82%	54	85%	59	92%
			Full term	428	82%	418	85%	432	89%	310	84%
		SU	Full term	170	91%	189	93%	199	91%	259	90%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Years are reporting years, SU-SP.
Blank cells or missing years indicate no enrollment.

Source: IR Program Assessment Data

Course Success Rates- Multiple Sessions or Sub-sessions Only (3 of 5)

Dept., Associated Courses and Sub-session				2017-2018		2018-2019		2019-2020		2020-2021	
				Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
Biological/ Physical Sciences	CHM1020	FA	Full term	39	92%	35	91%	39	87%	54	91%
		SP	Full term	64	78%	59	78%	79	90%	40	78%
			B term							29	90%
	CHM1025C	FA	Full term	211	82%	238	82%	296	79%	290	78%
		SP	Full term	206	87%	218	87%	258	81%	249	85%
		SU	Full term	80	90%	70	93%	88	90%	202	89%
	CHM1045C	FA	Full term	225	75%	185	77%	159	72%	153	62%
		SP	Full term	168	69%	176	73%	150	69%	115	51%
		SU	Full term	75	84%	40	83%	65	91%	101	69%
	CHM1046C	FA	Full term	25	76%	34	82%	31	68%	21	71%
		SP	Full term	89	90%	76	83%	80	88%	49	73%
		SU	Full term	65	94%	41	88%	81	93%	45	71%
	CHM2210C	FA	Full term					53	77%	33	100%
		SP	Full term					3	100%		
	CHM2905	FA	B term							1	100%
		SU	Full term							2	100%
	EVR2001	FA	A term	69	78%	72	79%	83	80%	83	86%
			B term	73	73%	84	65%	132	69%	85	76%
			Full term	72	82%	58	79%	72	85%	74	64%
		SP	A term	68	72%	72	86%	83	78%	82	83%
			B term	79	68%	119	65%	132	90%	130	69%
			Full term	62	81%	57	82%	49	71%	48	79%
	MCB1010C	FA	Full term	229	89%	220	87%	226	85%	197	88%
		SP	B term					28	100%	43	70%
			Full term	304	85%	287	90%	286	89%	197	91%
		SU	Full term	139	91%	142	93%	157	95%	225	95%
	MET2010	FA	Full term	49	80%	43	77%	40	65%	44	82%
		SP	Full term	60	85%	39	82%	23	74%	12	83%
		SU	Full term	29	90%			26	96%	24	92%

Course Success Rates- Multiple Sessions or Sub-sessions Only (4 of 5)

Dept., Associated Courses and Sub-session			2017-2018		2018-2019		2019-2020		2020-2021	
			Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
Biological/ Physical Sciences	OCB2000C	FA Full term	16	94%						
		SP Full term	9	89%			12	83%	28	89%
	OCE1001	FA A term					25	84%	31	77%
		FA B term					27	81%	38	79%
		FA Full term	64	89%	47	87%	29	69%	36	89%
		SP B term							32	78%
		SP Full term	50	84%	94	85%	82	76%	53	75%
	OCE2905	FA Full term					7	86%		
		SP Full term					2	50%		
	PHY1020	FA Full term	30	93%	23	83%	35	86%	25	96%
		SP Full term	15	60%	14	57%	13	62%	25	88%
	PHY1053C	FA Full term	49	94%	53	87%	49	92%	44	84%
		SP Full term	38	89%	36	86%	32	91%	30	77%
	PHY1054C	SP Full term	23	91%	24	92%			25	100%
		SU Full term	19	100%	18	94%	31	97%	15	100%
	PHY2048C	FA Full term	51	92%	95	91%	77	90%	61	89%
		SP Full term	40	88%	37	89%	49	88%	36	89%
	PHY2049C	SP Full term	40	98%	45	93%	49	96%	41	95%
		SU Full term	30	93%	21	100%	19	100%	24	100%
	PHY3001	FA Full term					6	100%		
		SP Full term					1	100%		

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Years are reporting years, SU-SP.
Blank cells or missing years indicate no enrollment.

Source: IR Program Assessment Data

Course Success Rates- Multiple Sessions or Sub-sessions Only (5 of 5)

Dept., Associated Courses and Sub-session				2017-2018		2018-2019		2019-2020		2020-2021	
				Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
Biological/ Physical Sciences	PSC1121	FA	A term	36	89%	32	97%	54	80%	25	84%
			B term	46	89%	32	84%	1	100%	18	83%
		SP	A term	71	87%	61	90%	74	95%	34	82%
			B term	32	78%						
			Full term	11	100%						
		SU	Full term	49	90%	72	92%	35	86%	21	76%
	SWS2007	SP	A term							15	67%
			B term					1	100%		
			Full term					5	80%		

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Years are reporting years, SU-SP.
Blank cells or missing years indicate no enrollment.

Source: IR Program Assessment Data

Overall Course Success Rate by Session and Sub-session

Dept., Session and Sub-session			2017-2018		2018-2019		2019-2020		2020-2021	
			Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
Biological/ Physical Sciences	Summer	Full term	1,228	86%	1,167	87%	1,248	88%	1,697	87%
	Fall	A term	350	82%	355	83%	350	80%	363	82%
		B term	390	77%	376	70%	462	73%	440	80%
		Full term	3,235	77%	3,101	75%	3,119	75%	2,883	76%
	Spring	A term	366	80%	465	87%	425	83%	341	81%
		B term	411	72%	392	78%	460	82%	466	77%
		Full term	3,115	76%	2,868	79%	3,037	81%	2,799	80%
Grand Total			9,095	78%	8,724	79%	9,101	80%	8,989	80%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Source: IR Program Assessment Data

Course Success Rates by IM and Race/Ethnicity (1 of 7)

Course, IM, Race/Ethnicity	2018-2019		2019-2020		2020-2021	
	Enroll	Success	Enroll	Success	Enroll	Success
AST1002	652	79%	717	72%	620	79%
Online	508	77%	593	73%	564	80%
Am. Ind	1	0%	3	100%		
Asian	7	71%	18	83%	12	83%
Black	29	69%	46	63%	53	68%
Hispanic	80	84%	98	71%	94	82%
Native Hawaiian			1	0%	1	100%
Two or More Races	12	75%	23	78%	26	77%
Unknown	8	100%	13	77%	13	92%
White	371	76%	391	73%	365	82%
Lecture	144	85%	124	68%		
Asian	2	100%	4	75%		
Black	10	70%	8	75%		
Hispanic	31	81%	33	55%		
Two or More Races	6	67%	6	50%		
White	90	90%	73	74%		
Hybrid					56	66%
Asian					3	67%
Black					1	0%
Hispanic					11	55%
Native Hawaiian					1	0%
Two or More Races					4	50%
Unknown					2	0%
White					34	79%
BOT1010C	30	87%	27	89%	29	90%
Lecture	30	87%	27	89%		
Black	2	50%	2	100%		
Hispanic	1	100%	2	100%		
Two or More Races	1	100%	1	100%		
Unknown			2	100%		
White	25	88%	20	85%		
Hybrid					29	90%
Black					2	50%
Hispanic					2	100%
Native Hawaiian					1	0%
Two or More Races					1	100%
White					23	96%
BOT2150	9	78%	4	75%	8	75%
Lecture	9	78%	4	75%		
White	8	75%	4	75%		
Hybrid					8	75%
Two or More Races					1	0%
White					7	86%

Course, IM, Race/Ethnicity	2018-2019		2019-2020		2020-2021	
	Enroll	Success	Enroll	Success	Enroll	Success
BSC1005	1156	78%	1080	82%	975	83%
Online					950	84%
Am. Ind					3	100%
Asian					29	90%
Black					125	81%
Hispanic					175	80%
Native Hawaiian					1	100%
Two or More Races					37	78%
Unknown					20	95%
White					560	85%
Lecture	354	75%	294	77%		
Am. Ind			1	0%		
Asian	8	75%	9	100%		
Black	48	58%	39	72%		
Hispanic	64	64%	55	82%		
Native Hawaiian			1	100%		
Two or More Races	13	85%	17	47%		
Unknown	10	90%	7	71%		
White	211	80%	165	79%		
Hybrid	162	87%	198	86%	25	80%
Asian	3	100%	4	100%		
Black	13	92%	23	78%	1	100%
Hispanic	29	76%	40	83%	4	50%
Native Hawaiian			1	100%		
Two or More Races	7	100%	6	100%		
Unknown	3	100%	3	100%		
White	106	88%	121	88%	20	85%
BSC1010C	649	73%	658	74%	738	79%
Online	25	80%	29	86%	568	81%
Asian	1	100%	1	0%	18	100%
Black	2	100%	3	67%	51	80%
Hispanic	5	80%	2	50%	107	72%
Two or More Races			3	100%	27	85%
Unknown					17	88%
White	17	76%	20	95%	348	82%
Lecture	459	71%	454	70%		
Am. Ind			1	100%		
Asian	20	60%	11	82%		
Black	52	54%	40	53%		
Hispanic	77	70%	92	63%		
Two or More Races	23	83%	33	52%		
Unknown	1	100%	7	86%		
White	286	73%	270	76%		
Hybrid	165	78%	175	85%	170	74%
Am. Ind	1	100%	1	100%		
Asian	4	75%	9	89%	6	100%
Black	12	67%	12	92%	13	46%
Hispanic	23	65%	24	88%	40	65%
Native Hawaiian					2	0%
Two or More Races	8	63%	9	100%	7	71%
Unknown	4	100%	1	100%	3	100%
White	112	82%	119	82%	99	80%

Course Success Rates by IM and Race/Ethnicity (2 of 7)

Course, IM, Race/Ethnicity	2018-2019		2019-2020		2020-2021	
	Enroll	Success	Enroll	Success	Enroll	Success
BSC1011C	210	93%	161	98%	227	94%
Online					227	94%
Asian					10	100%
Black					29	83%
Hispanic/Latino					47	96%
Two or More Races					11	91%
Unknown					4	75%
White					126	97%
Lecture	210	93%	161	98%		
Asian	9	89%	5	100%		
Black	20	90%	17	94%		
Hispanic	34	97%	27	100%		
Two or More Races	9	89%	9	100%		
Unknown			3	100%		
White	138	93%	100	98%		
BSC1020	487	72%	453	73%	494	79%
Online	400	73%	387	72%	452	79%
Am. Ind			2	0%	1	0%
Asian	9	89%	8	88%	15	93%
Black	58	47%	50	66%	61	57%
Hispanic	71	77%	72	68%	76	79%
Native Hawaiian			1	100%	2	100%
Two or More Races	16	75%	17	59%	20	70%
Unknown	4	50%	9	78%	6	83%
White	242	78%	228	75%	271	84%
Hybrid					42	81%
Asian					1	100%
Black					5	60%
Hispanic/Latino					10	90%
Two or More Races					2	100%
White					24	79%
Lecture	87	67%	66	79%		
Asian			2	100%		
Black	14	29%	13	62%		
Hispanic	19	58%	8	75%		
Two or More Races	5	80%	1	100%		
Unknown	1	100%	1	0%		
White	47	81%	41	85%		

Course, IM, Race/Ethnicity	2018-2019		2019-2020		2020-2021	
	Enroll	Success	Enroll	Success	Enroll	Success
BSC1085C	1460	68%	1453	69%	1420	69%
Online	376	85%	350	81%	1143	68%
Am. Ind					2	50%
Asian	6	83%	5	100%	41	83%
Black	56	77%	46	70%	158	57%
Hispanic	61	75%	62	82%	257	60%
Native Hawaiian			1	100%	1	0%
Two or More Races	12	83%	12	83%	52	67%
Unknown	7	86%	6	100%	15	67%
White	234	90%	218	83%	617	74%
Hybrid					277	70%
Am. Ind					1	0%
Asian					3	100%
Black					44	59%
Hispanic/Latino					65	66%
Two or More Races					17	53%
Unknown					5	100%
White					142	75%
Lecture	1013	62%	1103	66%		
Asian	24	79%	31	74%		
Black	178	44%	162	43%		
Hispanic	242	68%	261	67%		
Two or More Races	47	53%	54	56%		
Unknown	20	50%	20	70%		
White	501	66%	575	72%		
BSC1086C	890	86%	893	87%	871	85%
Online	358	94%	358	89%	725	85%
Asian	3	100%	8	88%	36	89%
Black	52	85%	39	77%	96	79%
Hispanic	57	96%	63	92%	146	85%
Two or More Races	15	100%	12	100%	31	84%
Unknown	4	100%	7	100%	13	85%
White	226	94%	228	90%	403	86%
Hybrid					146	87%
Black					21	76%
Hispanic/Latino					36	81%
Two or More Races					5	100%
Unknown					3	100%
White					81	91%
Lecture	497	81%	535	86%		
Asian	20	80%	19	89%		
Black	63	63%	75	79%		
Hispanic	121	88%	130	85%		
Two or More Races	25	72%	23	100%		
Unknown	6	67%	6	83%		
White	260	84%	282	87%		

Course Success Rates by IM and Race/Ethnicity (3 of 7)

Course, IM, Race/Ethnicity	2018-2019		2019-2020		2020-2021	
	Enroll	Success	Enroll	Success	Enroll	Success
CHM1020	94	83%	118	89%	123	86%
Online	74	88%	76	92%	123	86%
Asian			3	100%	5	100%
Black	8	75%	6	100%	9	89%
Hispanic	10	90%	18	89%	24	88%
Hawaiian					1	0%
Two or More Races	3	67%	4	100%	8	100%
Unknown	1	100%	5	100%	3	100%
White	52	90%	40	90%	73	84%
Hybrid	20	65%	42	83%		
Asian			1	100%		
Black			5	80%		
Hispanic	6	83%	11	82%		
Unknown			2	100%		
White	12	58%	23	83%		
CHM1025C	526	85%	642	81%	741	84%
Online	137	96%	236	83%	576	85%
Am. Ind					1	0%
Asian	5	100%	5	60%	28	96%
Black	10	100%	29	69%	61	75%
Hispanic	18	100%	39	82%	112	88%
Native Hawaiian			2	50%		
Two or More Races	6	83%	9	89%	23	78%
Unknown	5	100%	4	100%	12	75%
White	92	96%	148	86%	339	86%
Lecture	148	80%	203	74%		
Am. Ind	1	100%	1	100%		
Asian	4	100%	3	67%		
Black	14	79%	21	57%		
Hispanic	32	72%	31	65%		
Two or More Races	5	100%	11	82%		
Unknown	5	100%	5	60%		
White	87	80%	131	79%		
Hybrid	241	82%	203	87%	165	78%
Am. Ind			3	67%		
Asian	11	91%	6	83%	5	60%
Black	28	79%	17	76%	13	77%
Hispanic	45	82%	41	80%	28	82%
Hawaii/Pac	1	0%	1	100%		
Two or More Races	11	82%	9	89%	8	63%
Unknown	2	100%	8	100%	4	100%
White	143	83%	118	90%	107	78%

Course, IM, Race/Ethnicity	2018-2019		2019-2020		2020-2021	
	Enroll	Success	Enroll	Success	Enroll	Success
CHM1045C	401	76%	374	74%	369	61%
Lecture	401	76%	345	75%		
Am. Ind			1	100%		
Asian	14	79%	20	75%		
Black	27	63%	36	75%		
Hispanic	75	73%	51	73%		
Two or More Races	30	57%	26	65%		
Unknown	5	80%	5	40%		
White	250	80%	206	78%		
Online					228	64%
Asian					9	78%
Black					22	32%
Hispanic/Latino					42	62%
Two or More Races					17	47%
Unknown					2	100%
White					136	70%
Hybrid			29	59%	141	56%
Am. Ind					1	0%
Asian					5	80%
Black			3	33%	8	50%
Hispanic			3	33%	25	40%
Two or More Races			2	50%	9	67%
Unknown			1	100%	4	25%
White			20	65%	89	61%
CHM1046C	151	84%	192	86%	115	72%
Online					115	72%
Asian					6	67%
Black					11	73%
Hispanic/Latino					17	71%
Native Hawaiian/Paci					1	100%
Two or More Races					9	56%
White					71	75%
Lecture	151	84%	176	86%		
Asian	8	75%	10	60%		
Black	8	63%	14	93%		
Hispanic	24	79%	33	88%		
Two or More Races	7	86%	10	70%		
Unknown	3	67%	1	100%		
White	101	88%	108	88%		
Hybrid			16	94%		
Asian			1	100%		
Black			1	100%		
Hispanic			1	100%		
Two or More Races			1	100%		
White			12	92%		

Course Success Rates by IM and Race/Ethnicity (4 of 7)

Course, IM, Race/Ethnicity	2018-2019		2019-2020		2020-2021	
	Enroll	Success	Enroll	Success	Enroll	Success
CHM2210C	45	93%	53	77%	33	100%
Lecture	45	93%	53	77%		
Asian			3	67%		
Black	8	88%	2	50%		
Hispanic	11	91%	7	86%		
Two or More Races	3	100%	3	100%		
White	23	96%	38	76%		
Online					33	100%
Asian					2	100%
Black					2	100%
Hispanic/Latino					7	100%
White					22	100%
CHM2211C	36	94%	37	97%	32	91%
Lecture	36	94%	37	97%		
Asian			2	100%		
Black	3	100%	1	100%		
Hispanic	10	100%	7	100%		
Two or More Races			3	67%		
White	20	90%	24	100%		
Online					32	91%
Asian					3	100%
Black					2	100%
Hispanic/Latino					6	67%
White					21	95%
CHM3085			3	100%		
Lecture			3	100%		
Hispanic/Latino			1	100%		
White			2	100%		
EVR2001	462	74%	551	79%	502	75%
Online	347	72%	430	79%	502	75%
Am. Ind			2	50%	1	100%
Asian					5	80%
Black	52	50%	44	68%	64	67%
Hispanic	55	76%	72	81%	82	72%
Hawaiian					3	67%
Two or More Races	7	71%	21	86%	27	74%
Unknown	8	50%	15	87%	15	87%
White	222	77%	276	80%	305	78%
Lecture	115	81%	121	79%		
Asian	1	0%	1	100%		
Black	11	73%	17	88%		
Hispanic	16	94%	20	70%		
Two or More Races	4	25%	5	100%		
Unknown			4	100%		
White	83	83%	74	77%		

Course, IM, Race/Ethnicity	2018-2019		2019-2020		2020-2021	
	Enroll	Success	Enroll	Success	Enroll	Success
EVR2861			22	55%		
Online			22	55%		
Black			3	33%		
Hispanic/Latino			4	100%		
Unknown			1	100%		
White			14	43%		
GLY2010C	9	56%	10	90%	16	88%
Online					16	88%
Black					1	100%
Hispanic/Latino					3	100%
White					12	83%
Hybrid	9	56%	10	90%		
Hispanic	1	100%	1	0%		
Unknown	1	100%	1	100%		
White	6	50%	8	100%		
GIS2040C			8	50%		
Lecture			8	50%		
Asian			1	100%		
Hispanic/Latino			2	50%		
White			5	40%		
MCB1010C	649	90%	669	89%	662	90%
Online	268	88%	321	87%	585	90%
Asian	4	100%	9	78%	23	96%
Black	28	71%	39	79%	83	82%
Hispanic	39	92%	50	78%	135	87%
Native Hawaiian			2	100%		
Two or More Races	14	86%	12	75%	22	86%
Unknown	2	100%	4	75%	8	88%
White	181	90%	205	92%	314	93%
Lecture	273	91%	252	90%		
Asian	8	75%	11	100%		
Black	46	87%	36	81%		
Hispanic	60	92%	54	87%		
Two or More Races	10	90%	10	100%		
Unknown	6	100%	3	100%		
White	141	92%	138	91%		
Hybrid	108	91%	96	95%	77	94%
Asian	6	100%	3	100%	2	100%
Black	17	94%	12	83%	12	75%
Hispanic	17	94%	27	96%	20	95%
Two or More Races	6	100%	4	100%	3	100%
Unknown	2	100%	2	100%	40	98%
White	60	87%	48	96%	80	85%

Course Success Rates by IM and Race/Ethnicity (5 of 7)

Course, IM, Race/Ethnicity	2018-2019		2019-2020		2020-2021	
	Enroll	Success	Enroll	Success	Enroll	Success
MET2010	82	79%	89	76%	80	85%
Online	72	82%	53	77%	68	85%
Am. Ind					1	100%
Asian	2	100%	1	100%	2	100%
Black	7	86%	4	75%	2	100%
Hispanic	6	83%	9	67%	9	89%
Two or More Races	3	67%	1	100%	5	60%
Unknown	1	100%	2	50%	1	0%
White	52	81%	36	81%	48	88%
Hybrid					12	83%
Black					1	0%
Hispanic					1	100%
Unknown					2	100%
White					8	88%
Lecture	10	60%	36	75%		
Asian	2	50%	3	67%		
Black			3	67%		
Hispanic	1	0%	7	86%		
Two or More Races			1	0%		
Unknown			3	67%		
White	7	71%	19	79%		
OCB2000C			12	83%	28	89%
Online					28	89%
Hispanic/Latino					4	100%
Two or More Races					5	80%
White					19	89%
Lecture			12	83%		
Hispanic			3	100%		
White			9	78%		
OCE1001	141	86%	163	77%	190	79%
Online	34	82%	86	84%	171	80%
Am. Ind					1	100%
Asian			1	100%	4	100%
Black	2	50%	6	67%	5	60%
Hispanic	6	100%	10	70%	26	85%
Two or More Races	1	0%	9	78%	10	60%
Unknown			2	100%	2	50%
White	25	84%	58	88%	123	81%
Lecture			28	64%		
Asian			1	100%		
Black			3	33%		
Hispanic/Latino			8	75%		
White			16	63%		
Hybrid	107	87%	49	71%	19	74%
Asian			1	100%	1	100%
Black	3	100%	1	0%	1	100%
Hispanic	12	50%	6	50%	2	50%
Hawaiian					1	0%
Two or More Races	7	86%	2	100%	2	100%
Unknown	2	100%	2	100%	12	75%
White	81	93%	37	73%		

Course, IM, Race/Ethnicity	2018-2019		2019-2020		2020-2021	
	Enroll	Success	Enroll	Success	Enroll	Success
PHY1020	37	73%	48	79%	50	92%
Online	23	83%	35	86%	50	92%
Asian					4	100%
Black	1	100%	1	0%	5	100%
Hispanic	1	100%	4	100%	6	100%
Two or More Races	2	50%	1	0%	3	67%
Unknown			1	100%	2	50%
White	19	84%	28	89%	30	93%
Lecture	14	57%	13	62%		
Black	1	100%	1	100%		
Hispanic	2	0%	2	50%		
Two or More Races			1	0%		
White	9	56%	9	67%		
PHY1053C	89	87%	81	91%	74	81%
Hybrid					74	81%
Asian					5	80%
Black					6	83%
Hispanic					11	73%
Two or More Races					2	100%
Unknown					1	0%
White					49	84%
Lecture	89	87%	81	91%		
Asian	4	50%	7	86%		
Black	7	57%	4	100%		
Hispanic	23	91%	12	83%		
Two or More Races	5	100%	3	100%		
White	50	90%	55	93%		
PHY1054C	42	93%	31	97%	40	100%
Online					15	100%
Black					1	100%
Hispanic/Latino					2	100%
Two or More Races					1	100%
White					11	100%
Hybrid					25	100%
Asian					1	100%
Black					2	100%
Hispanic					2	100%
White					20	100%
Lecture	24	92%	31	97%		
Asian	1	100%	1	100%		
Black	2	50%	1	0%		
Hispanic	2	100%	7	100%		
Two or More Races	2	50%	1	100%		
White	17	100%	21	100%		

Course Success Rates by IM and Race/Ethnicity (6 of 7)

Course, IM, Race/Ethnicity	2018-2019		2019-2020		2020-2021	
	Enroll	Success	Enroll	Success	Enroll	Success
PHY2048C	132	90%	126	89%	97	89%
Online			16	100%	27	81%
Asian			1	100%	1	100%
Black			2	100%	7	86%
Hispanic/Latino			3	100%	5	60%
Two or More Races			1	100%	3	100%
White			9	100%	11	82%
Hybrid					70	91%
Asian					4	100%
Black					6	67%
Hispanic/Latino					13	92%
Two or More Races					2	50%
Unknown					3	100%
White					42	95%
Lecture	132	90%	110	87%		
Am. Ind			1	100%		
Asian	4	100%	10	100%		
Black	9	78%	6	67%		
Hispanic/Latino	36	83%	17	71%		
Two or More Races	7	71%	3	100%		
Unknown	1	100%	2	100%		
White	75	96%	71	90%		
PHY2049C	66	95%	68	97%	65	97%
Online					35	100%
Asian					1	100%
Black					4	100%
Hispanic/Latino					4	100%
Two or More Races					2	100%
White					24	100%
Hybrid					30	93%
Asian					3	100%
Black					2	100%
Hispanic/Latino					8	75%
Unknown					1	100%
White					16	100%
Lecture	66	95%	68	97%		
Am. Ind			1	100%		
Asian	4	100%	4	100%		
Black	3	100%	5	100%		
Hispanic	15	93%	9	100%		
Two or More Races	2	100%	3	100%		
Unknown	1	100%	2	100%		
White	41	95%	44	95%		

Course, IM, Race/Ethnicity	2018-2019		2019-2020		2020-2021	
	Enroll	Success	Enroll	Success	Enroll	Success
PSC1121	197	91%	163	88%	98	82%
Online	197	91%	163	88%	98	82%
Asian	6	83%	3	100%	2	100%
Black	37	97%	25	64%	10	90%
Hispanic	26	88%	27	100%	15	60%
Two or More Races	13	85%	7	86%	4	75%
Unknown	2	100%	5	80%	2	100%
White	113	90%	96	91%	65	85%
BCH3023C	24	100%	19	89%	26	100%
Hybrid	24	100%	19	89%	26	100%
Asian	2	100%	1	100%		
Black	2	100%	1	100%	4	100%
Hispanic/Latino	8	100%	2	100%	4	100%
Two or More Races	1	100%	1	100%		
White	11	100%	14	86%	18	100%
PCB3203	5	100%			6	100%
Lecture	5	100%				
Asian	1	100%				
Hispanic/Latino	1	100%				
Two or More Races	1	100%				
White	2	100%				
Hybrid					6	100%
Asian					1	100%
Hispanic/Latino					2	100%
White					3	100%
PHY3101					3	100%
IS					3	100%
White					3	100%
PHY3513					1	100%
Hybrid					1	100%
White					1	100%

Source: IR Program Assessment Data

Course Success Rates by IM and Race/Ethnicity (7 of 7)

Course, IM, Race/Ethnicity	2019-2020		2020-2021	
	Enroll	Success	Enroll	Success
BOT3151			2	100%
Hybrid			2	100%
White			2	100%
PCB3034C			3	100%
Hybrid			3	100%
White			3	100%
PCB3060			12	100%
Hybrid			12	100%
Black			1	100%
Hispanic/Latino			2	100%
Two or More Races			1	100%
White			8	100%
PHY4424			1	100%
Online			1	100%
White			1	100%
SOS2006	6	83%	12	83%
Online			12	83%
Black			1	100%
Hispanic/Latino			4	100%
Two or More Races			2	50%
Unknown			1	100%
White			4	75%
Hybrid	6	83%		
Black	1	100%		
Hispanic/Latino	1	0%		
White	4	100%		
SWS2007	6	83%	15	67%
Online			15	67%
Black			1	100%
Hispanic/Latino			4	75%
Two or More Races			2	50%
White			8	63%
IS	1	100%		
White	1	100%		
Lecture	5	80%		
Hispanic/Latino	3	67%		
White	2	100%		

Source: IR Program Assessment Data

Overall Success Rates by Race/Ethnicity

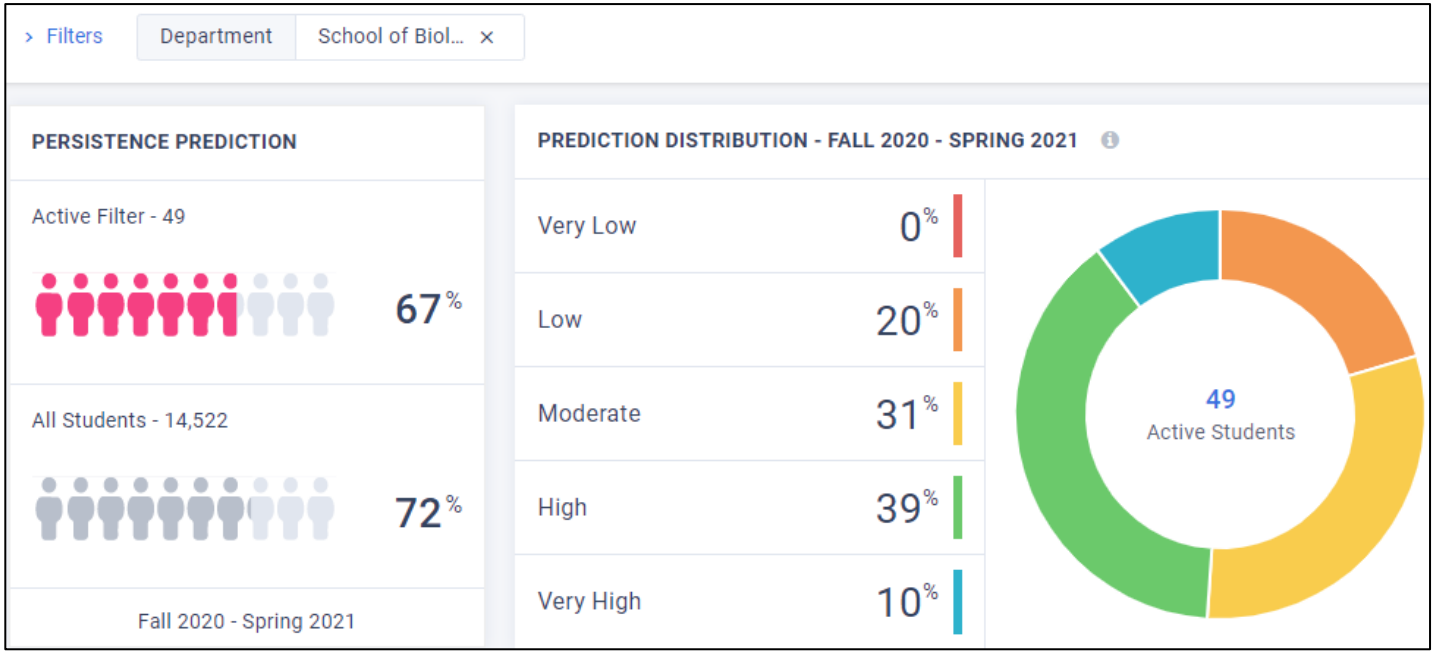
Department/Program/Area	2018-2019		2019-2020		2020-2021	
	Enrolled	Success	Enrolled	Success	Enrolled	Success
American Indian/Alas	10	60%	20	65%	12	58%
Asian	224	82%	254	85%	296	90%
Black	1038	65%	1033	69%	1019	71%
Hispanic/Latino	1607	79%	1703	77%	1738	77%
Native Hawaiian/Paci	11	64%	12	83%	15	47%
Two or More Races	383	76%	425	75%	426	75%
Unknown	132	83%	185	84%	172	83%
White	5319	82%	5469	82%	5311	83%
Grand Total	8784	79%	9101	80%	8989	80%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

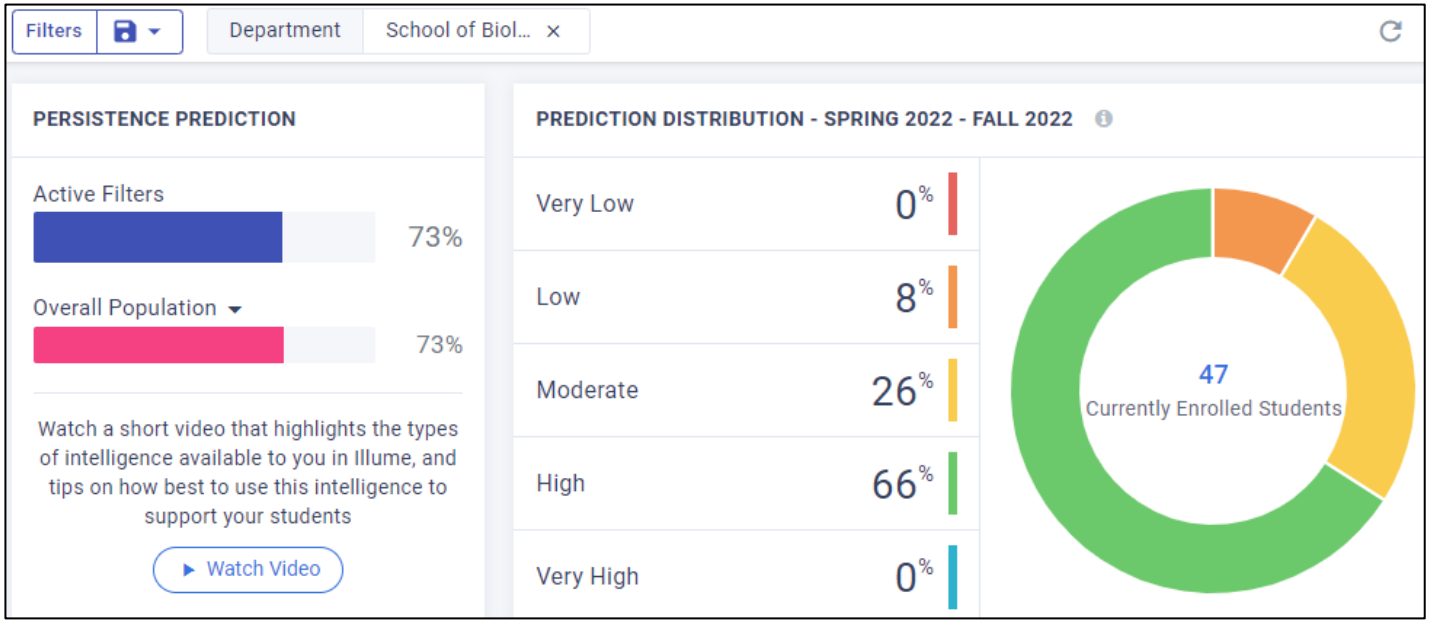
Source: IR Program Assessment Data

Civitas

Captured on 10/2/2020

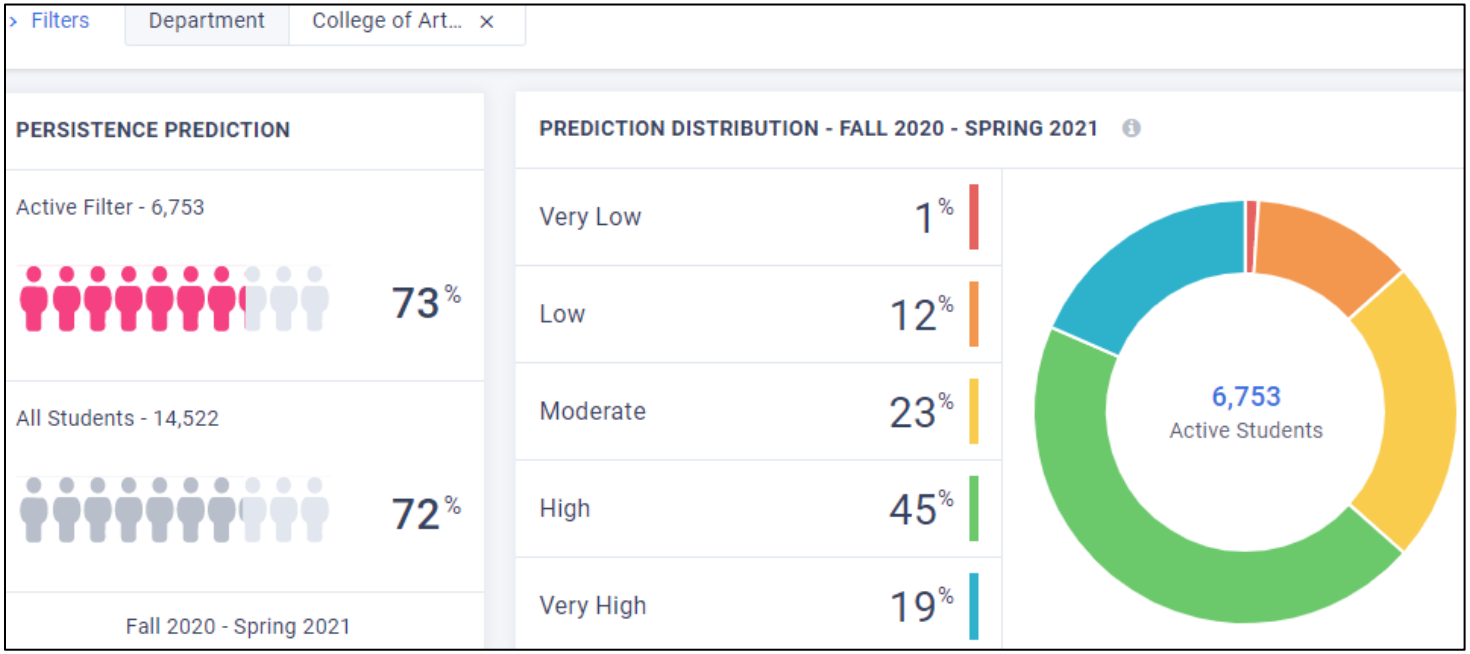


Captured on 1/19/2022



Civitas

Captured on 10/2/2020



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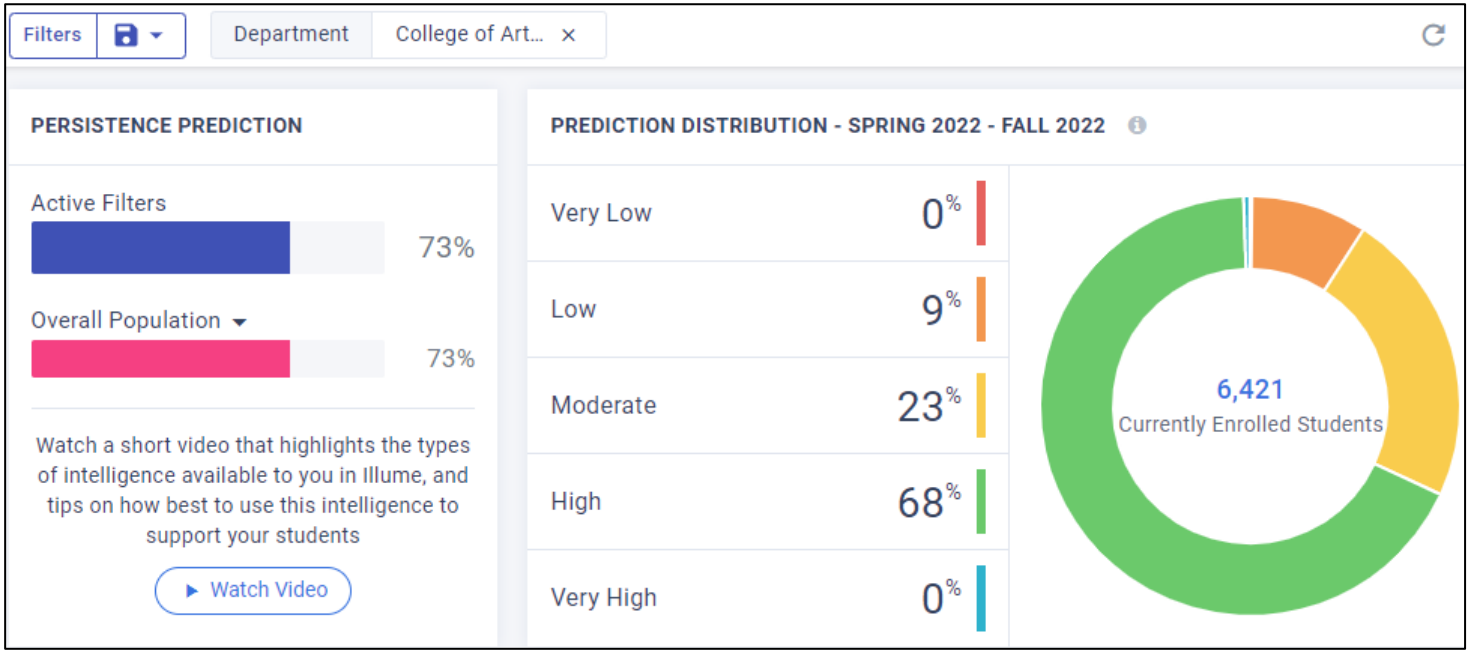
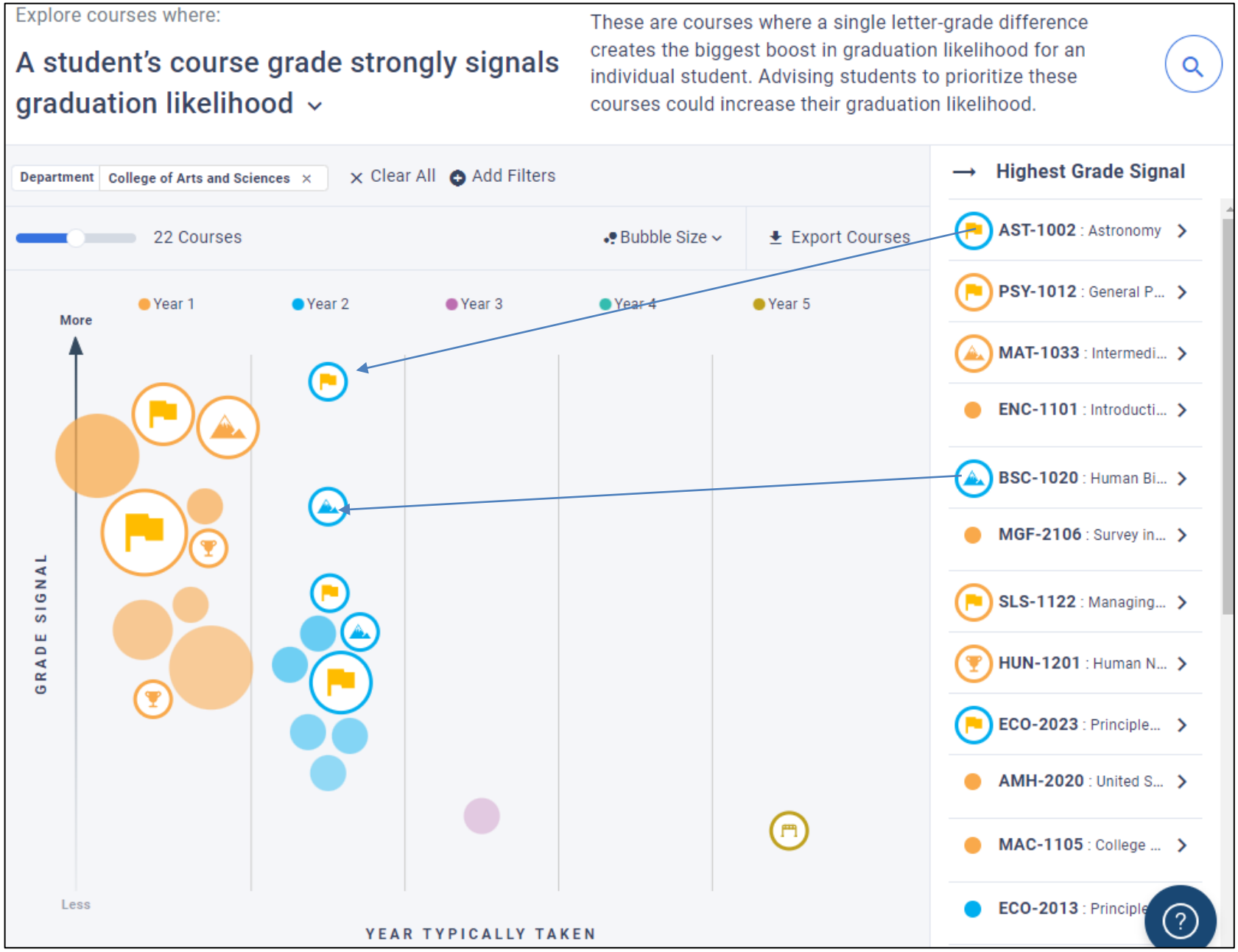


Civitas



Captured on 1/19/2022