Program Assessment

2019-2020

Agriculture and Biological Sciences

	Biology/Zoology
Date	Click or tap to enter a date.
Competency # and Description	1. Demonstrate the levels of organization from atoms to ecosystems
Course	BISI 1314 – General Botany BISI 1414 – General Zoology BISI 2124 - Microbiology
Activity	BISI 1314 - exam BISI 1414 - exam BISI 2124 - exam
Measurement (attached copy of instrument with point distribution)	BISI 1314 - exam BISI 1414 - exam BISI 2124 - exam
Evaluation Criteria	70% pass rate on exam
2015-2016 Results	BISI 1314 9 out of 11 – 81.8% BISI 1414 27 out of 34 – 79.4% BISI 2124 46 out of 64 – 71.9%
2016-2017 Results	BISI 1314 7 out of 9 – 77.8% BISI 1414 23 out of 34 – 67.6% BISI 2124 35 out of 62 – 56.5%
2017-2018 Results	BISI 1314 6 out of 11 – 54.5% BISI 1414 20 out of 29 – 69.0 % BISI 2124 28 out of 47 – 59.6%
2018-2019 Results	BISI 1314 8/8 – 100% BISI 1414 25/33 – 75.8% BISI 2124 33/58 – 56.9%
2019-2020 Results	
Summary of previous changes 2018-2019	No changes. Majority of courses either met or exceeded pass rates.
Recommendation for changes for 2019-2020	Data to be assessed in Fall with faculty.
Recommendation for changes for 2020-2021	
Timeline for Review	Fall/spring data will be collected in the spring and reviewed at the beginning of the fall semester. Instructors from all campuses will determine needed adjustments.
Date	Click or tap to enter a date.

Competency # and Description	2. Demonstrate effective implementation of the scientific method and written and oral expression of scientific concepts and analysis of data.
Course	BISI 1314 – General Botany BISI 1414 – General Zoology BISI 2124 - Microbiology CHEM 1414 – General Chemistry II PHYS 1114 – General Physics I
Activity	BISI 1314 – Quizzes, BISI 1414 – Paper, exam BISI 2124 – Exam, quiz, paper CHEM 1414 - lab PHYS 1114 – Quiz, lab
Measurement (attached copy of instrument with point distribution)	BISI 1314 – Quizzes, BISI 1414 – Paper, exam BISI 2124 – Exam, quiz, paper CHEM 1414 - lab PHYS 1114 – Quiz, lab
Evaluation Criteria	70% pass rate on activity
2015-2016 Results	BISI 1314 6 out of 11 – 54.5% BISI 1414 22 out of 25 – 88% BISI 2124 50 out of 60 – 83.3% CHEM 1414 46 out of 46 – 100% PHYS 1114 63 out of 72 – 87.5%
2016-2017 Results	BISI 1314 7 out of 9 – 77.8% BISI 1414 29 out of 34 – 85.3% BISI 2124 49 out of 57 – 86.0% CHEM 1414 46 out of 55 – 83.6% PHYS 1114 57 out of 63 – 90.5%
2017-2018 Results	BISI 1314 6 out of 11 – 54.5% BISI 1414 23 out of 26 – 88.5% BISI 2124 41 out of 43 – 95.3% CHEM 1414 50 out of 53 – 94.3% PHYS 1114 25 out of 28 – 89.3%
2018-2019 Results	BISI 1314 6/8 – 75% BISI 1414 47/49 – 95.9% BISI 2124 53/58 – 91.4% CHEM 1414 47/47 – 100% PHYS 1114 38/51 – 74.5%
2019-2020 Results	
Summary of previous changes 2018-2019	No changes. Majority of courses either met or exceeded pass rates.
Recommendation for changes for 2019-2020	Data to be assessed in Fall with faculty.
Recommendation for changes for 2020-2021	
Timeline for Review	Fall/spring data will be collected in the spring and reviewed at the beginning of the fall semester. Instructors from all campuses will determine needed adjustments.

Date	Click or tap to enter a date.
Competency # and Description	3. Explain evolutionary theory and its supporting principles.
Course	BISI 1314 – General Botany BISI 1414 – General Zoology BISI 2124 - Microbiology
Activity	BISI 1314 – Quizzes/Exams BISI 1414 – Quizzes/Exams BISI 2124 – Quizzes/Exams
Measurement (attached copy of instrument with point distribution)	BISI 1314 – Quizzes/Exams BISI 1414 – Quizzes/Exams BISI 2124 – Quizzes/Exams
Evaluation Criteria	70% pass rate on activity
2015-2016 Results	BISI 1314 7 out of 11 – 63.6% BISI 1414 22 out of 27 – 81.4% BISI 2124 45 out of 64 – 70%
2016-2017 Results	BISI 1314 7 out of 9 – 77.8% BISI 1414 46 out of 63 – 73.0% BISI 2124 41 out of 55 – 74.5%
2017-2018 Results	BISI 1314 5 out of 11 – 45.5% BISI 1414 21 out of 24 – 87.5% BISI 2124 33 out of 48 – 68.9%
2018-2019 Results	BISI 1314 5/9 – 55.6% BISI 1414 14/21 – 66.7% BISI 2124 30/55 – 54.5%
2019-2020 Results	
Summary of previous changes 2018-2019	No changes. Majority of courses either met or exceeded pass rates.
Recommendation for changes for 2019-2020	Data to be assessed in Fall with faculty.
Recommendation for changes for 2020-2021	
Timeline for Review	Fall/spring data will be collected in the spring and reviewed at the beginning of the fall semester. Instructors from all campuses will determine needed adjustments.
Assessment for HPER	
Date	Click or tap to enter a date.
Competency # and Description	4. Demonstrate knowledge and application of the mechanics of the human body.
Course	BISI 2104 – Human Anatomy BISI 2204 – Human Physiology
Activity	BISI 2104 – Exam 3 BISI 2204 – Average of 5 exams

Measurement (attached copy of instrument with point distribution)	BISI 2104 – Exam covering muscles and contraction mechanism. BISI 2204 – Exams covering the application of mechanics.
Evaluation Criteria	BISI 2104 – 70% of students will successfully pass this test BISI 2204 - 70% of students will successfully pass this test
Previous Results	N/A
2017-2018 Results	BISI 2104 – BISI 2204 -
2018-2019 Results	BISI 2104 – 47/61 – 77.0% BISI 2204 31/52 – 59.6%
2019-2020 Results	
Summary of previous changes 2018-2019	No data collected
Recommendation for changes for 2019-2020	Data to be assessed in Fall with faculty.
Recommendation for changes for 2020-2021	
Timeline for Review	Fall/spring data will be collected and reviewed in the spring and instructors from all campuses will determine needed adjustments.

Summary of Program and Divisional Changes	
2016-2017	• Added additional summer course offerings of BISI 1114 (online) and CHEM 1314 (Tonkawa). • Purchased student lab materials for Stillwater (A&P models, Physiology computer interfaces, Botany microscope slides).
2017-2018	• Added sections of BISI 1314, BISI 2104, BISI 2204 in Stillwater. • Began offering CHEM 1414 during the fall semester in Enid.
2018-2019	• Added fall offering of BISI 2104 and spring offering of BISI 2204 in Stillwater • Increased online course offerings for BISI 1114, BISI 2204 and BISI 1214 for fall and spring semesters • Increased summer online course offerings for NUTR 2123, BISI 1114, and HLST 1113 • Increased online offerings of HLST 1113 for summer and fall • Added evening course offerings for BISI 2124 and BISI 2214 in Tonkawa • Added a 16-week and an 8-week hybrid section of BISI 1114 and corresponding lab sections in Stillwater • Added the "Introduction to Scientific Research" course offering for spring semester in Tonkawa • Purchased A&P lab models and Physiology computer interfaces for Stillwater lab sections. • Added fall offering of BISI 2104 and spring offering of BISI 2204 in Stillwater • Increased online course offerings for BISI 1114, BISI 2204 and BISI 1214 for fall and spring semesters • Added evening course offerings for BISI 2124 and BISI 2214 in Tonkawa • Added a 16-week and an 8-week hybrid section of BISI 1114 and corresponding lab sections in Stillwater

2019-2020	•

Recommendations for Program Changes	
2017-2018	• Monitor enrollment for BISI 1124, BISI 2104 and BISI 2204 to assess the need to add more sections across campuses. • Purchase new microscopes for Enid and Stillwater campuses.
2018-2019	• Incorporate an "overall" average for each competency for comparison back to yearly averages. • Report data for BISI students only for CHEM 1414 and PHYS 1114.
2019-2020	Data to be assessed in Fall with faculty.
2020-2021	

Ag, Science, & Engineering

		Program Level Outcomes Timeline				
Program Objectives – Biology/Zoology	Course Map	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1. Demonstrate the levels of organization from atoms to ecosystems.	BISI 1314 BISI 1414 BISI 2124	X	X	X	X	X
2. Demonstrate effective implementation of the scientific method and written and oral expression of scientific concepts and data.	BISI 1314 BISI 1414 BISI 2124 CHEM 1414 PHYS 1114	X	X	X	X	X
3. Explain evolutionary theory and its supporting principles	BISI 1314 BISIS 1414 BISI 2124	X	X	X	X	X