ASSESSMENT DAY

College of Arts and Sciences

School of Biological and Physical Sciences

January 31, 2020

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

Last Assessment Day – Action Items

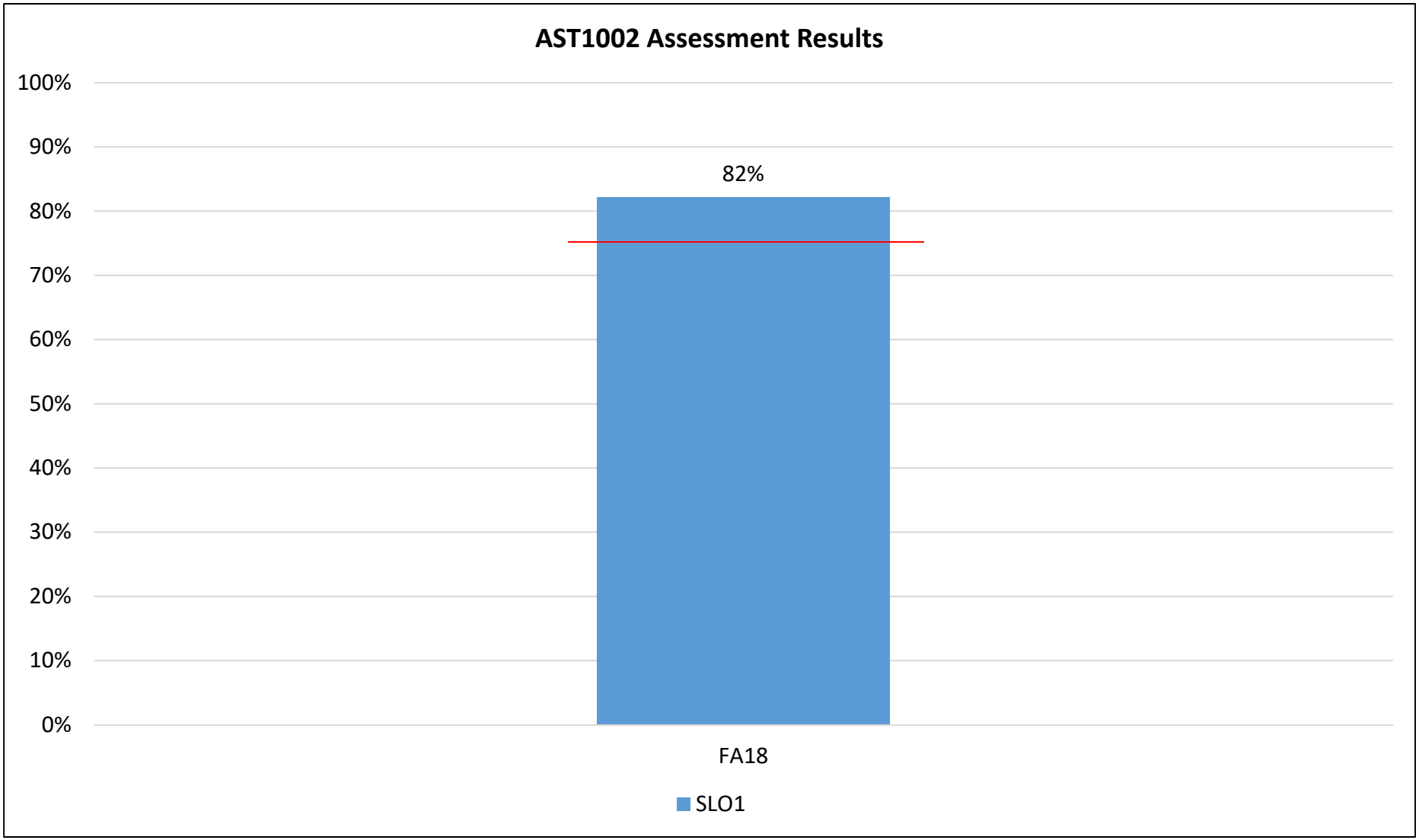
Assessment Meeting: November 19, 2018

- Work with IE to revise outcomes, assessment measures, and targets once new curriculum is in place;
- Remake/Edit the pathways (in writing);
- Host a cross training in the spring to assist advisors with pathways & students choosing correct courses;
- Look into Adjuncts serving as tutors (for less pay, per Salary Guidelines).
- Karla to check with ASC regarding science tutoring;

AST1002 - Course Learning Outcomes

SLO1:Understand and relate the historical evolution of astronomy, including its impact on religious and philosophical thought from its inception to current day. *(1,2,3,4)*

AST1002 - Course Assessment Results 2018-2019



2018-19 Success Rate: 79%

BCH3023C - Course Learning Outcomes – No report

SLO1: Demonstrate knowledge of amino acids, proteins, carbohydrates, lipids, structure and function.

SLO2: Demonstrate knowledge of biological membranes and transportation.

SLO3: Demonstrate knowledge of the basic concepts of cellular metabolism and storage.

SLO4: Demonstrate knowledge of cellular signaling.

BOT1010C - Course Learning Outcomes

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

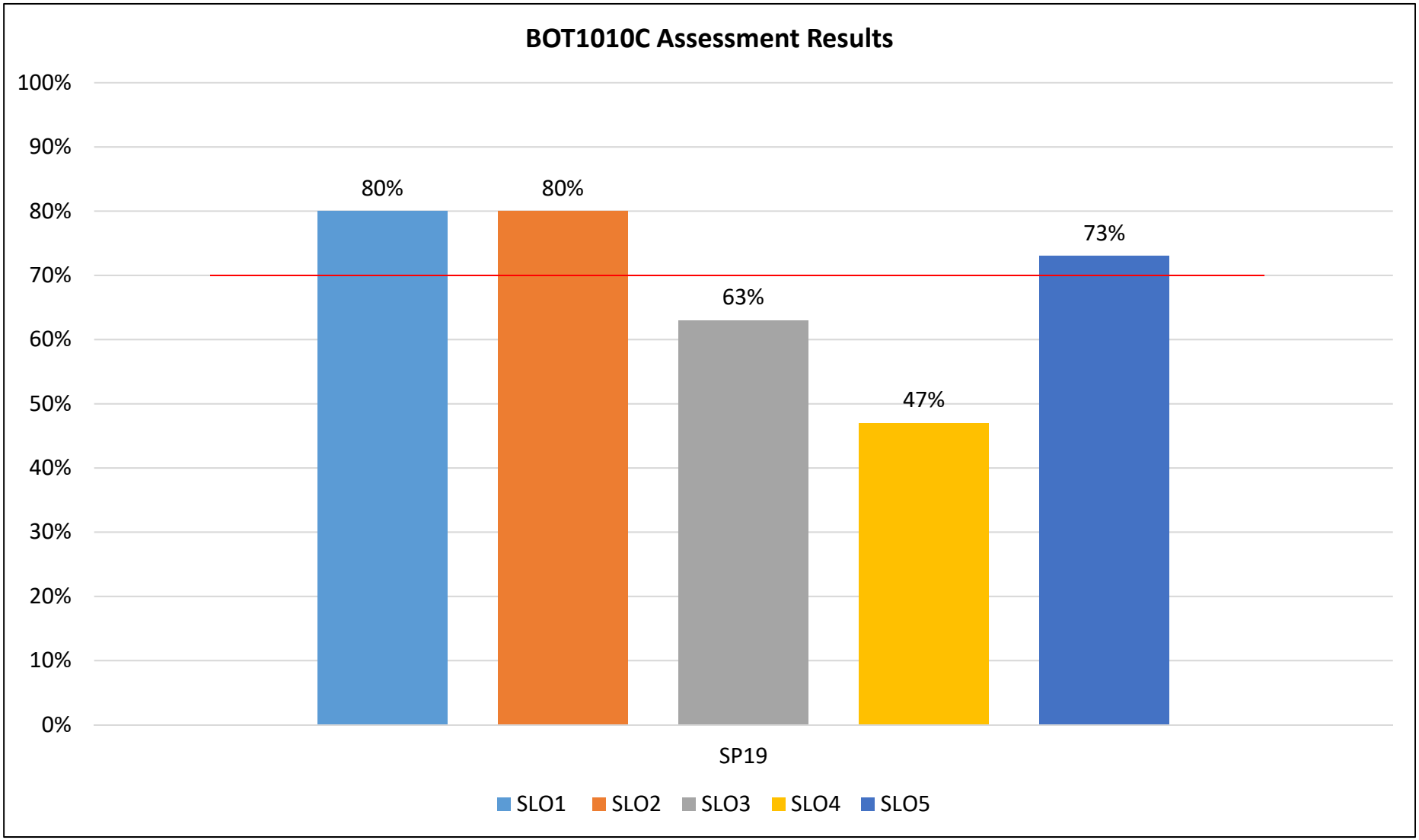
SLO 2: Identify the structure and functions of plant cells, the development of cells into tissues, and tissues into organs. *(1)*

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)*

SLO5: Identify and analyze the major taxa of the plant kingdom. *(1)*

BOT1010C - Course Assessment Results 2018-2019



2018-19 Success Rate: 87%

Results given in averages

BOT2150 - Course Learning Outcomes

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

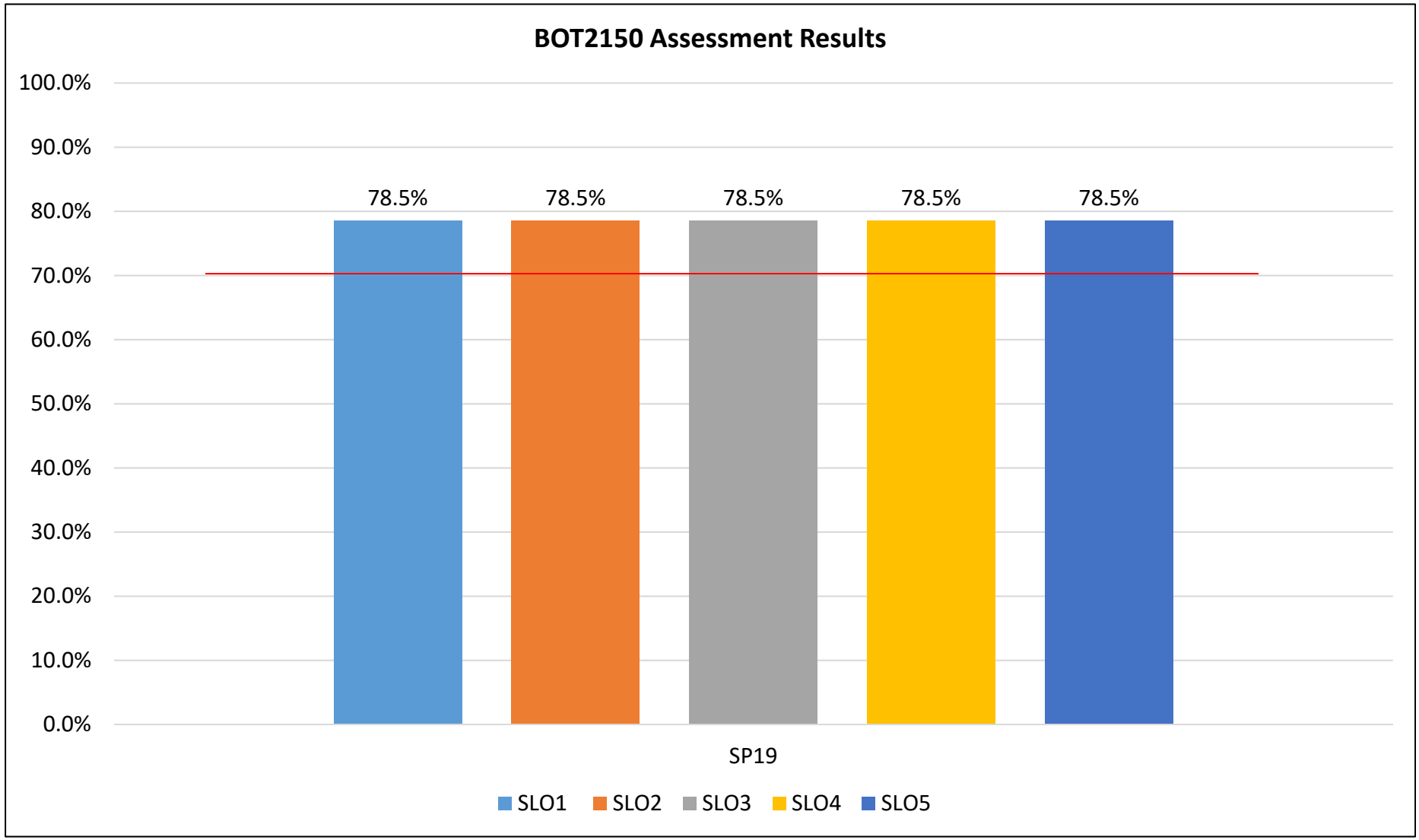
SLO 2: Compile species lists for different habitat types. *(4)*

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

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

SLO5: Gain a working familiarity with the distribution and composition of central Florida vegetation communities. *(1,3,4)*

BOT2150 - Course Assessment Results 2018-2019



2018-19 Success Rate: 78%

Results given in averages

BSC1005 - Course Learning Outcomes

SLO1: Identify basic plant and animal cell organelles and their function. *(1)*

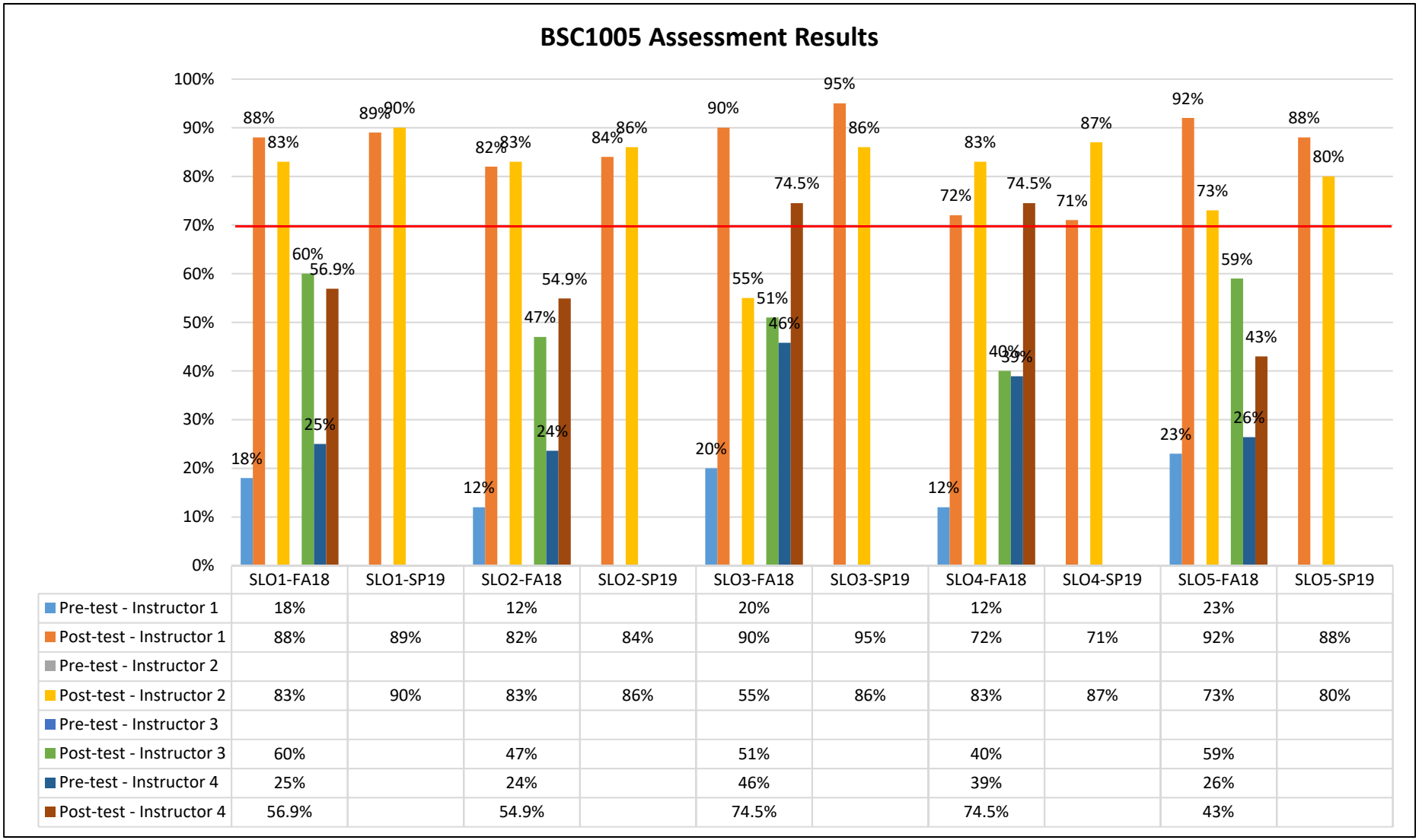
SLO2: Name and describe the processes of mitosis. *(1)*

SLO3: Use the principles of heredity to solve one gene problems. *(1)*

SLO4: Describe the biological classification of organisms and give examples of each group. *(1)*

SLO5: Identify male and female reproductive organs and their function. *(1)*

BSC1005 - Course Assessment Results 2018-2019



	SLO1-FA18	SLO1-SP19	SLO2-FA18	SLO2-SP19	SLO3-FA18	SLO3-SP19	SLO4-FA18	SLO4-SP19	SLO5-FA18	SLO5-SP19
Pre-test - Instructor 1	18%		12%		20%		12%		23%	
Post-test - Instructor 1	88%	89%	82%	84%	90%	95%	72%	71%	92%	88%
Pre-test - Instructor 2										
Post-test - Instructor 2	83%	90%	83%	86%	55%	86%	83%	87%	73%	80%
Pre-test - Instructor 3										
Post-test - Instructor 3	60%		47%		51%		40%		59%	
Pre-test - Instructor 4	25%		24%		46%		39%		26%	
Post-test - Instructor 4	56.9%		54.9%		74.5%		74.5%		43%	

2018-19 Success Rate: 78%

BSC1010C - Course Learning Outcomes

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

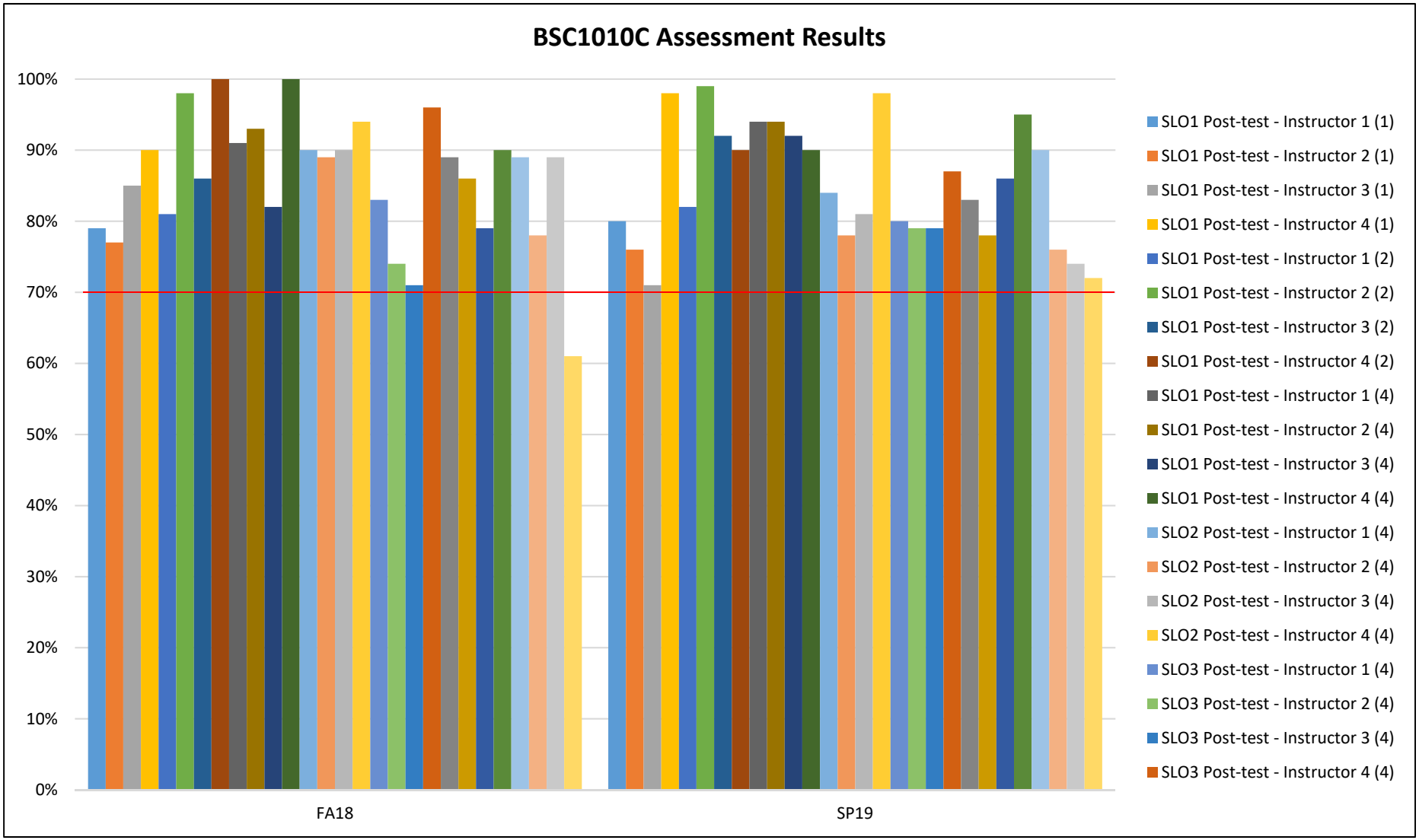
SLO 2: Distinguish between the different types of cells and identify basic cellular structures and their functions. *(1)*

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. *(1)*

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)*

BSC1010C - Course Assessment Results 2018-2019



2018-19 Success Rate: 73%

BSC1011C - Course Learning Outcomes

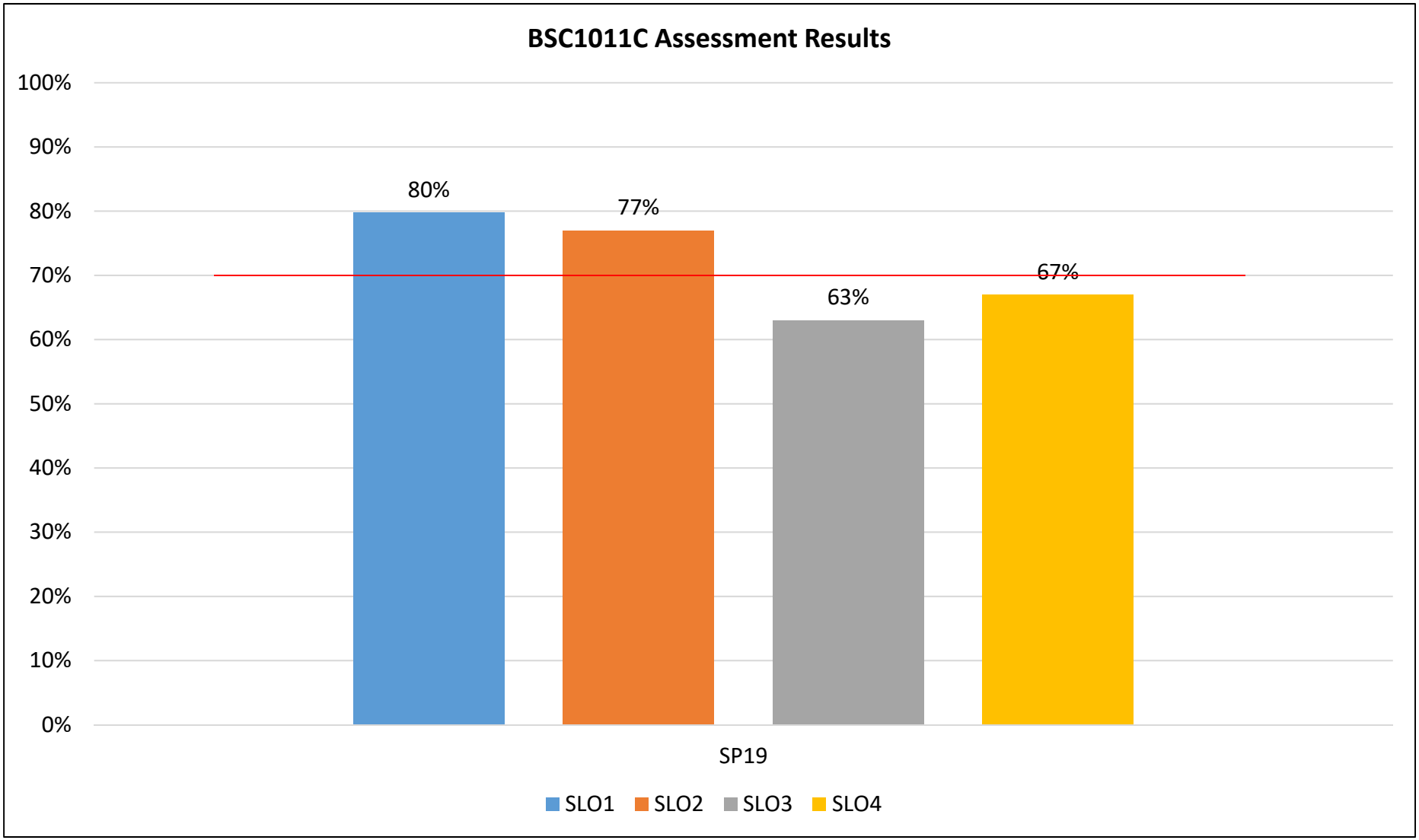
SLO 1: Observe and evaluate the characteristic features of the major phyla. *(1,3,4)*

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)*

BSC1011C - Course Assessment Results 2018-2019



2018-19 Success Rate: 93%

BSC1020 - Course Learning Outcomes

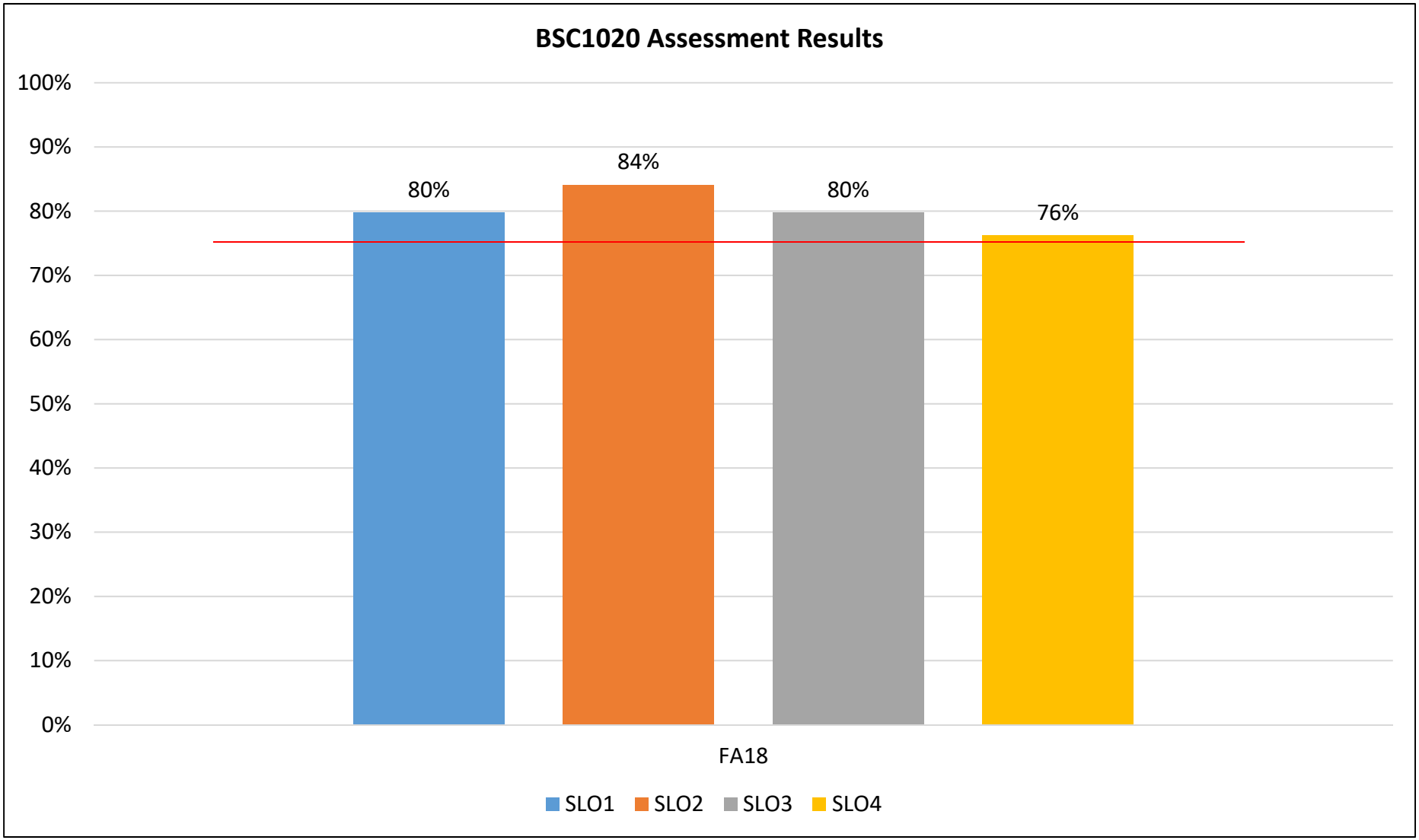
SLO 1: Evaluate the differences between living and nonliving things. *(1)*

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)*

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

BSC1020 - Course Assessment Results 2018-2019



2018-19 Success Rate: 72%

BSC1086C - Course Learning Outcomes

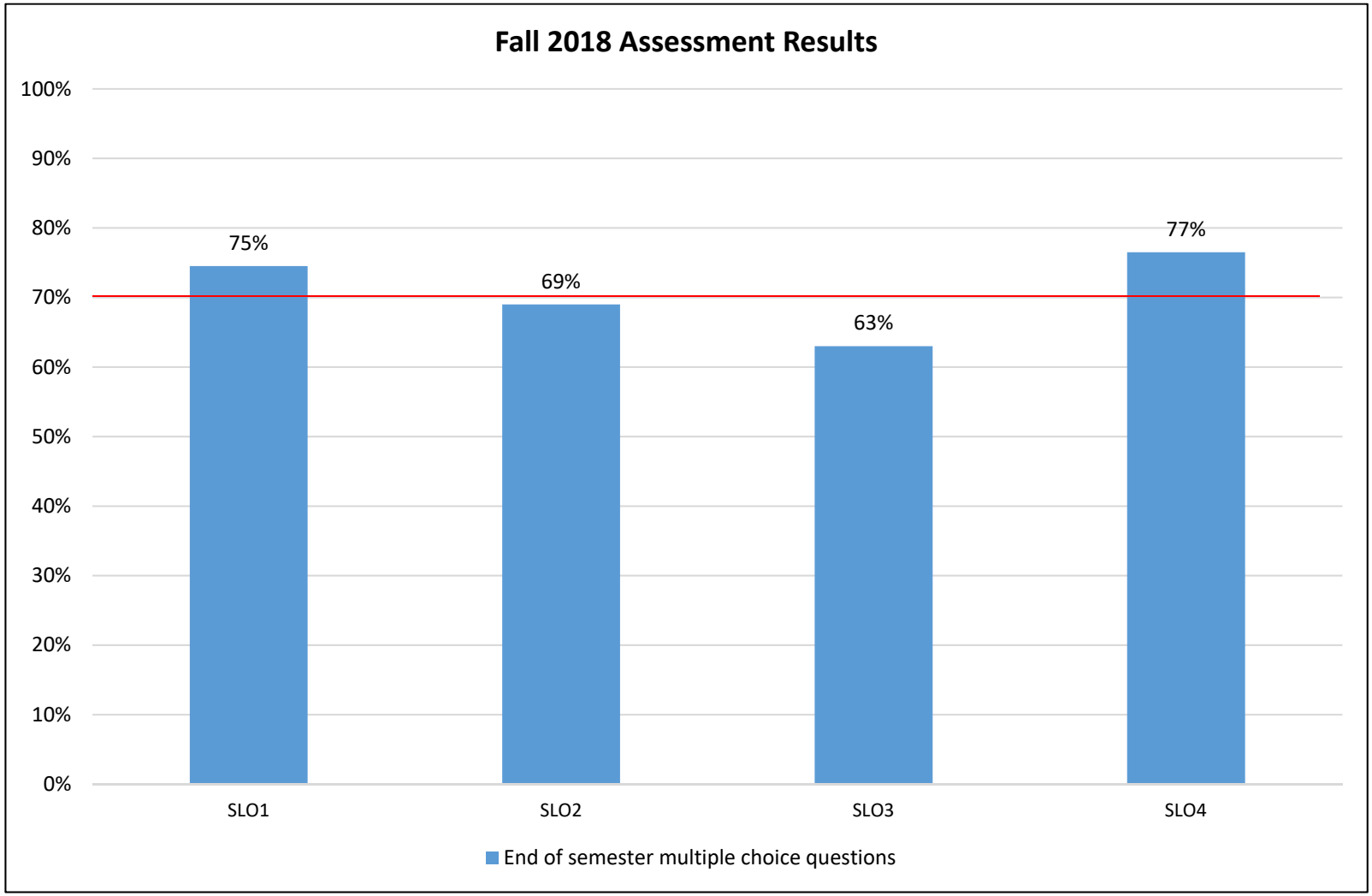
SLO 1: Identify the structures and organs of the ANS, digestive, urinary, circulatory, respiratory, endocrine and reproductive systems. *(1)*

SLO 2: Explain the physiology of the above seven systems. *(1)*

SLO 3: Demonstrate the homeostatic mechanisms of each system. *(1)*

SLO 4: Demonstrate the interrelationships between the systems studied and how they relate to the well-being of the human organism. *(1)*

BSC1086C - Course Assessment Results 2018-2019



2018-19 Success Rate: 86%

CHM1025C - Course Learning Outcomes

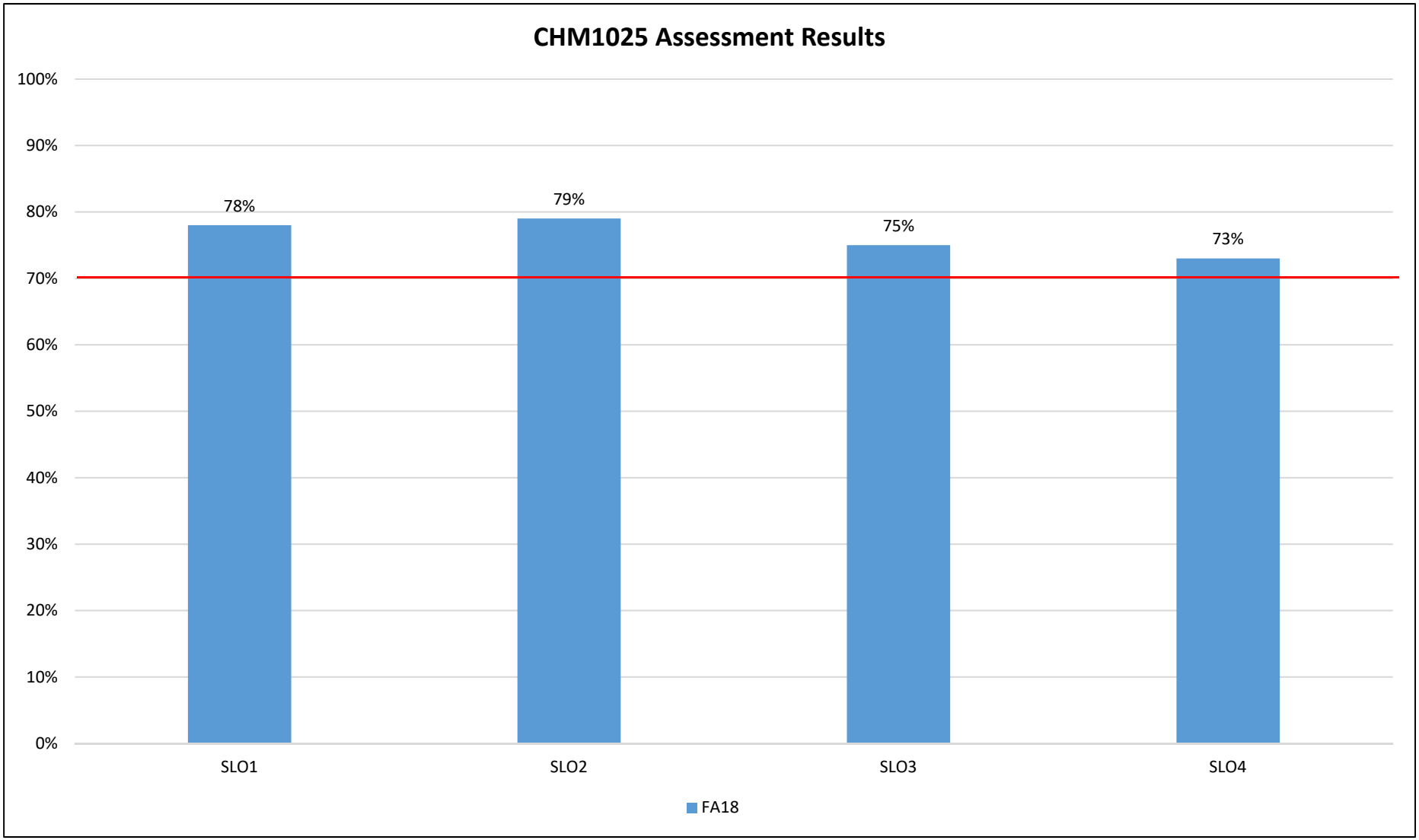
SLO 1: Demonstrate that all measured numbers contain a certain degree of error. *(1,2,4)*

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)*

CHM1025C - Course Assessment Results 2018-2019



2018-19 Success Rate: 85%

CHM1045C - Course Learning Outcomes

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

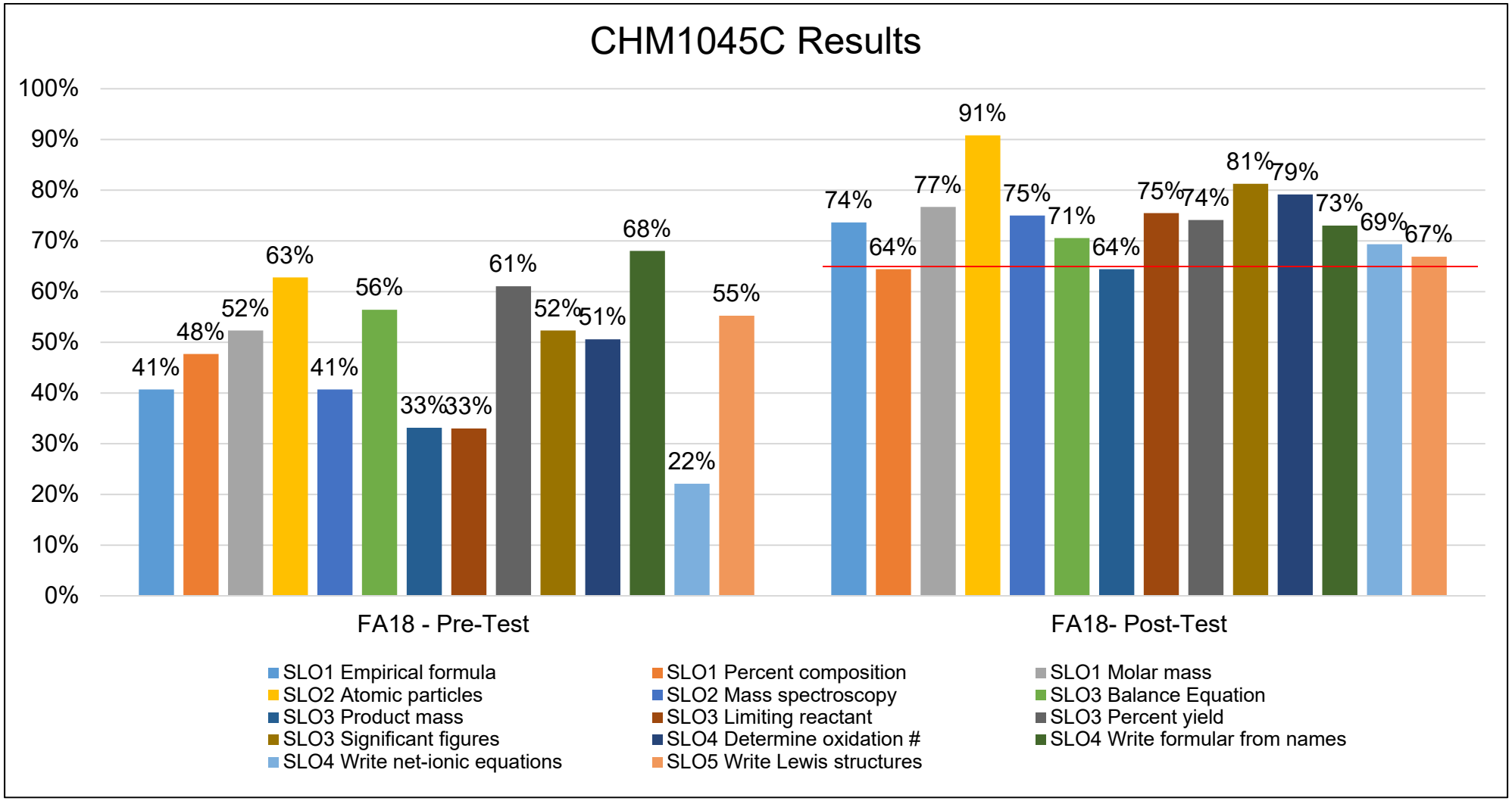
SLO 2: Describe both the gross and fine structures of the atom, with emphasis on correct electron configuration. *(1)*

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)*

CHM1045C - Course Assessment Results 2018-2019



2018-19 Success Rate: 76%

CHM1046C - Course Learning Outcomes

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)*

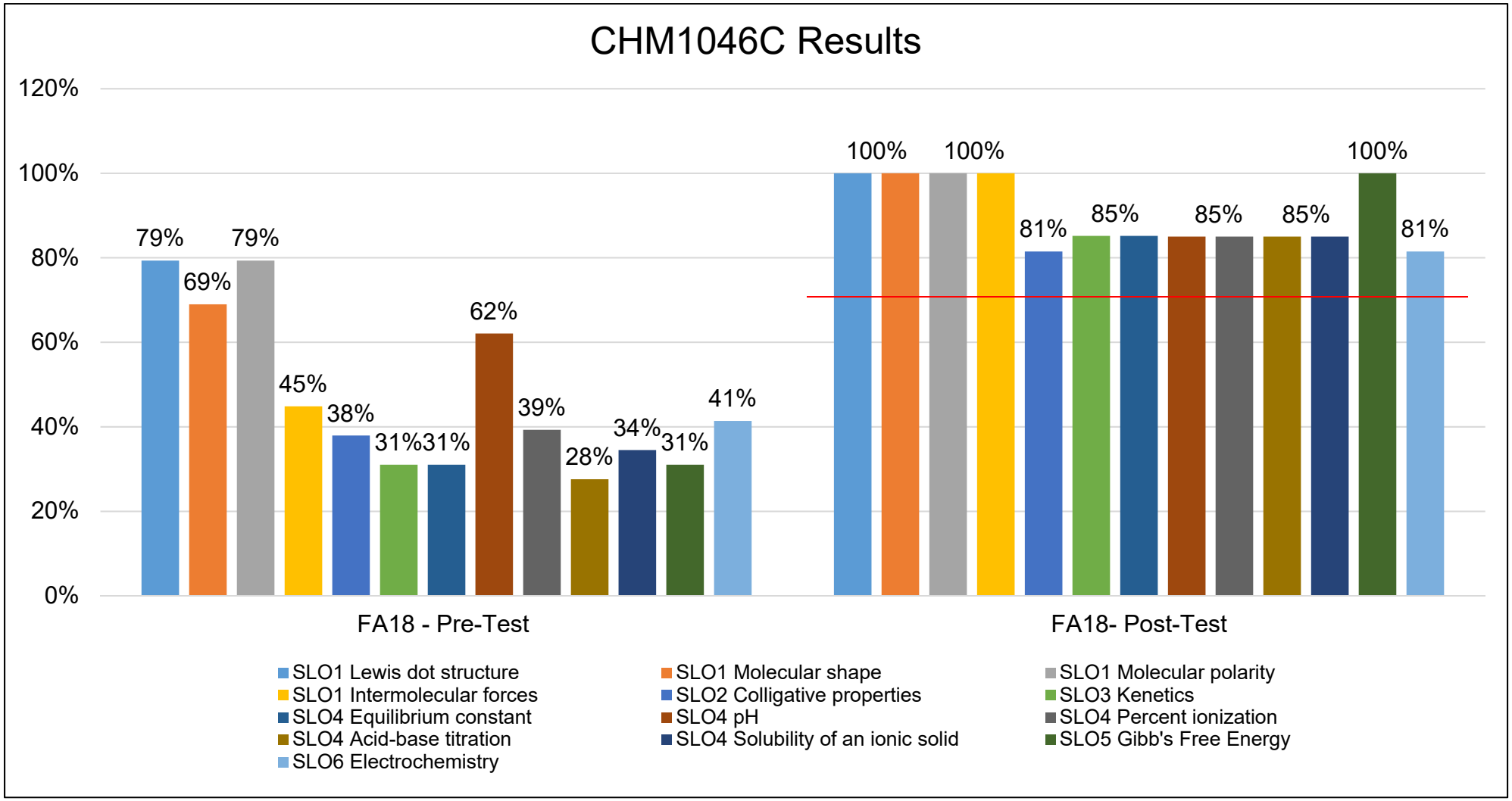
SLO 3: Interpret mathematically and graphically chemical kinetics data to ascertain kinetic and mechanistic information about reactions. *(1,4)*

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)*

CHM1046C - Course Assessment Results 2018-2019



2018-19 Success Rate: 86%

CHM2210 - Course Learning Outcomes

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

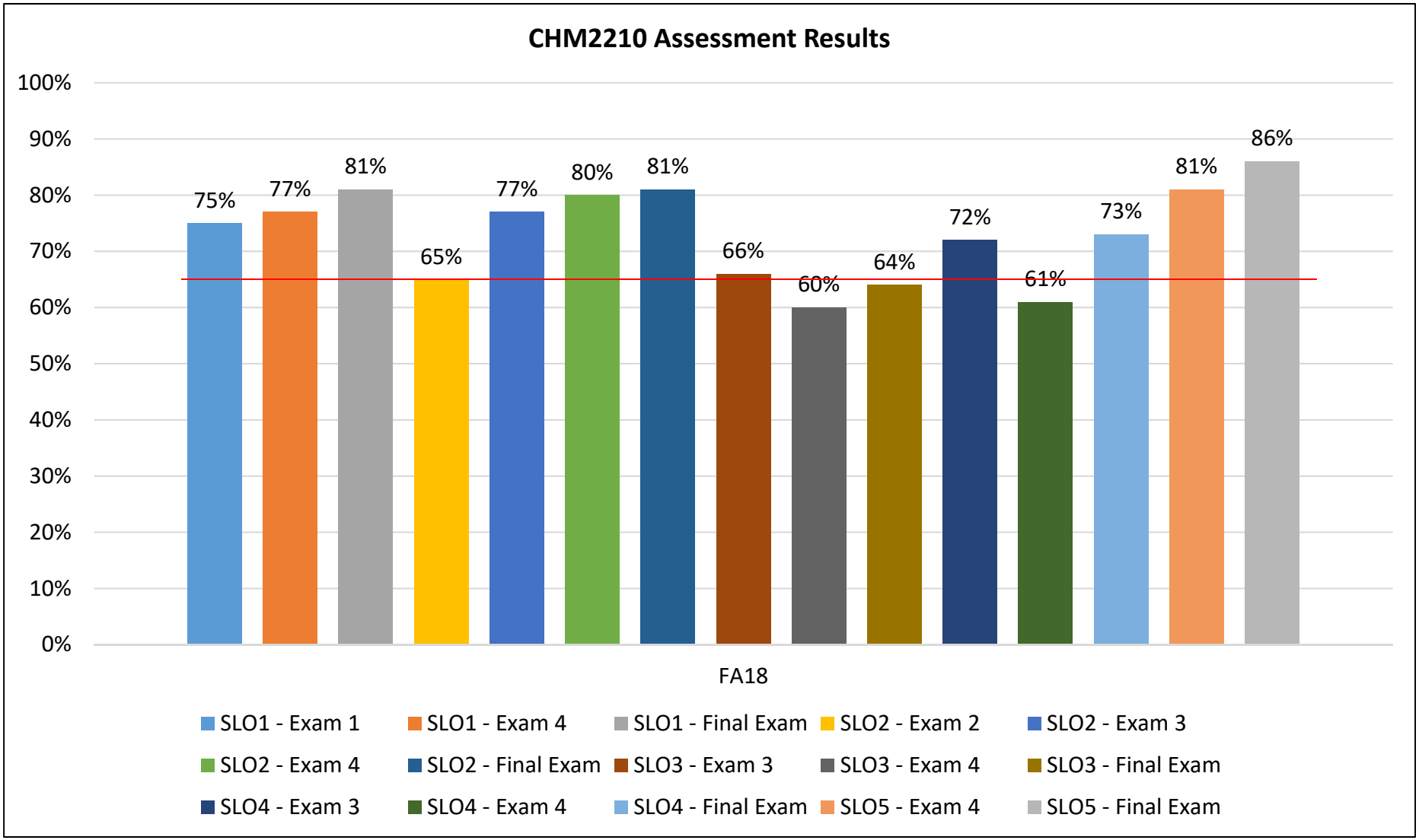
SLO 2: Identify the products of chemical reactions of the functional groups covered. *(1)*

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)*

CHM2210 - Course Assessment Results 2018-2019



2018-19 Success Rate: 93%

CHM2211 - Course Learning Outcomes

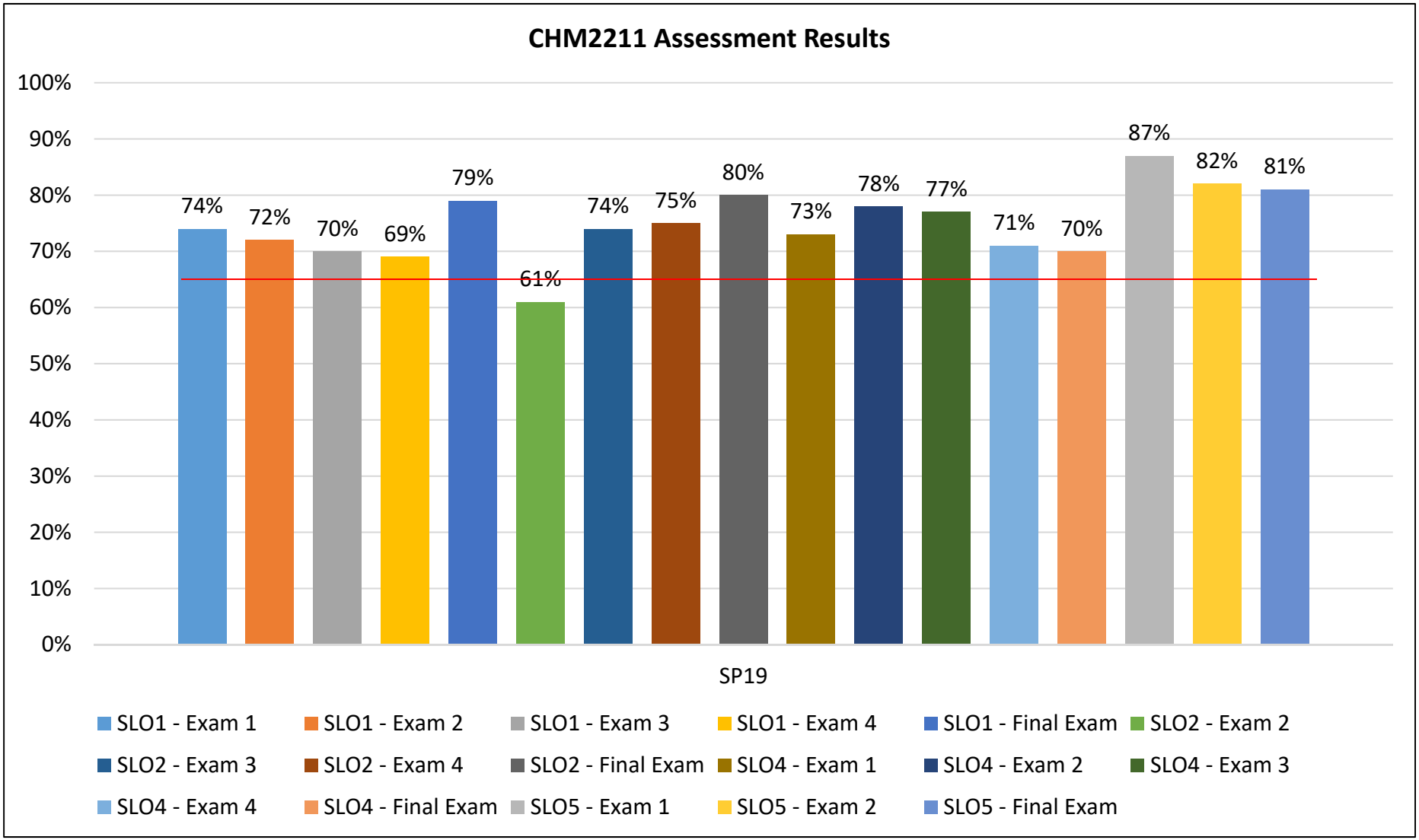
SLO 1: Identify the products of chemical reactions of the functional groups covered in the course. *(1,2)*

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)*

CHM2211 - Course Assessment Results 2018-2019



2018-19 Success Rate: 94%

EVR2001 - Course Learning Outcomes

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

SLO 2: Demonstrate knowledge of the management and remediation of soil resources. *(1)*

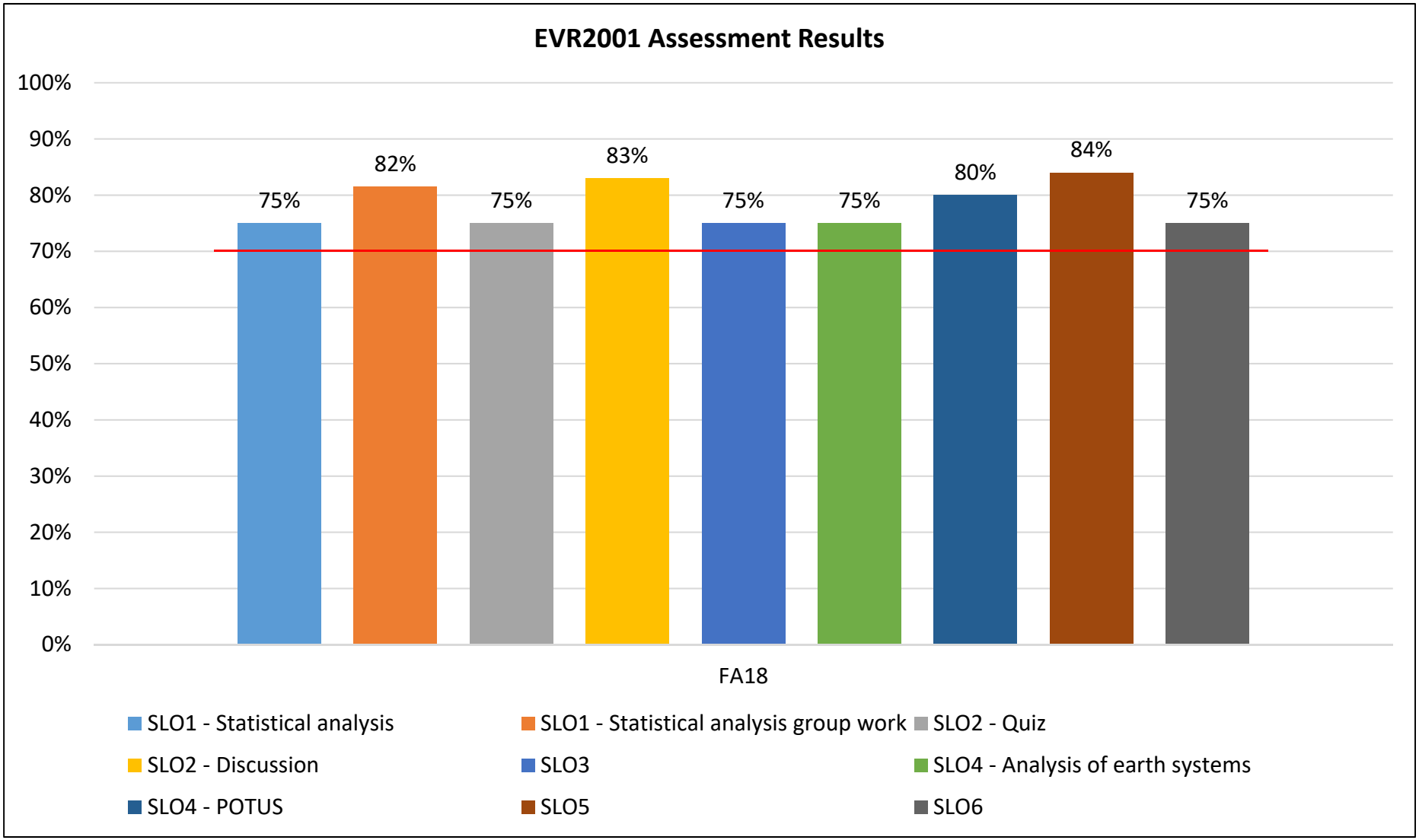
SLO 3: Demonstrate understanding of water resources and remediation and employ basic math to solve common water/soil related problems. *(1)*

SLO 4: Will understand and demonstrate basic environmental assessment. *(1,2)*

SLO5: Demonstrate basic environmental science vocabulary. *(1,2,4)*

SLO6: Demonstrate understand of air resources and remediation. *(1,4)*

EVR2001 - Course Assessment Results 2018-2019



2018-19 Success Rate: 74%

Spring 19 report showed different results

GLY2010C - Course Learning Outcomes

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)*

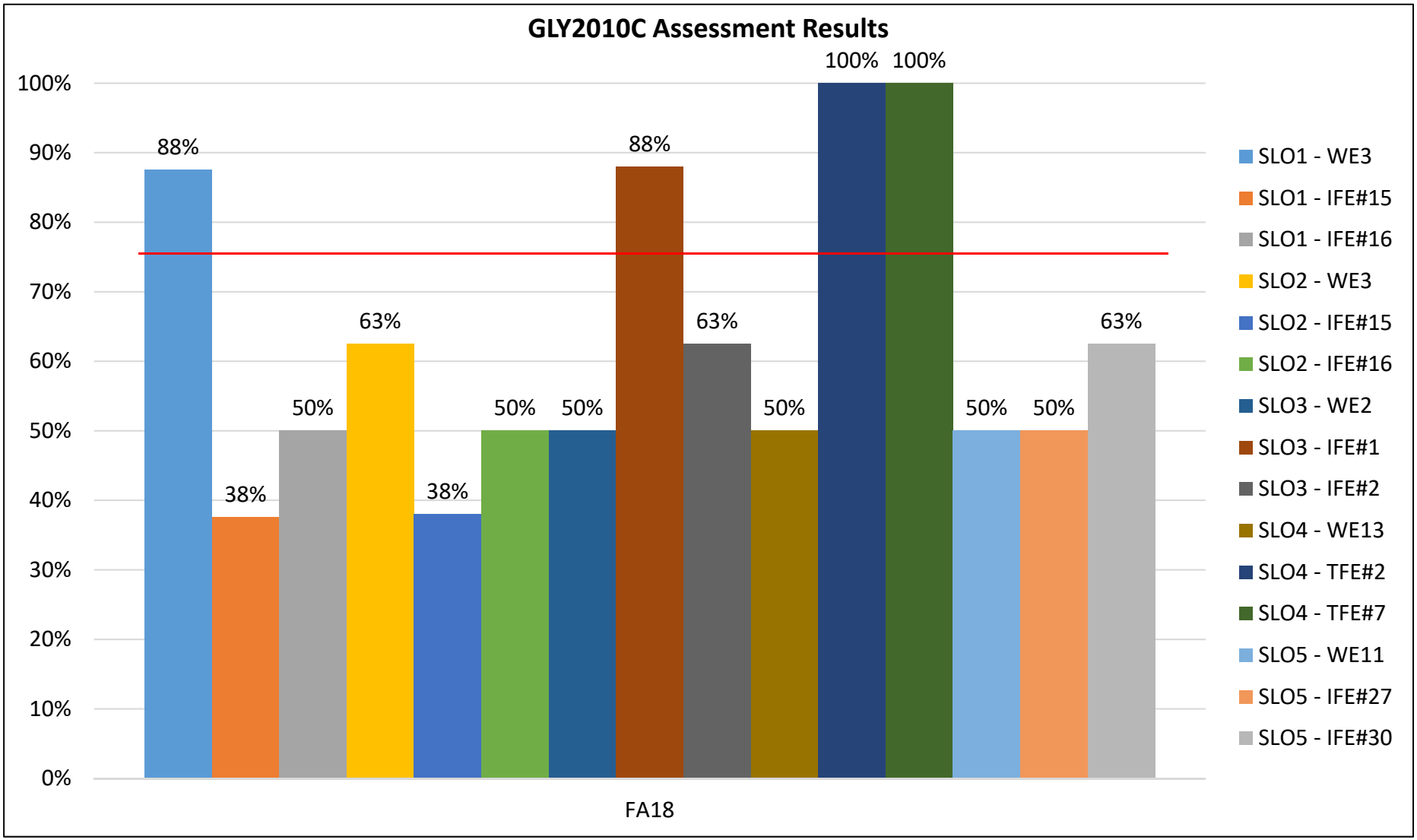
SLO 2: Explain the basic structure of the earth and the nature of solid earth materials. *(1,2,4)*

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)*

SLO5: 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)*

GLY2010C - Course Assessment Results 2018-2019



2018-19 Success Rate: 56%

MCB1010C - Course Learning Outcomes

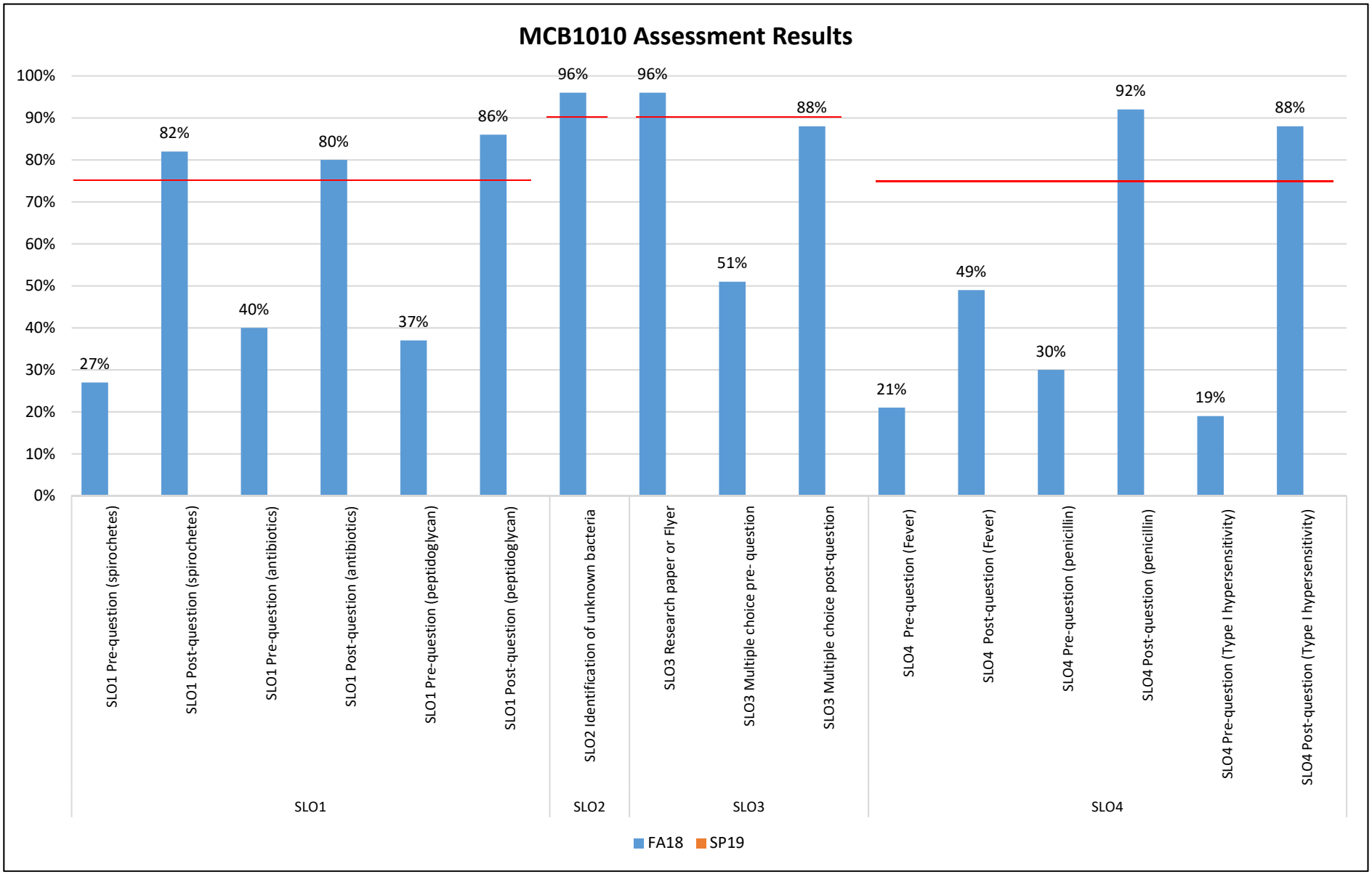
SLO 1: Describe morphological and structural features of bacteria and its function in the organism. *(1)*

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)*

MCB1010C - Course Assessment Results 2018-2019



2018-19 Success Rate: 90%

OCE1001 - Course Learning Outcomes

SLO 1: Identify Earth's oceans ad their major features on a map of the world. *(1,2,4)*

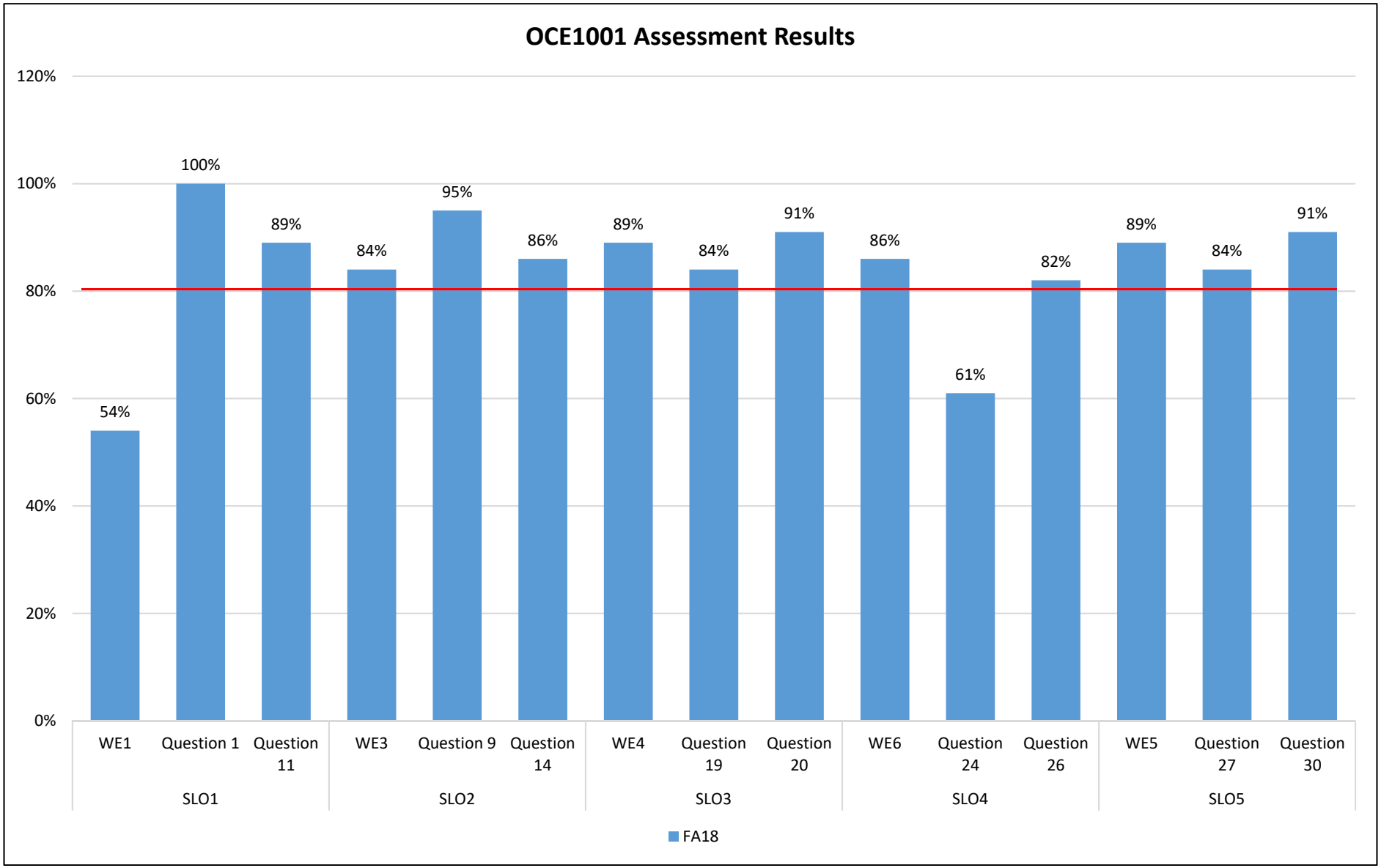
SLO 2: Explain plate tectonics and the features of the sea floor including the sediments, rocks and mineral deposits. *(1,2,4)*

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

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

SLO5: Distinguish types of ocean currents and the causes and nature of tides and waves. *(1,2,4)*

OCE1001 - Course Assessment Results 2018-2019



2018-19 Success Rate: 86%

OCE2013C - Course Learning Outcomes – No Report

SLO 1: Research and evaluate the multi-disciplinary phenomena that occur in the aquatic environment.

SLO 2: Calibrate and operate field and laboratory equipment for water quality measurements.

SLO 3: Appropriately collect water and sediment samples from various field locations for field and laboratory analysis.

SLO 4: Prepare graphics to suitably support the interpretation of field observations and laboratory analysis.

SLO5: Design and defend an effective presentation of their data.

PCB3060 - Course Learning Outcomes – No Report

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

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

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

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

SWS2007 - Course Learning Outcomes

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)*

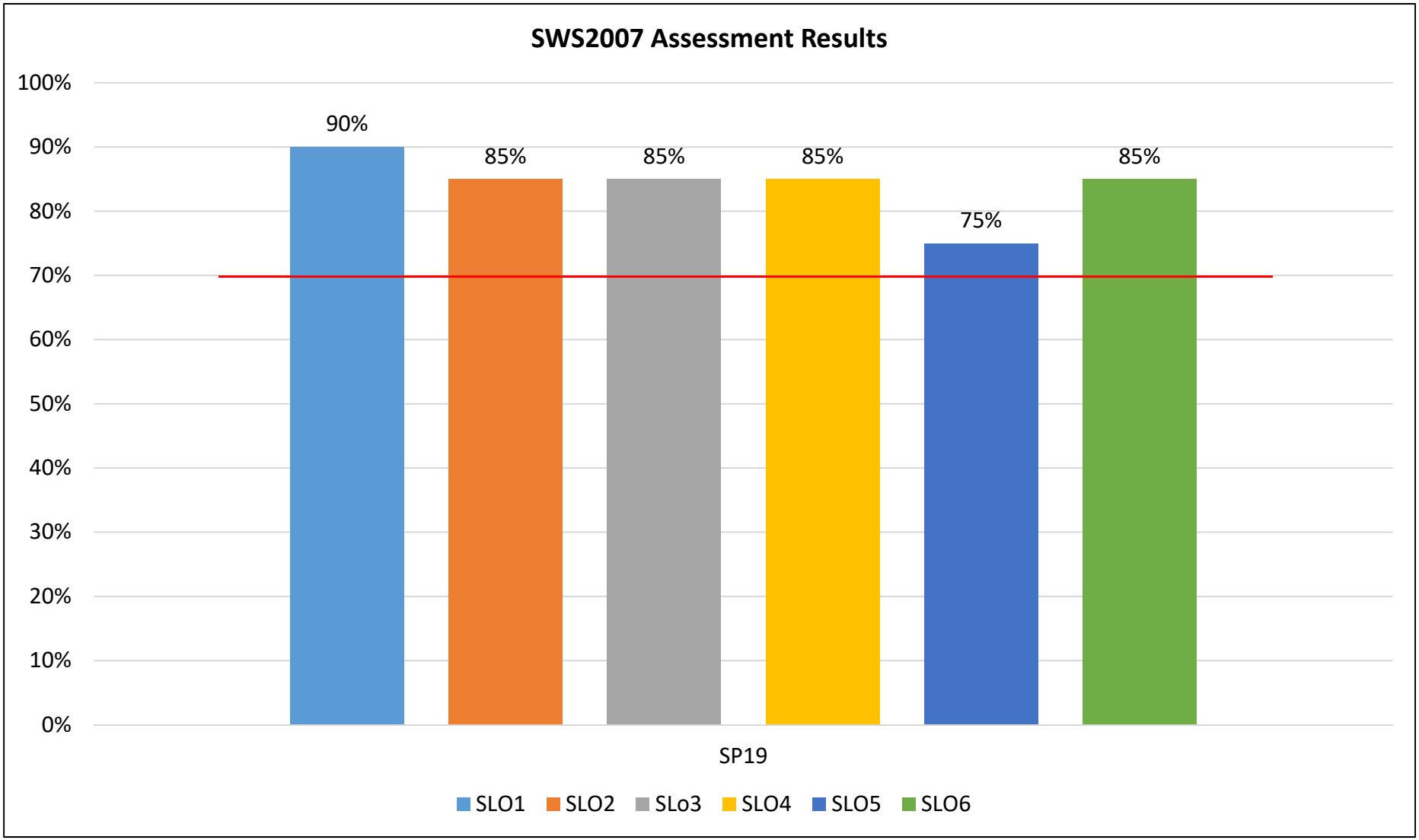
SLO 3: Utilize field observations, case study evidence and experimental data to describe soil formation, morphology, and interactions of the varied components of the hydrologic cycle. *(1,2,3,4)*

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

SLO5: Demonstrate quantitative problem-solving abilities by applying, analyzing and synthesizing content knowledge related to soil and water chemistry and physics. *(1,2,3,4)*

SLO6: Create, interpret and analyze written text, oral messages and multimedia presentations used in agricultural and life sciences. *(1,2,3,4)*

SWS2007 - Course Assessment Results 2018-2019



2018-19 Success Rate: 100%

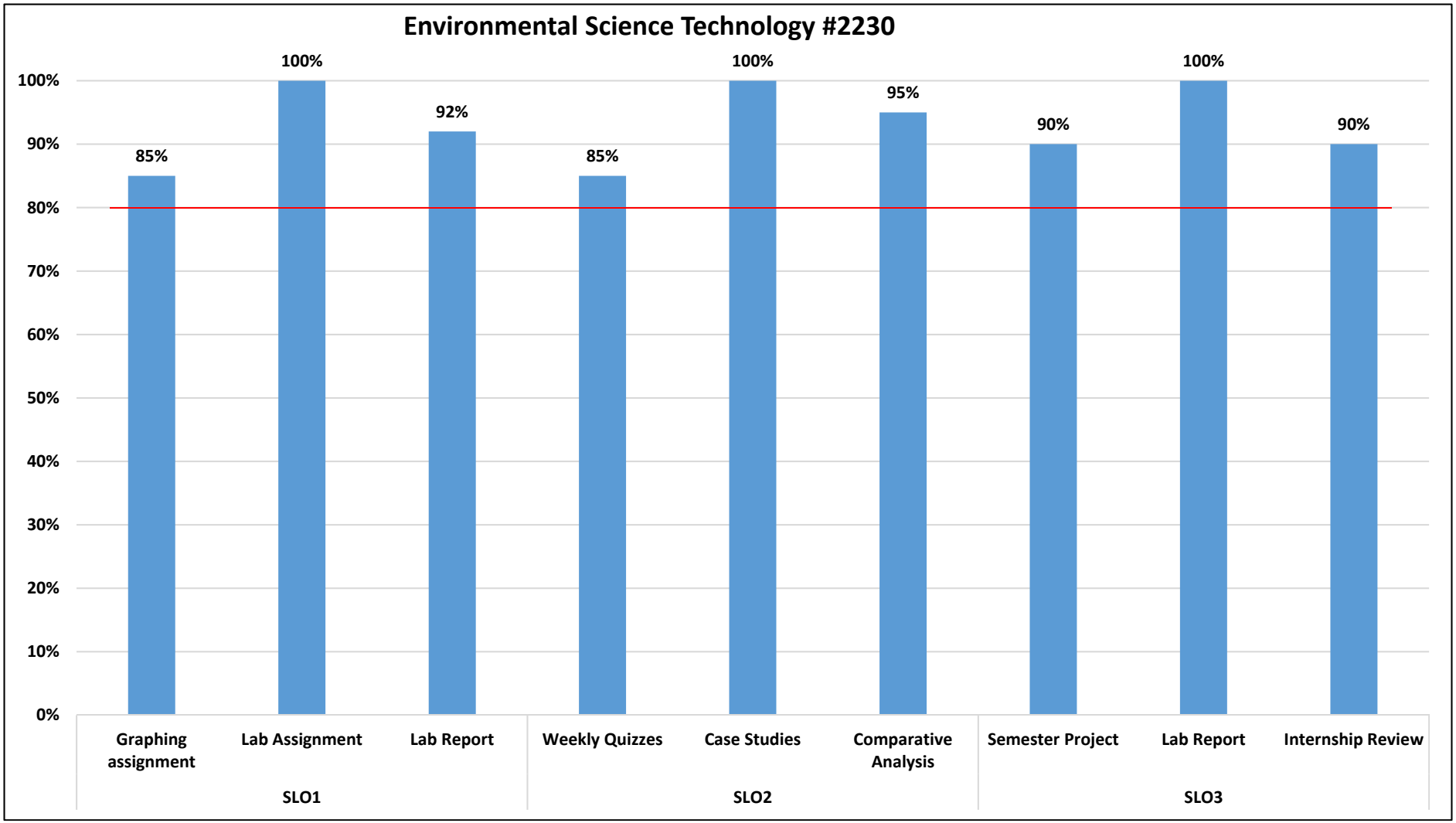
Environmental Science Technology # 2230
Program Learning Outcomes

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

SLO 2: Students will be able to apply interdisciplinary perspectives and approaches in order to critically analyze and evaluate environmental issues on local and global scales. *(1,2,4)*

SLO 3: Students will be able to monitor, sample and evaluate environmental conditions and design effective presentations of their data. *(1, 2, 4)*

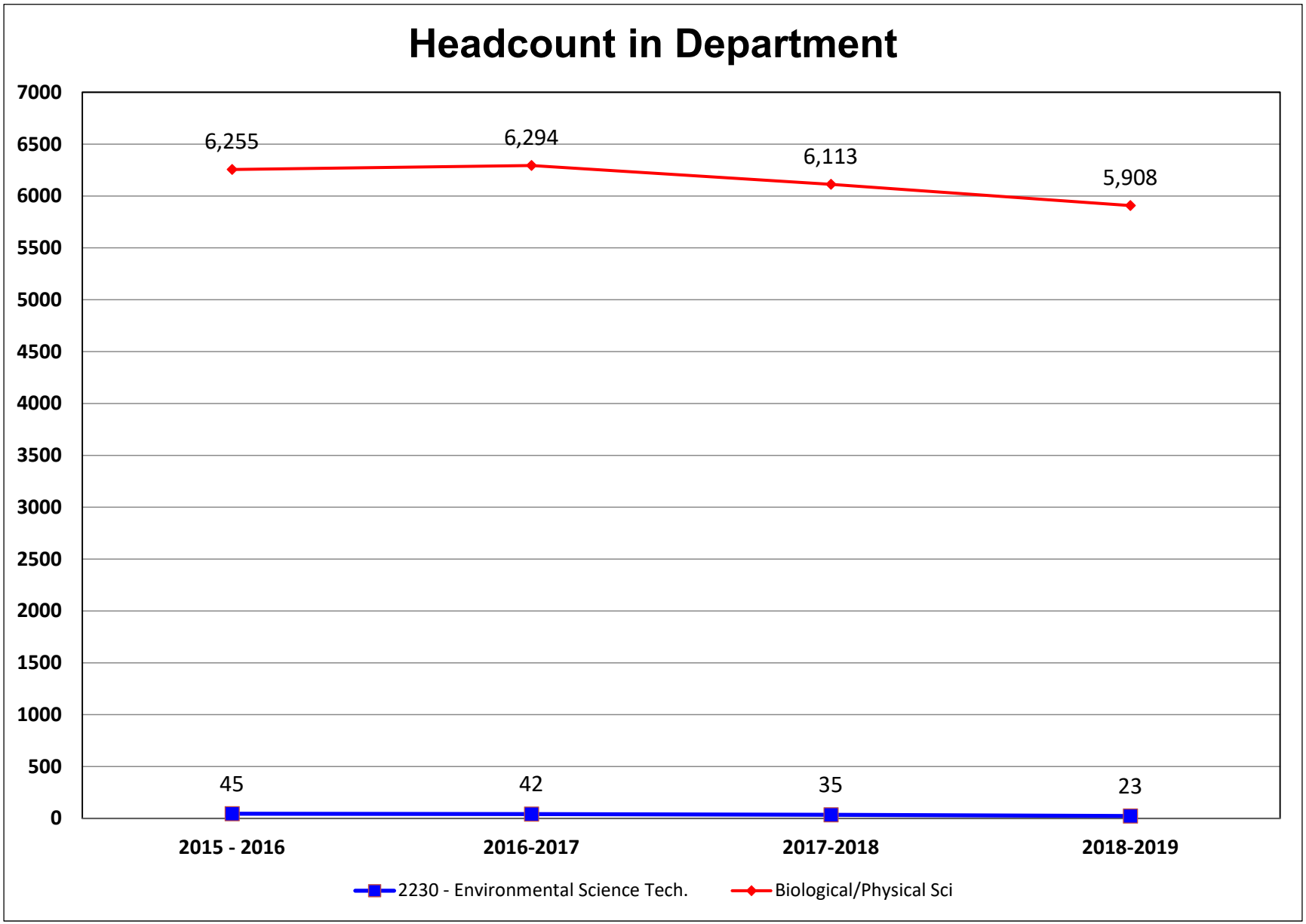
Environmental Science Technology # 2230 Program Assessment Results 2018-2019



Target: 70% of students will achieve an 80% or higher in all assessment measures

Assessment Data 2017-2018 and 2018-2019 : Programs and Institutional Learning Outcomes

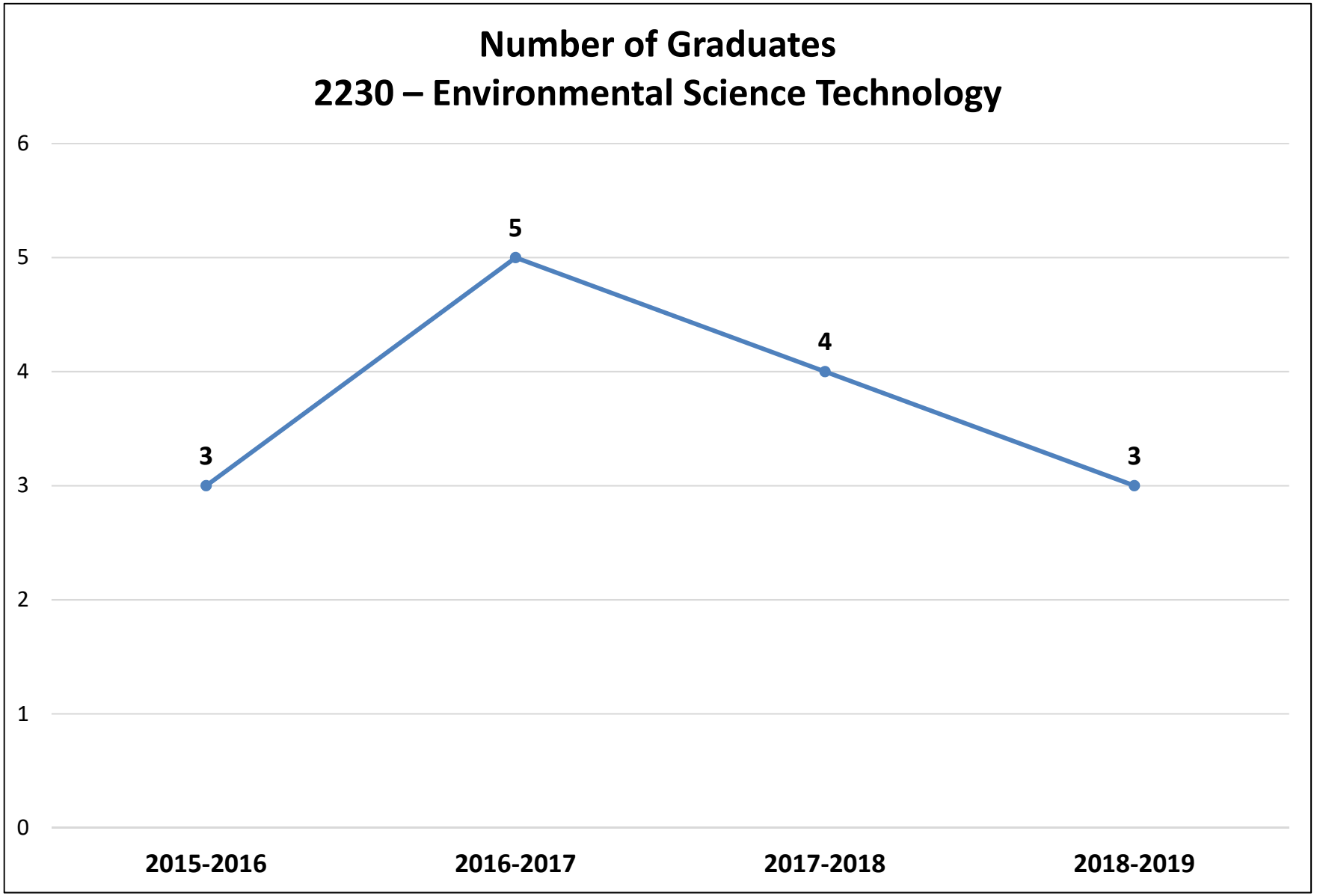
Program	Critical/ Creative Thinking		Communication		Cultural Literacy		Information and Technical Literacy	
	2017-2018	2018-2019	2017-2018	2018-2019	2017-2018	2018-2019	2017-2018	2018-2019
Environmental Science Technology (2230)	100%	85%-100%	100%	85%-100%	100%	100%	100%	85%-100%



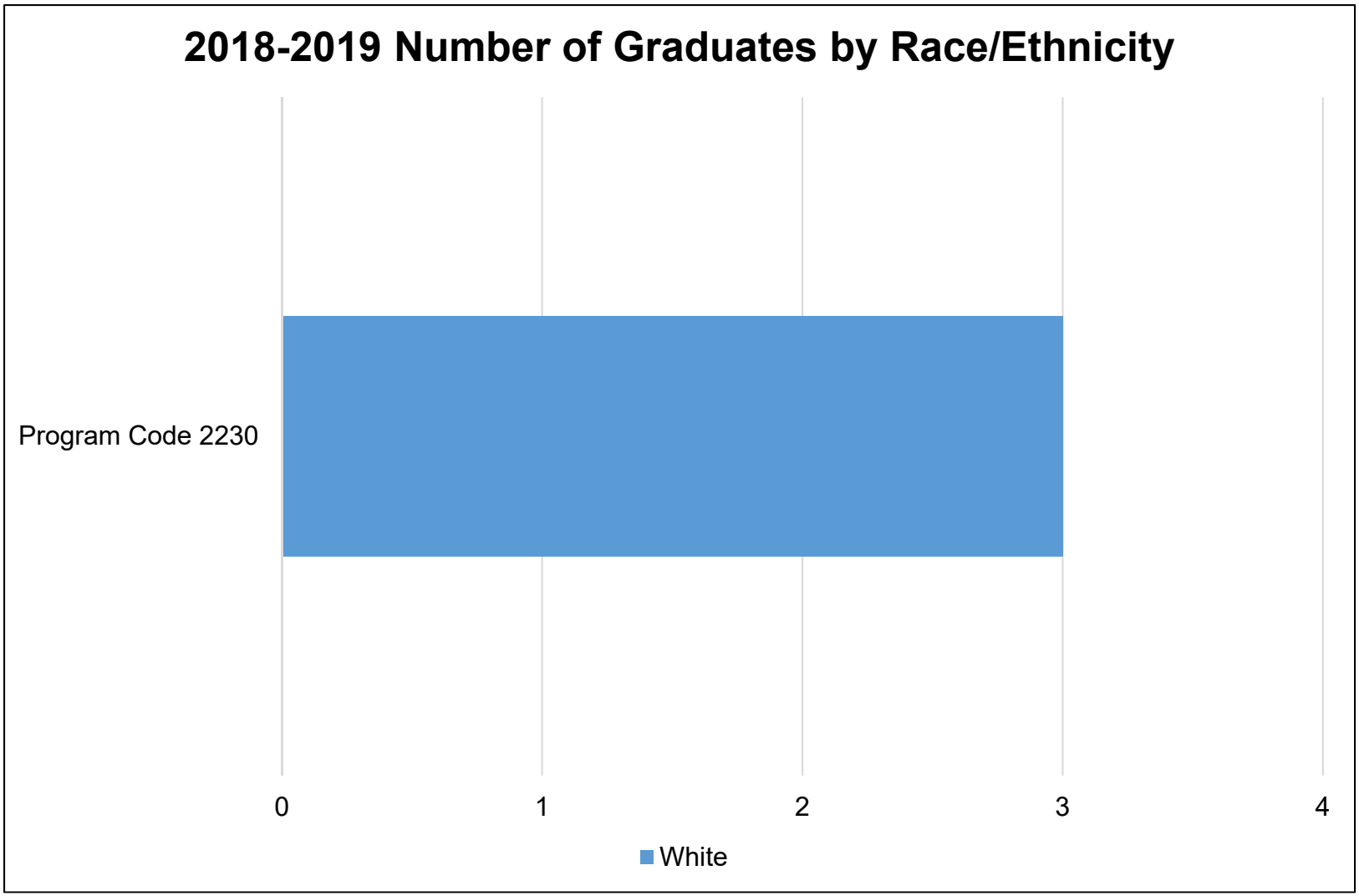
Dual Enrollment count for 2018-2019: 558

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

Graduation Rates

Major	Fall Cohort Year	# in Cohort	Graduated within 150% Time	150% Graduation Rate	Graduated within 200% Time	200% Graduation Rate
2230-Environmental Science Technology	2013	15	1	6.7%	1	6.7%
	2014	17	3	17.6%	4	24%
	2015 – 200% in progress	10	2	20%	2	20%
	2016 – in progress	12	1	8%	1	8%

College average (150%- 58.3%, 200%- 66.1%)

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
2230-Environmental Science Technology	2014	Hispanic	3	2	67%	2	67%
		White	14	1	7%	2	14%
	2015 – 200% in progress	Asian	1	0	0.0%	0	0.0%
		Hispanic	1	0	0.0%	0	0.0%
		White	6	2	25.0%	6	25.0%
	2016 – in progress	Black	1	0	0.0%	0	0.0%
		Hispanic	2	0	0.0%	0	0.0%
		Unknown	1	0	0.0%	0	0.0%
		White	8	1	13%	1	13%

College average (150%- 58.3%, 200%- 66.1%)

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	Race/Ethnicity	# Students	Graduation			
				Graduated within 150% Time	Graduation Rate	Graduated within 200% Time	Graduation Rate
2230-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%

Source: IR Program Assessment Data

Retention Rates

Program and Year		Registered	Exclusions	Adjusted Cohort	Retained by DSC		Retained by Program		Total Retained
					N	%	N	%	
2230 - 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%

College average (67.1%)

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.
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

Fall 2017 to Fall 2018 Retention Rates by Race/Ethnicity

Major	Fall Term	Registered	Exclusions	Adjusted Cohort	Retained by Program	
					N	%
2230 - ENVIRONMENTAL SCIENCE TECH.	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%

**one student retained by DSC*

College average (African American: 34.40%, Hispanic: 56.67% - FTIC)

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

Fall 2017 to Fall 2018 Retention Rates by Gender

Major	Fall Term	Registered	Exclusions	Adjusted Cohort	Retained by Program	
					N	%
2230 - ENVIRONMENTAL SCIENCE TECH.	Female	20	3	17*	7	41.2%
	Male	9	0	9	4	44.4%

*one student retained by DSC

Source: IR Program Assessment Data

Placement Rates (College average: 95.5%)												
Program Title	Major	2012/13 DSC%	2012/13 FCS%	2013/14 DSC%	2013/14 FCS%	2014/15 DSC%	2014/15 FCS%	2015/16 DSC%	2015/16 FCS%	2016/17 DSC%	2016/17 FCS%	Average Annual Salary
Environmental Science Tech.	2230	Program started in 2011		100%	79%	100%	68%	100%	69%	50%	70%	$**,***

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

Source: IR Program Assessment Data

Course Success Rate (1 of 3)

Major or Department, Associated Courses and Instructional Method		2015-2016		2016-2017		2017-2018		2018-2019	
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
SCI-Biological & Physical Sciences	AST1002	712	82%	685	86%	683	78%	652	79%
	BOT1010C	37	81%	40	90%	33	82%	30	87%
	BOT2150	9	89%	7	57%	7	71%	9	78%
	BSC1005	902	82%	1242	77%	1213	77%	1156	78%
	BSC1010C	612	73%	674	68%	679	70%	649	73%
	BSC1011C	143	69%	144	78%	173	79%	210	93%
	BSC1020	760	73%	629	71%	516	70%	487	72%
	BSC1085C	1536	63%	1514	63%	1475	66%	1460	68%
	BSC1086C	958	81%	807	85%	926	85%	890	86%
	BSC2930	199	79%						
	BSC2905							1	100%
	CHM1020	75	87%	129	87%	103	83%	94	83%
	CHM1025C	813	86%	644	84%	497	86%	526	85%
	CHM1045C	373	77%	450	80%	468	74%	401	76%
	CHM1046C	152	85%	152	90%	179	89%	151	84%
	CHM2210C	49	96%	41	98%	39	95%	45	93%
	CHM2211C	37	97%	32	94%	25	100%	36	94%

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		2015-2016		2016-2017		2017-2018		2018-2019	
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
SCI-Biological & Physical Sciences	EVR2001	35	69%	165	68%	423	75%	462	74%
	GLY2010C	14	93%	5	100%	9	78%	9	56%
	GLY2100	3	100%						
	MCB1010C	628	86%	567	88%	672	88%	649	90%
	MCB2905							1	100%
	MET2010	293	73%	251	79%	138	84%	82	79%
	OCB2000C	48	77%	35	83%	25	92%	9	89%
	OCE1001	120	87%	172	82%	114	87%	141	86%
	OCE2905	4	100%	3	100%	1	100%	4	100%
	PHY1020	48	73%	93	75%	45	82%	37	73%
	PHY1053C	115	89%	79	84%	87	92%	89	87%
	PHY1054C	29	97%	40	98%	42	95%	42	93%
	PHY2048C	110	89%	107	93%	91	90%	132	90%
	PHY2049C	59	97%	68	97%	70	96%	66	95%
	PSC1121	656	91%	424	92%	245	88%	197	91%
Total			79%		77%		78%		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

Course Success Rate (3 of 3)

Major or Department, Associated Courses and Instructional Method		2015-2016		2016-2017		2017-2018		2018-2019	
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
2230 – Environmental Science Tech.	EVR2933	5	80%	5	60%	3	100%	2	50%
	EVR2943	4	75%	5	60%	3	100%	2	50%
	GIS2040C	10	100%	16	75%	15	80%	7	43%
	OCE2013C	5	80%	5	100%	3	100%	2	50%
	PCB2033C	5	80%	9	100%	3	100%	3	100%
	SWS2007							2	100%
Upper Division	BCH3023C	10	100%	15	100%	16	94%	24	100%
	CHM3085	8	100%			2	100%		
	CHM3120C	4	100%	1	100%			1	100%
	PCB3034C	5	80%	2	100%	2	100%	2	100%
	PCB3060	10	50%	7	100%	5	100%		
	PCB3203	8	88%	10	80%	7	100%	5	100%
	BOT3151	4	100%	3	100%	1	100%		
	OCE3014C	4	100%	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			2015-2016		2016-2017		2017-2018		2018-2019	
			Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
Biological/ Physical Sciences	AST1002	Daytona							38	89%
		Deland	89	89%	95	93%	83	77%	78	87%
		Deltona			37	92%	36	78%	28	75%
		Flagler/PC	78	82%	38	92%	38	76%		
	BSC1005	Daytona	300	90%	331	85%	360	82%	268	78%
		Deland	66	95%	92	92%	68	79%	73	93%
		Deltona	29	86%	39	79%	36	61%	21	43%
		Flagler/PC	93	87%	118	86%	108	83%	120	84%
		NSB	37	57%	48	67%	34	59%	34	53%
	BSC1010C	Daytona	318	64%	351	58%	343	58%	302	65%
		Deland	164	80%	169	74%	173	83%	157	81%
		Flagler/PC	85	87%	91	88%	132	81%	129	81%
		NSB	45	73%	63	79%	31	81%	36	67%
	BSC1011C	Daytona	124	67%	123	77%	133	74%	181	93%
		Deland	19	79%	21	95%	40	98%	29	93%
	BSC1020	Daytona	127	61%	122	62%	51	69%	46	54%
		Deland	87	87%	50	82%	57	67%	41	80%
		Deltona	18	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

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

Dept., Associated Courses and Campus			2015-2016		2016-2017		2017-2018		2018-2019	
			Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
Biological/ Physical Sciences	BSC1085C	Daytona	757	50%	766	52%	696	54%	619	54%
		Deland	350	71%	331	74%	312	81%	330	82%
		Flagler/PC	143	68%	142	63%	140	59%	135	51%
		NSB	172	85%			34	74%		
	BSC1086C	Daytona	400	73%	277	77%	346	75%	272	82%
		Deland	177	83%	184	90%	179	94%	178	88%
		Flagler/PC	96	77%	68	75%	85	78%	82	60%
		NSB	175	93%						
	CHM1025C	Daytona	386	80%	316	81%	197	85%	204	82%
		Deland	140	89%	108	83%	74	81%	80	69%
		Flagler/PC	131	92%	115	85%	92	83%	105	90%
		NSB	34	88%						
	CHM1045C	Daytona	316	76%	355	73%	374	72%	281	78%
		Deland	57	86%	75	75%	75	85%	72	78%
		Flagler/PC			20	75%	19	74%	48	56%

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			2015-2016		2016-2017		2017-2018		2018-2019	
			Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
Biological/ Physical Sciences	CHM1046C	Daytona	139	84%	129	79%	153	91%	130	85%
		Deland	13	92%	13	85%	19	84%	21	76%
		Flagler/PC			10	80%	7	71%		
	MCB1010C	Daytona	254	85%	198	84%	238	89%	165	86%
		Deland	145	94%	116	97%	172	92%	128	95%
		Flagler/PC	84	92%	114	91%	75	99%	88	93%
		NSB	65	82%						
	OCE1001	Daytona	68	90%	83	80%	66	83%	92	86%
		Deland			27	89%	17	100%		
		Flagler/PC	12	83%	35	83%	21	81%		
		NSB	40	83%	27	81%	10	100%	15	93%
	PHY1053C	Daytona	101	88%	66	83%	87	92%	77	84%
		Deland	14	93%	13	85%			12	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	
		Attempted	% Successful	Attempted	% Successful
Biological/ Physical Sciences	Daytona	3,693	74%	3205	76%
	Deltona	72	69%	49	61%
	Deland	1,280	85%	1199	84%
	Flagler/Palm Cst	741	78%	727	74%
	New Smyrna Bch	109	73%	85	66%
	Online	3,200	79%	3459	82%
Grand Total		9,095	78%	8,724	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 Instructional Method – Multiple Methods Only (1 of 2)

Dept., Associated Courses and Instructional Method.			2015-2016		2016-2017		2017-2018		2018-2019	
			Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
Biological/ Physical Sciences	AST1002	Lecture	167	86%	170	92%	157	77%	144	85%
		Online	545	81%	515	84%	526	78%	508	77%
	BSC1005	Hybrid	90	78%	39	85%	108	83%	162	87%
		Lecture	435	89%	589	84%	498	79%	354	75%
		Online	377	75%	614	69%	607	75%	640	77%
	BSC1010C	Hybrid			45	93%	151	81%	165	78%
		Lecture			629	66%	528	66%	459	71%
		Online							25	80%
	BSC1020	Lecture	232	74%	172	68%	108	68%	87	67%
		Online	528	73%	457	72%	408	71%	400	73%
	BSC1085C	Lecture	1250	58%	1168	59%	1008	62%	1013	62%
		Online	286	84%	275	79%	293	80%	376	85%
		Hybrid			71	63%	174	62%	71	56%
	BSC1086C	Hybrid					85	78%	35	71%
		Lecture	673	76%	529	81%	525	82%	497	81%
		Online	285	93%	278	91%	316	92%	358	94%
	BSC2930	Lecture	34	82%						
		Online	165	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

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

Dept., Associated Courses and Instructional Method			2015-2016		2016-2017		2017-2018		2018-2019	
			Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
Biological/ Physical Sciences	CHM1020	Hybrid	9	78%	36	97%	24	79%	20	65%
		Online	66	88%	93	83%	79	85%	74	88%
	CHM1025C	Hybrid	198	91%	171	86%	173	84%	241	82%
		Lecture	493	82%	368	80%	190	83%	148	80%
		Online	122	94%	105	90%	134	91%	137	96%
	EVR2001	Lecture					134	81%	115	81%
		Online			60	68%	289	73%	347	72%
	MCB1010C	Hybrid	28	71%	65	88%	92	97%	108	91%
		Lecture	455	90%	363	89%	364	90%	273	91%
		Online	145	77%	139	86%	216	80%	268	88%
	MET2010	Lecture	106	64%	77	69%	41	73%	10	60%
		Online	187	79%	174	84%	97	89%	72	82%
	OCE1001	Lecture							107	87%
		Online							34	82%
	PHY1020	Online			55	76%	30	93%	23	83%
		Lecture			38	74%	15	60%	14	57%
	PHY1054C	Hybrid							18	94%
		Lecture							24	92%
	PHY1053C	Hybrid	41	83%			38	89%		
		Lecture	74	92%	79	84%	49	94%		
	PSC1121	Hybrid								
		Lecture	30	90%	28	89%	11	100%		
		Online	626	91%	396	92%	234	87%		
DSC		Hybrid	82%		81%		83%		82%	
		Lecture	80%		81%		83%		83%	
		Online	78%		76%		78%		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

Overall Course Success Rate by Instructional Method

Dept., Associated Courses and Campus		2017-2018		2018-2019	
		Attempted	% Successful	Attempted	% Successful
Biological/ Physical Sciences	IS	4	100%	6	100%
	Online	3,229	80%	3,459	82%
	Lecture	4,878	76%	4,314	76%
	Hybrid	984	81%	945	81%
Grand Total		9,095	78%	8,724	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

Course Success Rates- Multiple Sessions or Sub-sessions Only (1 of 4)

Major or Dept., Associated Courses and Sub-session			2015-2016		2016-2017		2017-2018		2018-2019	
			Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
Biological/ Physical Sciences	AST1002	FA A term	74	82%	73	79%	70	86%	74	76%
		FA B term	80	76%	68	85%	67	81%	75	67%
		FA Full term	165	85%	167	88%	156	76%	150	80%
		SP A term	81	89%	71	97%	69	78%	75	84%
		SP B term	157	76%	138	78%	142	68%	142	78%
		SP Full term	74	77%	75	93%	75	76%	68	85%
		SU Full term	81	90%	93	84%	104	88%	68	81%
	BOT1010C	FA Full term	20	80%	19	79%	13	69%	18	94%
		SP Full term	17	82%	21	100%	20	90%	12	75%
	BSC1005	FA A term			74	62%	68	71%	94	80%
		FA B term	38	68%	65	68%	71	66%	75	69%
		FA Full term	331	86%	430	81%	415	78%	372	78%
		SP A term	72	82%	70	70%	67	78%	135	85%
		SP B term	77	69%	73	56%	69	71%	38	87%
		SP Full term	384	84%	389	81%	375	81%	296	77%
		SU Full term			141	78%	148	76%	146	73%
	BSC1010C	FA Full term	290	74%	352	69%	392	70%	362	72%
		SP Full term	280	70%	290	64%	256	66%	253	72%
		SU Full term	42	81%	32	94%	31	94%	34	85%
	BSC1011C	FA Full term	32	59%	35	74%	39	67%	47	79%
		SP Full term	79	62%	79	77%	107	79%	115	97%
		SU Full term	32	94%	30	87%	27	96%	48	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 (2 of 4)

Dept., Associated Courses and Sub-session				2015-2016		2016-2017		2017-2018		2018-2019	
				Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
Biological/ Physical Sciences	BSC1020	FA	A term	59	58%	23	61%	34	74%	36	86%
			B term	67	54%	43	60%	57	63%	49	47%
			Full term	215	80%	188	69%	155	70%	139	68%
		SP	A term			44	73%	37	81%	38	79%
			B term	109	71%	40	65%	37	57%	34	76%
			Full term	188	74%	165	67%	92	61%	93	73%
		SU	Full term	122	81%	126	85%	104	83%	98	81%
	BSC1085C	FA	A term	74	88%	68	91%	73	92%	47	96%
			Full term	650	66%	666	54%	676	67%	694	61%
		SP	A term	36	89%	37	76%	54	81%	75	96%
			Full term	640	53%	577	63%	514	56%	464	64%
		SU	Full term	136	74%	166	81%	158	73%	180	84%
	BSC1086C	FA	B term	68	94%	63	95%	76	93%	61	92%
			Full term	211	75%	204	78%	200	80%	222	80%
		SP	B term	54	89%	47	89%	52	94%	359	82%
			Full term	422	78%	326	86%	428	82%	418	85%
		SU	Full term	203	87%	167	84%	170	91%	189	93%
	BSC2930	FA	Full term	137	79%						
		SU	Full term	62	81%						

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 4)

Dept., Associated Courses and Sub-session				2015-2016		2016-2017		2017-2018		2018-2019	
				Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
Biological/ Physical Sciences	CHM1020	FA	Full term	24	83%	39	87%	39	92%	35	91%
		SP	Full term	51	88%	76	87%	64	78%	59	78%
		SU	Full term			14	86%				
	CHM1025C	FA	Full term	334	82%	299	83%	211	82%	238	82%
		SP	Full term	382	88%	245	82%	206	87%	218	87%
		SU	Full term	97	93%	100	91%	80	90%	70	93%
	CHM1045C	FA	Full term	157	79%	217	71%	225	75%	185	77%
		SP	Full term	167	71%	180	73%	168	69%	176	73%
		SU	Full term	49	92%	53	83%	75	84%	40	83%
	CHM1046C	FA	Full term	32	63%	29	66%	25	76%	34	82%
		SP	Full term	82	89%	73	78%	89	90%	76	83%
		SU	Full term	38	95%	50	90%	65	94%	41	88%
	EVR2001	FA	A term					69	78%	72	79%
			B term					73	73%	84	65%
			Full term	6	83%	71	65%	72	82%	58	79%
		SP	A term					68	72%	72	86%
			B term					79	68%	119	65%
			Full term	29	66%	94	71%	62	81%	57	82%
	MCB1010C	FA	Full term	250	87%	175	85%	229	89%	220	87%
		SP	Full term	316	84%	271	87%	304	85%	287	90%
		SU	Full term	62	94%	121	95%	139	91%	142	93%
	MET2010	FA	Full term	126	75%	109	76%	49	80%	43	77%
		SP	Full term	88	65%	80	75%	60	85%	39	82%
		SU	Full term	79	81%	62	90%	29	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 (4 of 4)

Dept., Associated Courses and Sub-session				2015-2016		2016-2017		2017-2018		2018-2019	
				Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
Biological/ Physical Sciences	OCB2000C	FA	Full term	28	75%	21	90%	16	94%		
		SP	Full term	20	80%	14	71%	9	89%		
	OCE1001	FA	Full term	57	82%	74	78%	64	89%	47	87%
		SP	Full term	63	90%	98	85%	50	84%	94	85%
	OCE2905	FA	Full term			2	100%				
		SP	Full term			1	100%				
	PHY1020	FA	Full term	10	90%	55	76%	30	93%	23	83%
		SP	Full term	38	68%	38	74%	15	60%	14	57%
	PHY1053C	FA	Full term	74	92%	53	81%	49	94%	53	87%
		SP	Full term	41	83%	26	88%	38	89%	36	86%
	PHY1054C	SP	Full term			22	100%	23	91%	24	92%
		SU	Full term			18	94%	19	100%	18	94%
	PHY2048C	FA	Full term	74	88%	68	93%	51	92%	95	91%
		SP	Full term	36	92%	39	95%	40	88%	37	89%
	PHY2049C	SP	Full term			49	98%	40	98%	45	93%
		SU	Full term			19	95%	30	93%	21	100%
	PSC1121	FA	A term	96	93%	76	92%	36	89%	32	97%
			B term	77	92%	84	90%	46	89%	32	84%
			Full term	116	91%						
		SP	A term	83	90%	74	92%	71	87%	61	90%
			B term	83	87%	81	89%	32	78%		
			Full term	113	89%	28	89%	11	100%		
		SU	Full term	88	91%	81	95%	49	90%	72	92%

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	
			Attempted	% Successful	Attempted	% Successful
Biological/ Physical Sciences	Summer	Full term	1228	86%	1167	87%
	Fall	A term	350	82%	355	83%
		B term	390	77%	376	70%
		Full term	3235	77%	3101	75%
	Spring	A term	366	80%	465	87%
		B term	411	72%	392	78%
		Full term	3115	76%	2868	79%
Grand Total			9,095	78%	8,724	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

Course Success Rates by IM and Race/Ethnicity (1 of 6)

Course, IM, Race/Ethnicity	2017-2018		2018-2019	
	Enrolled	Success Rate	Enrolled	Success Rate
AST1002	670	78%	652	79%
Online	519	78%	508	77%
Am. Ind	1	100%	1	0%
Asian	10	90%	7	71%
Black	44	64%	29	69%
Hispanic	76	76%	80	84%
Two or More Races	13	85%	12	75%
Unknown			8	100%
White	374	79%	371	76%
Lecture	151	77%	144	85%
Asian	2	100%	2	100%
Black	8	50%	10	70%
Hispanic	46	76%	31	81%
Hawaii/Pac			1	0%
Two or More Races	3	67%	6	67%
Unknown			4	100%
White	92	80%	90	90%
BOT1010C	33	82%	30	87%
Lecture	33	82%	30	87%
Black	3	33%	2	50%
Hispanic	1	100%	1	100%
Hawaii/Pac			1	100%
Two or More Races	2	100%	1	100%
White	27	85%	25	88%
BOT2150	7	71%	9	78%
Lecture	7	71%	9	78%
Two or More Races			1	100%
White	6	83%	8	75%
BSC1005	1197	77%	1156	78%
Online	598	75%	640	77%
Am. Ind			1	100%
Asian	5	80%	10	80%
Black	83	58%	79	67%
Hispanic	110	75%	116	81%
Two or More Races	30	70%	23	78%
Unknown			11	100%
White	370	79%	400	77%

Course, IM, Race/Ethnicity	2017-2018		2018-2019	
	Enrolled	Success Rate	Enrolled	Success Rate
BSC1005	1197	77%	1156	78%
Lecture	491	78%	354	75%
Asian	6	100%	8	75%
Black	59	61%	48	58%
Hispanic	93	74%	64	64%
Two or More Races	19	68%	13	85%
Unknown			10	90%
White	310	83%	211	80%
Hybrid	108	83%	162	87%
Am. Ind			1	100%
Asian			3	100%
Black	14	71%	13	92%
Hispanic	22	82%	29	76%
Two or More Races	4	100%	7	100%
Unknown			3	100%
White	68	85%	106	88%
BSC1010C	665	70%	649	73%
Online			25	80%
Asian			1	100%
Black			2	100%
Hispanic			5	80%
White			17	76%
Lecture	517	66%	459	71%
Asian	13	85%	20	60%
Black	51	49%	52	54%
Hispanic	96	69%	77	70%
Two or More Races	22	36%	23	83%
Unknown			1	100%
White	333	70%	286	73%
Hybrid	148	82%	165	78%
Am. Ind	1	100%	1	100%
Asian	7	86%	4	75%
Black	17	82%	12	67%
Hispanic	17	82%	23	65%
Hawaii/Pac			1	0%
Two or More Races	8	75%	8	63%
Unknown			4	100%
White	98	83%	112	82%

Course Success Rates by IM and Race/Ethnicity (2 of 6)

Course, IM, Race/Ethnicity	2017-2018 Enrolled	2017-2018 Success Rate	2018-2019 Enrolled	2018-2019 Success Rate
BSC1011C	168	79%	210	93%
Lecture	168	79%	210	93%
Asian	8	88%	9	89%
Black	8	88%	20	90%
Hispanic	37	76%	34	97%
Two or More Races	7	86%	9	89%
White	107	79%	138	93%
BSC1020	508	70%	487	72%
Online	402	71%	400	73%
Asian	11	64%	9	89%
Black	48	50%	58	47%
Hispanic	59	69%	71	77%
Two or More Races	17	65%	16	75%
Unknown			4	50%
White	264	75%	242	78%
Lecture	106	68%	87	67%
Black	16	38%	14	29%
Hispanic	21	57%	19	58%
Hawaii/Pac			1	0%
Two or More Races	3	100%	5	80%
Unknown			1	100%
White	64	78%	47	81%
BSC1085C	1453	66%	1460	68%
Online	289	80%	376	85%
Asian	6	83%	6	83%
Black	44	61%	56	77%
Hispanic	40	73%	61	75%
Two or More Races	12	83%	12	83%
Unknown			7	86%
White	185	85%	234	90%
Lecture	993	62%	1013	62%
Asian	20	65%	24	79%
Black	148	35%	178	44%
Hawaii/Pac	2	50%	1	100%
Hispanic	198	65%	242	68%
Two or More Races	44	68%	47	53%
Unknown			20	50%
White	575	67%	501	66%
Hybrid	171	63%	71	56%
Asian	6	67%	5	80%
Black	15	53%	10	40%
Hispanic	21	52%	17	59%
Two or More Races	17	59%	2	100%
Unknown			1	100%
White	112	66%	36	53%
BSC1086C	915	85%	890	86%
Online	313	92%	358	94%
Asian	10	90%	3	100%
Black	33	82%	52	85%
Hawaii/Pac	1	100%	1	100%
Hispanic	47	96%	57	96%
Two or More Races	11	91%	15	100%
Unknown			4	100%
White	209	93%	226	94%
Lecture	517	81%	497	81%
Am. Ind	4	100%	1	0%
Asian	11	64%	20	80%
Black	74	72%	63	63%
Hawaii/Pac	1	0%	1	100%
Hispanic	87	80%	121	88%
Two or More Races	16	94%	25	72%
Unknown			6	67%
White	324	84%	260	84%
Hybrid	85	78%	35	71%
Asian	2	100%	4	100%
Black	13	54%	4	75%
Hispanic	16	94%	7	71%
Two or More Races	4	75%	2	50%
White	50	78%	17	71%

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

Course Success Rates by IM and Race/Ethnicity (3 of 6)

Course, IM, Race/Ethnicity	2017-2018		2018-2019	
	Enrolled	Success Rate	Enrolled	Success Rate
CHM1020	102	83%	94	83%
Online	78	85%	74	88%
Black	10	70%	8	75%
Hispanic	7	71%	10	90%
Two or More Races	3	100%	3	67%
Unknown			1	100%
White	55	87%	52	90%
Hybrid	24	79%	20	65%
Am. Ind			1	0%
Hispanic	4	75%	6	83%
Two or More Races	3	100%	1	100%
White	15	80%	12	58%
CHM1025C	492	85%	526	85%
Online	132	91%	137	96%
Am. Ind			1	100%
Asian	4	100%	5	100%
Black	11	100%	10	100%
Hispanic	18	78%	18	100%
Two or More Races	2	100%	6	83%
Unknown			5	100%
White	97	92%	92	96%
Lecture	187	83%	148	80%
Am. Ind	1	100%	1	100%
Asian	11	82%	4	100%
Black	20	65%	14	79%
Hispanic	30	93%	32	72%
Two or More Races	6	50%	5	100%
Unknown			5	100%
White	119	85%	87	80%

Course, IM, Race/Ethnicity	2017-2018		2018-2019	
	Enrolled	Success Rate	Enrolled	Success Rate
Hybrid	173	84%	241	82%
Asian	5	100%	11	91%
Black	19	89%	28	79%
Hispanic	34	82%	45	82%
Hawaii/Pac			1	0%
Two or More Races	7	71%	11	82%
Unknown			2	100%
White	107	83%	143	83%
CHM1045C	458	74%	401	76%
Lecture	458	74%	401	76%
Asian	26	77%	14	79%
Black	33	79%	27	63%
Hispanic	80	73%	75	73%
Two or More Races	19	68%	30	57%
Unknown			5	80%
White	300	74%	250	80%
CHM1046C	175	89%	151	84%
Lecture	175	89%	151	84%
Asian	10	90%	8	75%
Black	17	94%	8	63%
Hispanic	32	97%	24	79%
Two or More Races	6	83%	7	86%
Unknown			3	67%
White	110	86%	101	88%
CHM2210C	38	95%	45	93%
Lecture	38	95%	45	93%
Black	2	100%	8	88%
Hispanic	6	100%	11	91%
Two or More Races	2	50%	3	100%
White	24	96%	23	96%
CHM2211C	25	100%	36	94%
Lecture	25	100%	36	94%
Black	1	100%	3	100%
Hispanic	5	100%	10	100%
White	16	100%	20	90%

Course Success Rates by IM and Race/Ethnicity (4 of 6)

Course, IM, Race/Ethnicity	2017-2018 Enrolled	2017-2018 Success Rate	2018-2019 Enrolled	2018-2019 Success Rate
EVR2001	414	76%	462	74%
Online	285	73%	347	72%
Asian	6	100%	3	100%
Black	36	53%	52	50%
Hispanic	49	69%	55	76%
Two or More Races	8	63%	7	71%
Unknown			8	50%
White	185	77%	222	77%
Lecture	129	82%	115	81%
Asian	3	100%	1	0%
Black	22	68%	11	73%
Hispanic	11	91%	16	94%
Two or More Races	8	88%	4	25%
White	84	83%	83	83%
GLY2010C			9	56%
Hybrid			9	56%
Hispanic			1	100%
Two or More Races			1	0%
Unknown			1	100%
White			6	50%
MCB1010C	659	88%	649	90%
Online	212	80%	268	88%
Asian	4	100%	4	100%
Black	28	64%	28	71%
Hispanic	35	83%	39	92%
Two or More Races	9	89%	14	86%
Unknown			2	100%
White	135	81%	181	90%

Course, IM, Race/Ethnicity	2017-2018 Enrolled	2017-2018 Success Rate	2018-2019 Enrolled	2018-2019 Success Rate
MCB1010C	659	88%	649	90%
Lecture	355	90%	273	91%
Am. Ind	2	100%	1	100%
Asian	11	100%	8	75%
Black	48	88%	46	87%
Hawaii/Pac	1	100%	1	100%
Hispanic	62	85%	60	92%
Two or More Races	10	80%	10	90%
Unknown			6	100%
White	221	91%	141	92%
Hybrid	92	97%	108	91%
Asian	3	67%	6	100%
Black	14	100%	17	94%
Hispanic	12	100%	17	94%
Two or More Races	1	100%	6	100%
Unknown			2	100%
White	60	98%	60	87%
MET2010	136	84%	82	79%
Online	96	89%	72	82%
Asian	2	50%	2	100%
Black	5	100%	7	86%
Hispanic	15	93%	6	83%
Hawaii/Pac			1	100%
Two or More Races	3	100%	3	67%
Unknown			1	100%
White	70	87%	52	81%
Lecture	40	73%	10	60%
Asian	2	100%	2	50%
Hispanic	10	30%	1	0%
White	23	87%	7	71%

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

Course Success Rates by IM and Race/Ethnicity (5 of 6)

Course, IM, Race/Ethnicity	2017-2018 Enrolled	2017-2018 Success Rate	2018-2019 Enrolled	2018-2019 Success Rate
OCB2000C			9	89%
Hybrid			9	89%
Hispanic			1	100%
Two or More Races			1	100%
White			7	86%
OCE1001			141	86%
Online			34	82%
Black			2	50%
Hispanic			6	100%
Two or More Races			1	0%
White			25	84%
Hybrid	112	87%	107	87%
Am. Ind			1	0%
Black	3	33%	3	100%
Hispanic	7	86%	12	50%
Hawaii/Pac			1	100%
Two or More Races	8	100%	7	86%
Unknown			2	100%
White	92	87%	81	93%
PHY1020	45	82%	37	73%
Online	30	93%	23	83%
Black	3	100%	1	100%
Hispanic	8	88%	1	100%
Two or More Races	1	100%	2	50%
White	18	94%	19	84%
Lecture	15	60%	14	57%
Asian	1	100%	2	100%
Black			1	100%
Hispanic	2	100%	2	0%
White	11	45%	9	56%

Course, IM, Race/Ethnicity	2017-2018 Enrolled	2017-2018 Success Rate	2018-2019 Enrolled	2018-2019 Success Rate
PHY1053C	87	92%	89	87%
Lecture	49	94%	89	87%
Asian	6	83%	4	50%
Black	5	100%	7	57%
Hispanic	9	89%	23	91%
Two or More Races	2	100%	5	100%
White	27	96%	50	90%
PHY1054C	42	95%	42	93%
Lecture	42	95%	24	92%
Asian	7	100%	1	100%
Black	4	75%	2	50%
Hispanic	6	100%	2	100%
Two or More Races	2	100%	2	50%
White	23	96%	17	100%
Hybrid			18	94%
Black			4	100%
Hispanic			2	100%
White			12	92%
PHY2048C			132	90%
Lecture			132	90%
Asian			4	100%
Black			9	78%
Hispanic/Latino			36	83%
Two or More Races			7	71%
Unknown			1	100%
White			75	96%

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 (6 of 6)

Course, IM, Race/Ethnicity	2017-2018 Enrolled	2017-2018 Success Rate	2018-2019 Enrolled	2018-2019 Success Rate
PHY2049C	67	96%	66	95%
Lecture	67	96%	66	95%
Asian	9	100%	4	100%
Black	5	100%	3	100%
Hispanic	16	100%	15	93%
Two or More Races	4	50%	2	100%
Unknown			1	100%
White	33	97%	41	95%
PSC1121	243	88%	197	91%
Online	232	87%	197	91%
Asian	5	100%	6	83%
Black	22	91%	37	97%
Hispanic	43	91%	26	88%
Two or More Races	13	92%	13	85%
Unknown			2	100%
White	149	85%	113	90%
BCH3023C			24	100%
Hybrid			24	100%
Asian			2	100%
Black			2	100%
Hispanic/Latino			8	100%
Two or More Races			1	100%
White			11	100%
PCB3203			5	100%
Lecture			5	100%
Asian			1	100%
Hispanic/Latino			1	100%
Two or More Races			1	100%
White			2	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

Overall Success Rates by Race/Ethnicity

Department/Program/Area	Total Enrolled	Success Rates
2230 - Environmental Science Tech.	28	68%
Black	1	100%
Hispanic/Latino	1	100%
Unknown	1	100%
White	25	64%
SSCI	8724	79%
American Indian/Alas	10	60%
Asian	224	82%
Black	1038	65%
Hispanic/Latino	1607	79%
Native Hawaiian/Paci	11	64%
Two or More Races	383	76%
Unknown	132	83%
White	5319	82%
Upper Division	32	100%
Asian	3	100%
Black	2	100%
Hispanic/Latino	9	100%
Two or More Races	2	100%
White	16	100%
Grand Total	8784	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

Course Success Rates for Guaranteed Sections

Course	2017-2018		17-18 Overall	2018-2019		18-19 Overall
	Attempted	% Successful		Attempted	% Successful	
AST1002	36	78%	78%	68	85%	79%
BSC1005	91	73%	77%	91	71%	78%
BSC1020	90	69%	70%	67	64%	72%
CHM1020	24	79%	83%	20	65%	83%
OCE1001	10	100%	87%	15	93%	86%
PHY1020	15	60%	82%	14	57%	73%
PSC1121	11	100%	88%			
Total	277	74%		275	73%	

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

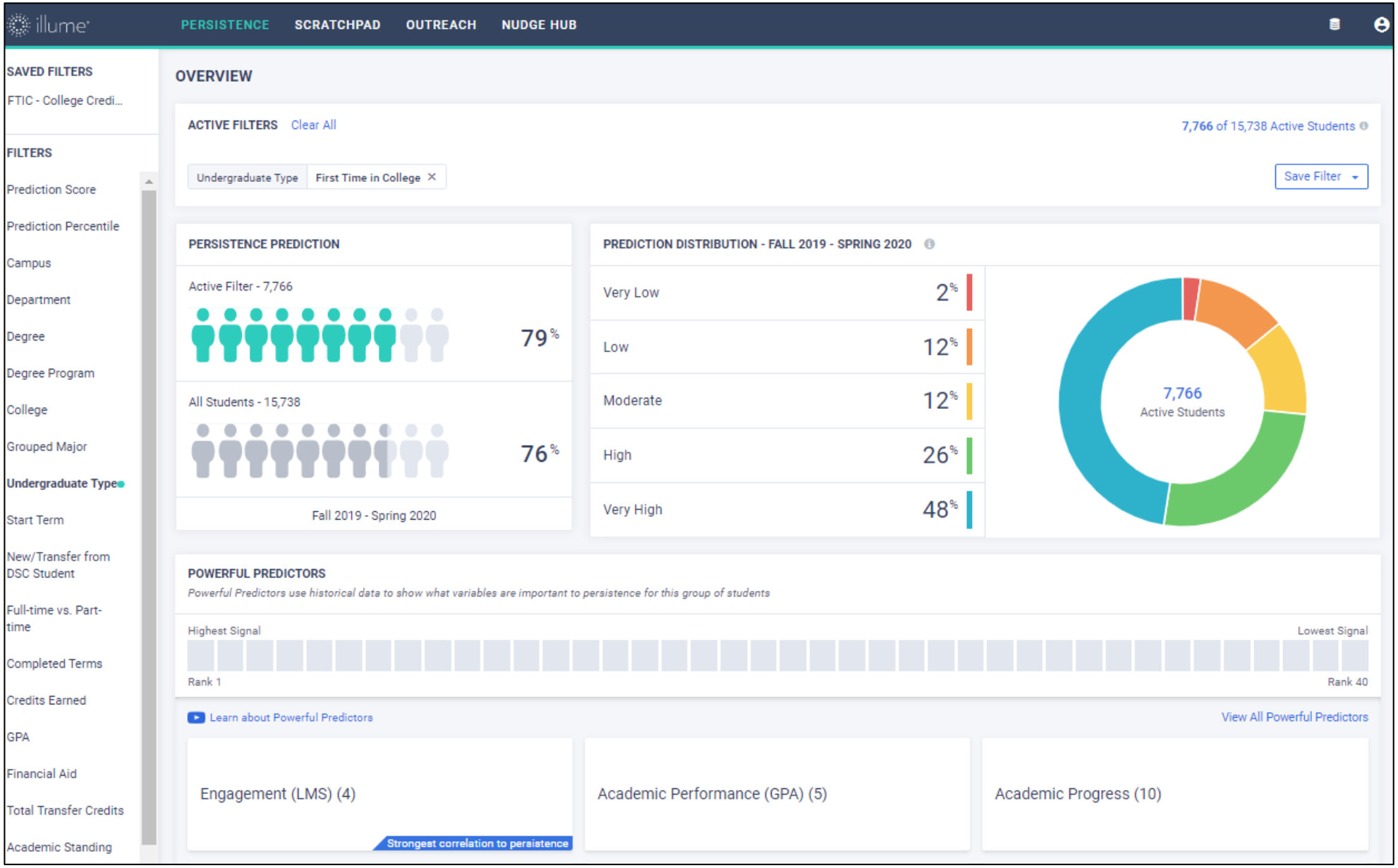
Course Success Rates for Dual Enrolled Students

Course	2017-2018		Overall	2018-2019		Overall
	Attempted	% Successful		Attempted	% Successful	
AST1002	46	85%	78%	95	92%	79%
BOT1010C				5	100%	87%
BOT2150				1	100%	78%
BSC1005	81	88%	77%	126	90%	78%
BSC1010C	74	88%	70%	134	90%	73%
BSC1011C	9	89%	79%	23	100%	93%
BSC1020	22	95%	70%	44	89%	72%
BSC1085C	58	88%	66%	80	90%	68%
BSC1086C	23	100%	85%	32	97%	86%
CHM1020	7	86%	83%	14	93%	83%
CHM1025C	46	96%	86%	76	97%	85%
CHM1045C	31	84%	74%	43	81%	76%
CHM1046C	5	100%	89%	6	100%	84%
EVR2001	26	92%	75%	53	91%	74%
GLY2010C				2	50%	56%
MCB1010C	6	100%	88%	13	100%	90%
MET2010	6	100%	84%	10	90%	79%
OCB2000C	2	100%	92%			
OCE1001	10	100%	87%	12	92%	86%
PHY1020	2	100%	82%	2	50%	73%
PHY1053C				3	100%	87%
PHY2048C	3	100%	90%	11	100%	90%
PHY2049C				4	100%	95%
PSC1121	10	100%	88%	14	100%	91%
Total	467	90%		803	92%	

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

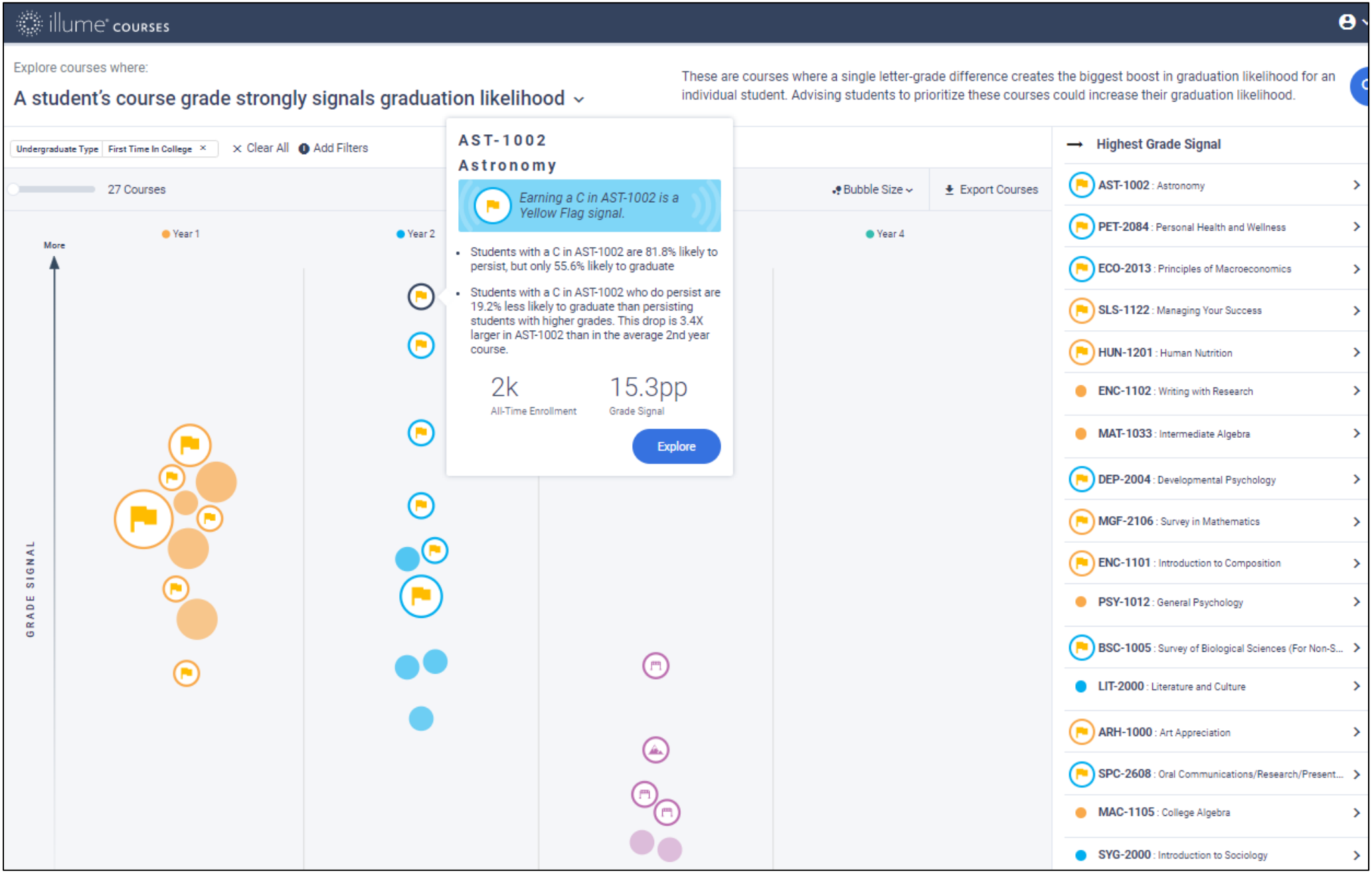
Source: IR Program Assessment Data

Civitas – illume Students



Captured on 1/7/2020

Civitas – illume Courses



DAYTONA STATE COLLEGE

2019-2020
Academic Affairs
Assessment Day – Program Guides

A Review of Program Guide and Course Catalog Information

Program Guides - Overview

- Given Assessment Day results, are there any changes needed to or desired for the Program Guide?
- Please Review:
  - Program Information
  - General Education Course Selections (if applicable)
  - Program Course Catalog Information
  - Program of Study

Program Guides – Information Review

- Mission statement
  - Does it accurately state the purpose and goals of the program?
- Description
  - Does it clearly portray the nature of the program and any unique characteristics (i.e. embedded certificates, industry certifications, program accreditations, etc.)?

Program Guides – General Ed. Review

- General Education Courses *(if applicable)*
  - Are the selection of courses aligned with the academic knowledge students need to be successful in the related field(s)/occupations?
    - Must be a minimum of 15 credit hours for A.S. programs *(F.A.C. 6A-10.024)*
    - Must include ENC1101 and a Math Core course
  - Do the selection of courses allow for seamless transition to the Baccalaureate level (if applicable)?

Program Guides – Course Reqs. Review

- Program Specific Course Requirements
  - Are the courses relevant to the academic and technical skills required in the related field(s)/occupation(s)?
  - Are there any required courses offered by another department? If so, consult with that department on upcoming changes (if any).
  - Are there any courses that have not been offered in over 5 years?

Program Guides – Course Info. Review

- Program Specific Course Catalog Information
  - Is the course description accurate?
  - Are the course prefix, number and/or title relevant?
  - Are the term offerings up-to-date?
  - Are the prerequisite and corequisite course assignments appropriate to what students need to know to be successful in the requisite *(required)* course?

Program Guide – Program of Study Review

- Program of Study
  - Is the sequence of courses structured from foundational to advanced content, as appropriate?
  - Does the sequence align with course, term offerings?
  - Does the sequence align with course, prerequisite/co-requisite assignments?
  - Are there any special notes/information missing, incorrect or desired?