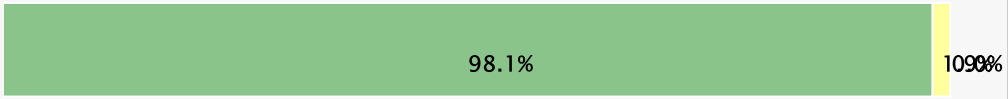
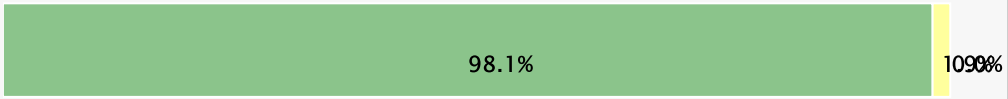
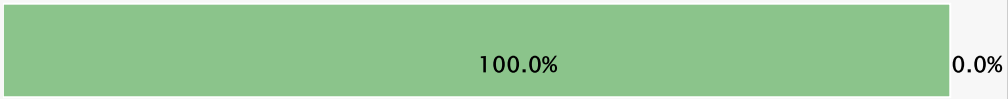
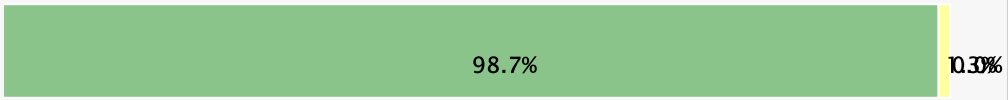
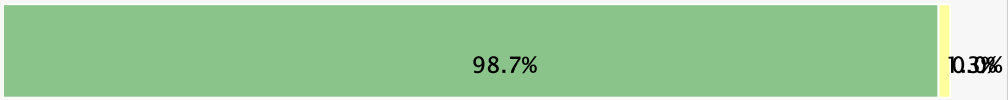
The Master's University & Seminary
Outcome Assessment Summary Report

Report Parameters

Outcome Space: Program - TMU BS in Biological & Physical Sciences - Animal Sciences/Pre-Veterinary Medicine
Level: Program
Term: 2019 Spring TMU Trad, 2020 Spring TMU Trad and 2 more...
Student Minor: No records found!
Detail Level: Learning Indicator
Edit Report Parameters

Outcome Set	Outcome Code	Outcome Description	Total Assessments	Outcome Rubric Distribution	Success
TMU BS in Biological & Physical Sciences - Animal Sciences/Pre-Veterinary Medicine	U.BS.BIO.ASVM.01	Analyze an ecosystem to identify relationships among organisms and that environment.			
	U.BS.BIO.ASVM.1.PI1	Correctly describes the relationship between the ecosystem and humans. (Same as U.BS.BIO.ENVR.1.PI1)	53		100 %

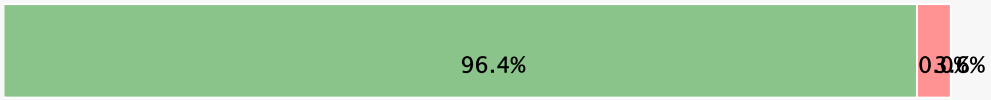
Outcome Set	Outcome Code	Outcome Description	Total Assessments	Outcome Rubric Distribution	Success
	U.BS.BIO.ASVM.1.PI2	Explains strategies that maximize the potential that the ecosystem service will be sustainable. (Same as U.BS.BIO.ENVR.1.PI2)	53		100 %
	U.BS.BIO.ASVM.1.PI3	The project integrates a biblical stewardship perspective into the approach to sustainable ecosystem services. (Same as U.BS.BIO.ENVR.1.PI3)	53		100 %
Average Student Performance Level across all PIs			159		100 %
Average Student Performance Level across all PIs			159		100 %

The Master's University & Seminary
Outcome Assessment Summary Report

Report Parameters

Outcome Space: Program - TMU BS in Biological & Physical Sciences - Cellular & Molecular Biology
Level: Program
Term: 2019 Fall TMU Trad, 2019 Spring TMU Trad and 1 more...
Detail Level: Learning Indicator
Edit Report Parameters

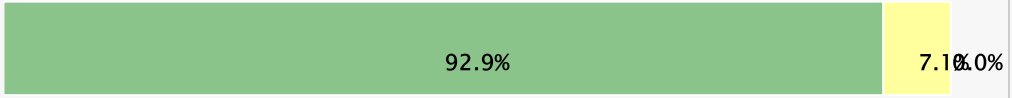
Outcome Set	Outcome Code	Outcome Description	Total Assessments	Outcome Rubric Distribution	Success
TMU BS in Biological & Physical Sciences - Cellular & Molecular Biology	U.BS.BIO.CELL.01	Apply the principles of molecular processes to analyze and interpret scientific data.			
	U.BS.BIO.CELL1.PI1	Individual student percent scores from the final course exam.	4	100.0% 0.0%	100 %
Average Student Performance Level across all PIs			4	100.0% 0.0%	100 %

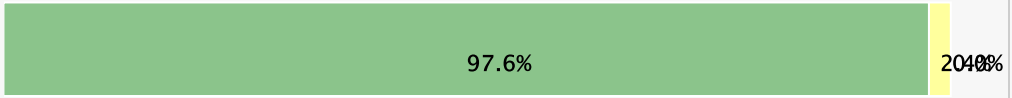
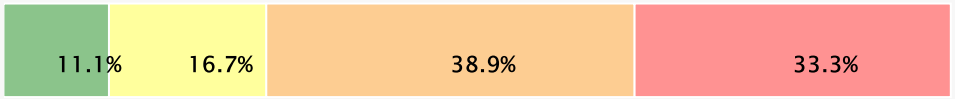
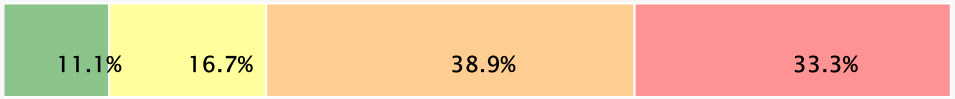
Outcome Set	Outcome Code	Outcome Description	Total Assessments	Outcome Rubric Distribution	Success
TMU BS in Biological & Physical Sciences - Cellular & Molecular Biology	U.BS.BIO.CELL.02	Integrate thermodynamics and biochemical pathways to describe metabolism.			
	U.BS.BIO.CELL.2.PI1	Individual student percent scores from the final course exam.	28		96 %
	U.BS.BIO.CELL.2.PI2	Individual percentile scores on the ETS MFT Biology - Biochemistry & Cell Energetics Assessment Indicator.	18		0 %
Average Student Performance Level across all PIs			46		59 %
Average Student Performance Level across all PIs			50		62 %

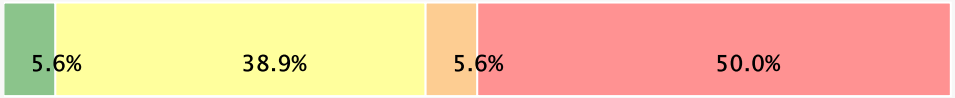
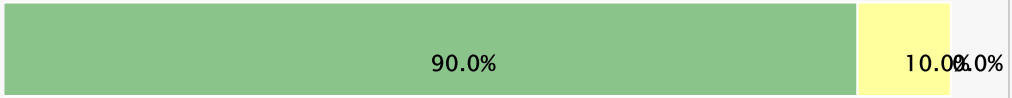
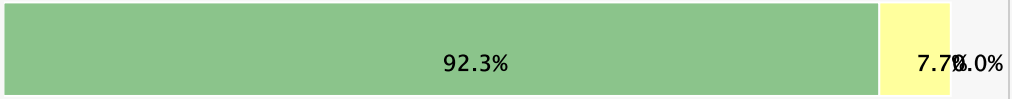
The Master's University & Seminary
Outcome Assessment Summary Report

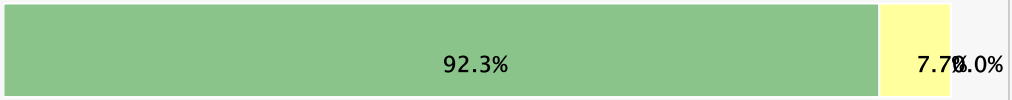
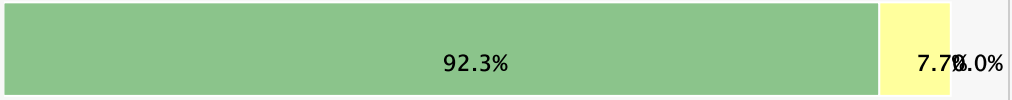
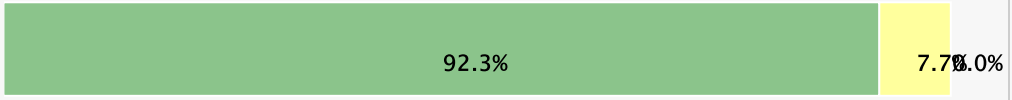
Report Parameters

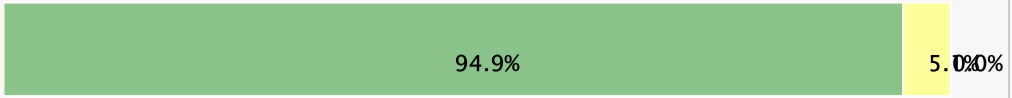
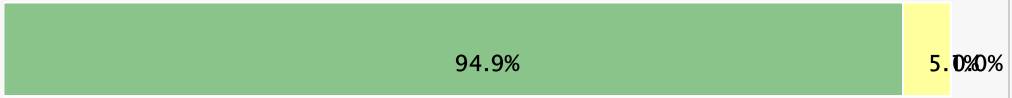
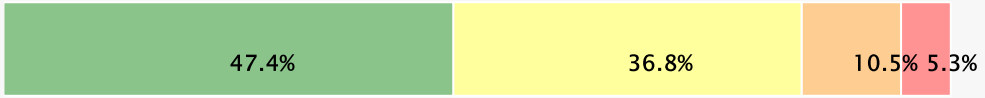
Outcome Space: Program - TMU BS in Biological Sciences - Core
Level: Program
Term: 2019 Spring TMU Trad, 2020 Fall TMU Trad and 4 more...
Student Minor: No records found!
Detail Level: Learning Indicator
Edit Report Parameters

Outcome Set	Outcome Code	Outcome Description	Total Assessments	Outcome Rubric Distribution	Success
TMU BS in Biological Sciences - Core	U.BS.BIO.01	Employ the methods of science to solve research questions.			
	U.BS.BIO.1.PI4	Correctly measures and records the physical properties of the unknown.	14		100 %
	U.BS.BIO.1.PI5	Selects and performs appropriate chemical tests to identify the functional group of the compound.	14		100 %

Outcome Set	Outcome Code	Outcome Description	Total Assessments	Outcome Rubric Distribution	Success
	U.BS.BIO.1.PI6	Select and successfully prepare the most useful derivative of the unknown.	14		100 %
Average Student Performance Level across all PIs			42		100 %
TMU BS in Biological Sciences - Core	U.BS.BIO.02	Employ a knowledge of cell structure and function to analyze and interpret scientific data.			
	U.BS.BIO.2.PI1	Student Percentile Score on the ETS MFT– Cell Biology Sub-score.	18		28 %
Average Student Performance Level across all PIs			18		28 %
TMU BS in Biological Sciences - Core	U.BS.BIO.03	Apply taxonomy, phylogeny, and diversification of living organisms to analyze and interpret scientific data.			

Outcome Set	Outcome Code	Outcome Description	Total Assessments	Outcome Rubric Distribution	Success
	U.BS.BIO.3.PI1	Student Percentile Score on the ETS MFT– Organismal Biology Sub-score.	18		44 %
	U.BS.BIO.3.PI2	Correctly interprets the data in the context of phylogenetics.	50		100 %
	U.BS.BIO.3.PI3	Correctly interpret the data in the context of speciation.	65		100 %
Average Student Performance Level across all PIs			133		92 %
TMU BS in Biological Sciences - Core	U.BS.BIO.04	Apply the principles of inheritance, and use genomes to compare organisms and diagnose disease.			
	U.BS.BIO.4.PI1	Student Percentile Score on the ETS MFT– Molecular Biology & Genetics Sub-score..	18		44 %

Outcome Set	Outcome Code	Outcome Description	Total Assessments	Outcome Rubric Distribution	Success
Average Student Performance Level across all PIs			18		44 %
TMU BS in Biological Sciences - Core	U.BS.BIO.05	Integrate Scripture and science to explain God's revealed Truth.			
	U.BS.BIO.5.PI1	Correctly explains varying strategies to explain conflict between Scripture and the current scientific paradigm.	65		100 %
	U.BS.BIO.5.PI2	Provides a rational alternative explanation using Scripture as scientific fact.	65		100 %
Average Student Performance Level across all PIs			130		100 %
TMU BS in Biological Sciences - Core	U.BS.BIO.06	Employ mathematical tools to analyze data and solve research questions. (BS Core only.)			

Outcome Set	Outcome Code	Outcome Description	Total Assessments	Outcome Rubric Distribution	Success
	U.BS.BIO.6.PI1	Identifies whether appropriate statistical tests were used to complete the data analysis.	39		100 %
	U.BS.BIO.6.PI2	Identifies whether the conclusions appropriately supported by the statistical results.	39		100 %
	U.BS.BIO.6.PI3	Chooses appropriate mathematical approach to solve the problem presented.	19		84 %
	U.BS.BIO.6.PI4	Accurately completes necessary mathematical calculations to obtain a solution.	19		84 %
Average Student Performance Level across all PIs			116		95 %
Average Student Performance Level across all PIs			457		91 %

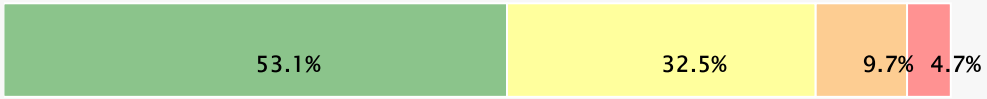
The Master's University & Seminary
Outcome Assessment Summary Report

Report Parameters

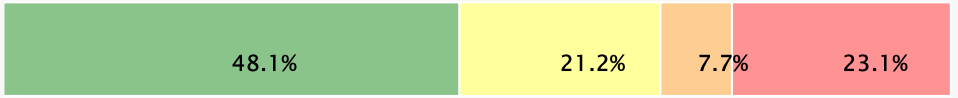
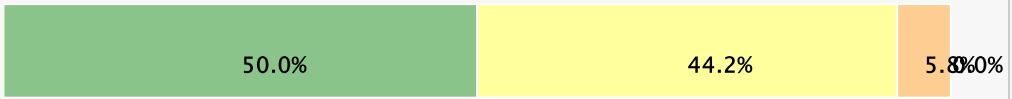
Outcome Space: Program - TMU Baccalaureate GE - Biological & Physical Sciences
Level: Program
Term: 2019 Spring TMU Trad, 2020 Spring TMU Trad and 2 more...
Student Minor: No records found!
Detail Level: Learning Indicator
Edit Report Parameters

Outcome Set	Outcome Code	Outcome Description	Total Assessments	Outcome Rubric Distribution	Success
TMU Baccalaureate GE - Biological & Physical Sciences	U.GE.BPS.01	Explain the scientific method, its use and limitations within each of its various disciplines, and its relation to Truth.			
	U.GE.BPS.1.PI01	Individual student % score on first course exam.	174		95 %
Average Student Performance Level across all PIs			174		95 %

Outcome Set	Outcome Code	Outcome Description	Total Assessments	Outcome Rubric Distribution	Success
TMU Baccalaureate GE - Biological & Physical Sciences	U.GE.BPS.02	Demonstrate an understanding of how the glory of God is revealed through an increased understanding of the complexity and beauty of His creation.			
	U.GE.BPS.2.PI01	Student comments evidence clarity of thought and written expression.	173		79 %
	U.GE.BPS.2.PI02	Evidences an understanding of the concept of how beauty applies to the biological and physical sciences.	173		88 %
	U.GE.BPS.2.PI03	Evidences an understanding of the concept of how complexity applies the biological and physical sciences.	141		86 %

Outcome Set	Outcome Code	Outcome Description	Total Assessments	Outcome Rubric Distribution	Success
	U.GE.BPS.2.PI04	Evidences an understanding of the revelation of God and demonstration of His glory are seen through the biological and physical sciences.	91		92 %
Average Student Performance Level across all PIs			578		86 %
TMU Baccalaureate GE - Biological & Physical Sciences	U.GE.BPS.03	Compare and contrast the effect of various theocentric and naturalistic worldviews on the development of biological and physical sciences, and scientific thought in general.			
	U.GE.BPS.3.PI01	Concepts presented in lectures and class texts are incorporated in the student's discussion statements.	137		86 %

Outcome Set	Outcome Code	Outcome Description	Total Assessments	Outcome Rubric Distribution	Success
	U.GE.BPS.3.PI02	Quantity of comments indicates acceptable level of student engagement in the discussion.	137		88 %
	U.GE.BPS.3.PI03	Student comments go beyond repetition of presented information. Includes application, analysis and synthesis of it.	137		85 %
	U.GE.BPS.3.PI04	Student comments evidence clarity of thought and written expression.	137		89 %
Average Student Performance Level across all PIs			548		87 %

Outcome Set	Outcome Code	Outcome Description	Total Assessments	Outcome Rubric Distribution	Success
TMU Baccalaureate GE - Biological & Physical Sciences	U.GE.BPS.04	Explain the use of the scientific process within the biological and physical sciences identifying foundational assumptions, processes for inquiry, establishment of conclusions, and application of those principles in the day-to-day happenings in the world.			
	U.GE.BPS.4.PI01	The paper evidences a clarity of thought and written expression.	52		69 %
	U.GE.BPS.4.PI02	Demonstrates that the student has gained a better understanding of some aspect of the biological or physical world.	52		77 %
	U.GE.BPS.4.PI03	Demonstrates an understanding of the elements of the scientific process.	52		77 %
	U.GE.BPS.4.PI04	Demonstrates the ability to be a productive member of a working group.	52		94 %

Outcome Set	Outcome Code	Outcome Description	Total Assessments	Outcome Rubric Distribution	Success
	U.GE.BPS.4.PI05	The paper demonstrates that the student has actively collected and analyzed research data.	52		73 %
Average Student Performance Level across all PIs			260		78 %
TMU Baccalaureate GE - Biological & Physical Sciences	U.GE.BPS.05	Demonstrate an ability to use the scientific process to solve qualitative and quantitative problems in biology in both the classroom and laboratory settings.			
	U.GE.BPS.5.PI01	Demonstrates an understanding of the chemical building blocks of life.	27		96 %

Outcome Set	Outcome Code	Outcome Description	Total Assessments	Outcome Rubric Distribution	Success
	U.GE.BPS.5.PI02	Demonstrates an understanding of the complexity and order as seen throughout God's creation.	27		96 %
	U.GE.BPS.5.PI03	Demonstrates the ability to complete the hands-on processes involved in a laboratory setting.	27		96 %
	U.GE.BPS.5.PI04	Demonstrates the ability to interpret information collected through hands-on laboratory procedures.	27		96 %
Average Student Performance Level across all PIs			108		96 %

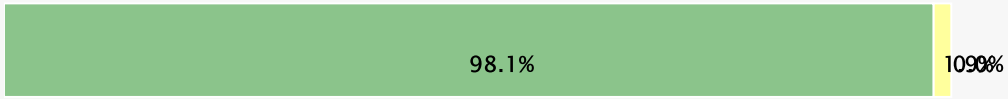
Outcome Set	Outcome Code	Outcome Description	Total Assessments	Outcome Rubric Distribution	Success
TMU Baccalaureate GE - Biological & Physical Sciences	U.GE.BPS.06	Demonstrate the ability to perform the basic operations associated with standard laboratory procedures in the biological and physical sciences.			
	U.GE.BPS.6.PI01	Demonstrates the ability to complete the hands-on processes involved in a laboratory setting.	27		100 %
	U.GE.BPS.6.PI02	Demonstrates the ability to interpret information collected through hands-on laboratory procedures.	66		94 %
	U.GE.BPS.6.PI03	Demonstrates the ability to construct and perform a step-by-step analytical procedure to solve a problem.	66		94 %

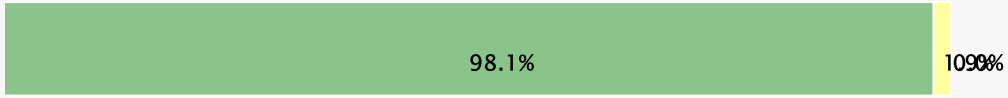
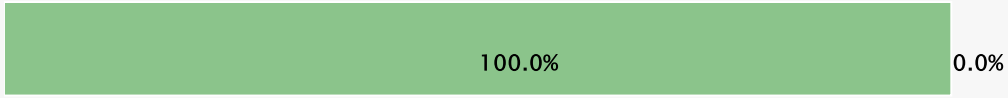
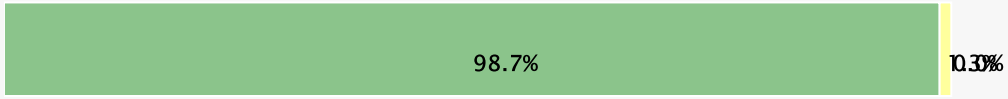
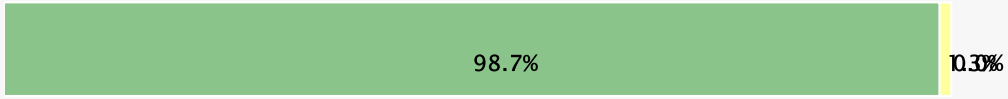
Outcome Set	Outcome Code	Outcome Description	Total Assessments	Outcome Rubric Distribution	Success
Average Student Performance Level across all PIs			159		95 %
Average Student Performance Level across all PIs			1827		87 %

The Master's University & Seminary
Outcome Assessment Summary Report

Report Parameters

Outcome Space: Program - TMU BS in Biological & Physical Sciences - Natural History/Environmental Biology
Level: Program
Term: 2019 Spring TMU Trad, 2020 Spring TMU Trad and 2 more...
Student Minor: No records found!
Detail Level: Learning Indicator
Edit Report Parameters

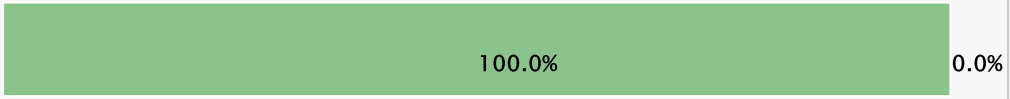
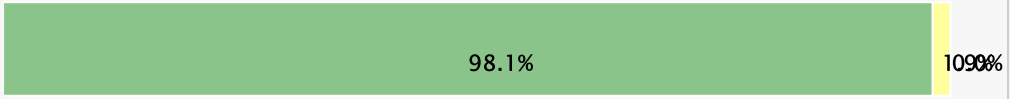
Outcome Set	Outcome Code	Outcome Description	Total Assessments	Outcome Rubric Distribution	Success
TMU BS in Biological & Physical Sciences - Natural History/Environmental Biology	U.BS.BIO.ENVR.01	Analyze an ecosystem to identify relationships among organisms and that environment.			
	U.BS.BIO.ENVR.1.PI1	Correctly describes the relationship between the ecosystem and humans.	53		100 %

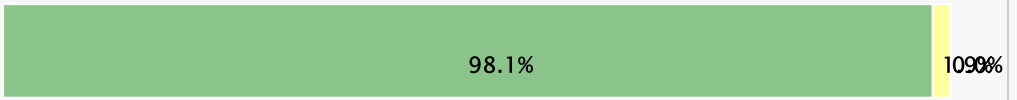
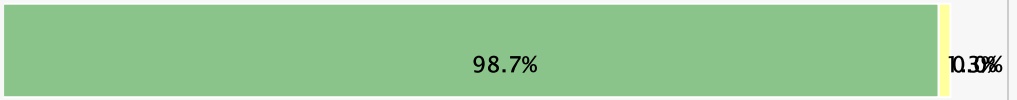
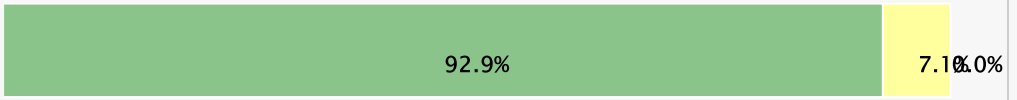
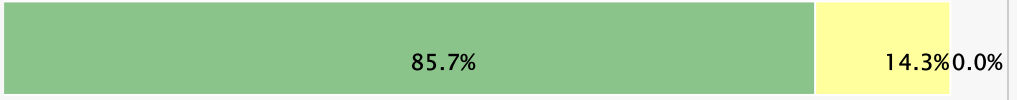
Outcome Set	Outcome Code	Outcome Description	Total Assessments	Outcome Rubric Distribution	Success
	U.BS.BIO.ENVR.1.PI2	Explains strategies that maximize the potential that the ecosystem service will be sustainable.	53		100 %
	U.BS.BIO.ENVR.1.PI3	The project integrates a biblical stewardship perspective into the approach to sustainable ecosystem services.	53		100 %
Average Student Performance Level across all PIs			159		100 %
Average Student Performance Level across all PIs			159		100 %

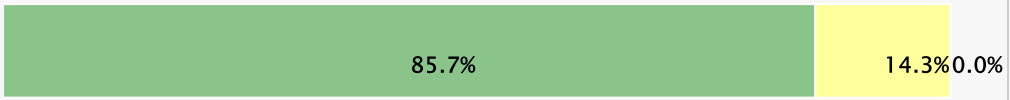
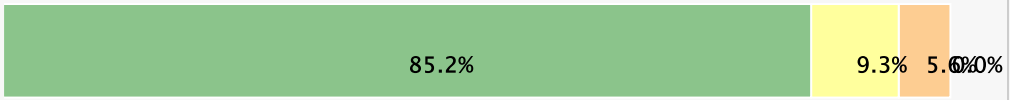
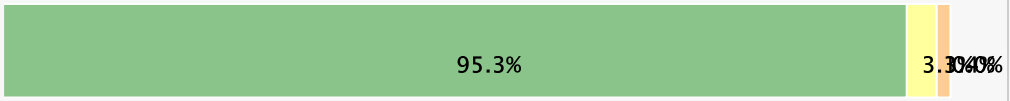
The Master's University & Seminary
Outcome Assessment Summary Report

Report Parameters

Outcome Space: Program - TMU BS in Biological Science: Paleontology/Natural History
Level: Program
Term: 2019 Spring TMU Trad, 2020 Spring TMU Trad and 2 more...
Student Minor: No records found!
Detail Level: Learning Indicator
Edit Report Parameters

Outcome Set	Outcome Code	Outcome Description	Total Assessments	Outcome Rubric Distribution	Success
TMU BS in Biological & Physical Sciences - Paleontology	U.BS.BIO.PAL.01	Analyze an ecosystem to identify relationships among organisms and that environment.			
	U.BS.BIO.PAL.1.PI1	Correctly describes the relationship between the ecosystem and humans. (Same as U.BS.BIO.ENVR.1.PI1)	53		100 %
	U.BS.BIO.PAL.1.PI2	Explains strategies that maximize the potential that the ecosystem service will be sustainable. (Same as U.BS.BIO.ENVR.1.PI2)	53		100 %

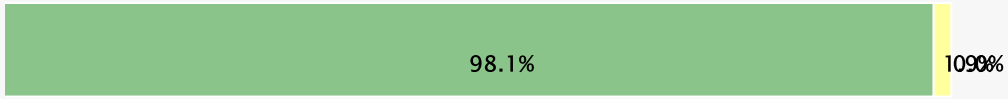
Outcome Set	Outcome Code	Outcome Description	Total Assessments	Outcome Rubric Distribution	Success
	U.BS.BIO.PAL.1.PI3	The project integrates a biblical stewardship perspective into the approach to sustainable ecosystem services. (Same as U.BS.BIO.ENVR.1.PI3)	53		100 %
Average Student Performance Level across all PIs			159		100 %
TMU BS in Biological & Physical Sciences - Paleontology	U.BS.BIO.PAL.02	Interpret earth history using the fossil record.			
	U.BS.BIO.PAL.2.PI1	Correctly describes the stratigraphic range of the fossil taxon.	14		100 %
	U.BS.BIO.PAL.2.PI2	Accurately explains the taxonomic and phylogenetic relationships within and outside of the taxon.	14		100 %

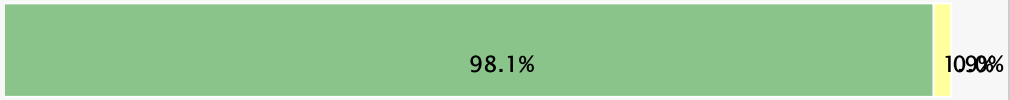
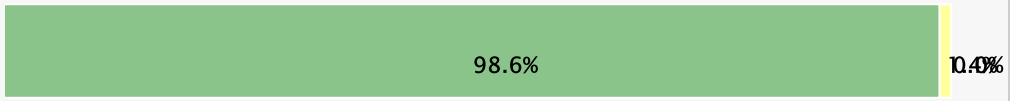
Outcome Set	Outcome Code	Outcome Description	Total Assessments	Outcome Rubric Distribution	Success
	U.BS.BIO.PAL.2.PI3	Effectively compares and contrasts a conventional and theocentric perspective on the fossil record of the taxon in question.	19		84 %
	U.BS.BIO.PAL.2.PI4	Student percent score on final exam in LS375.	7		100 %
Average Student Performance Level across all PIs			54		94 %
Average Student Performance Level across all PIs			213		99 %

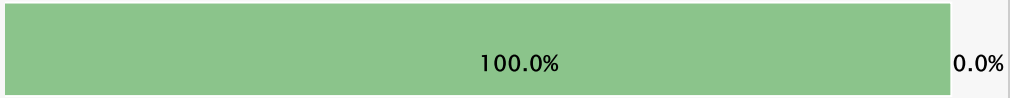
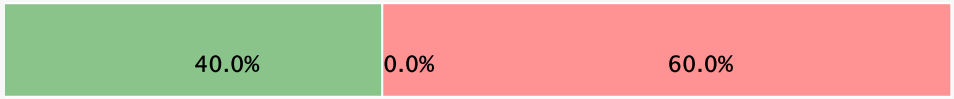
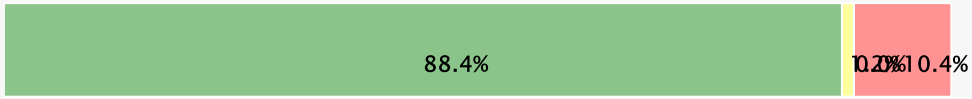
The Master's University & Seminary
Outcome Assessment Summary Report

Report Parameters

Outcome Space: Program - TMU BS in Biological & Physical Sciences - Pre-Medical/Pre-Dentistry/Pre-Allied Health
Level: Program
Term: 2019 Spring TMU Trad, 2020 Spring TMU Trad and 3 more...
Student Minor: No records found!
Detail Level: Learning Indicator
Edit Report Parameters

Outcome Set	Outcome Code	Outcome Description	Total Assessments	Outcome Rubric Distribution	Success
TMU BS in Biological & Physical Sciences - Pre-Medical/Pre-Dentistry/Pre-Allied Health	U.BS.BIO.PMD.01	Analyze an ecosystem to identify relationships among organisms and that environment.			
	U.BS.BIO.PMD.1.PI1	Correctly describes the relationship between the ecosystem and humans. (Same as U.BS.BIO.ENVR.1.PI1)	53		100 %

Outcome Set	Outcome Code	Outcome Description	Total Assessments	Outcome Rubric Distribution	Success
	U.BS.BIO.PMD.1.PI2	Explains strategies that maximize the potential that the ecosystem service will be sustainable. (Same as U.BS.BIO.ENVR.1.PI2)	53		100 %
	U.BS.BIO.PMD.1.PI3	The project integrates a biblical stewardship perspective into the approach to sustainable ecosystem services. (Same as U.BS.BIO.ENVR.1.PI3)	37		100 %
Average Student Performance Level across all PIs			143		100 %
TMU BS in Biological & Physical Sciences - Pre-Medical/Pre-Dentistry/Pre-Allied Health	U.BS.BIO.PMD.02	Integrate thermodynamics and biochemical pathways to describe metabolism.			

Outcome Set	Outcome Code	Outcome Description	Total Assessments	Outcome Rubric Distribution	Success
	U.BS.BIO.PMD.2.PI1	Individual student percent scores from the final course exam.	12		100 %
	U.BS.BIO.PMD.2.PI2	Student Percentile Score on the ETS MFT– Biochemistry & Cell Energetics Assessment Indicator	18		0 %
Average Student Performance Level across all PIs			30		40 %
Average Student Performance Level across all PIs			173		90 %