

Bachelor of Science in Biology, Macon

Semester reporting: Spring Semester 2020

Academic Program Assessment

Program and Assessment Report Information

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| Prepared on: 7/7/2020 3:16:08 PM | Prepared by: dawn.sherry@mga.edu |
| | Email address of person responsible for this report: dawn.sherry@mga.edu |
| In which college or school is this program located? | Health and Natural Sciences |
| Program Type: | Undergraduate |
| For which program is this assessment being submitted? | Bachelor of Science in Biology |
| Reporting Cycle: | Annual Reporting Cycle |
| Which semester were the data collected and analyzed? | Spring Semester 2020 |
| For which campus are these assessments being submitted? | Macon |
| Approximately how many students are in this program at this location? | 194 |

Student Learning Outcomes

SLO 1

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| SLO 1: What is the first Student Learning Outcome for this academic program? Student Learning Outcomes should be stated in measurable terms (i.e. students will be able to.....) | Biology majors should be able to demonstrate knowledge of the processes of evolution. |
| SLO 1: What instrument (assessment type) was used to measure student's ability to demonstrate mastery of this learning outcome? (i.e. exam, assignment with rubric, speech, demonstration of ability, lab assignment) | Exam |
| SLO 1: What target performance level would a student need to achieve on the assessment instrument to demonstrate mastery of this learning outcome? (i.e. 80% of all students will earn an average grade of 75% or better on....) | 70 % students will correctly answer 5 exam questions. |
| SLO 1: During this assessment cycle, what percent of the students who participated in this assessment demonstrated mastery of this learning outcome? (this should be a number between 0-100) | 74 |
| SLO 1: Evidence of changes based on an analysis of the results: What changes were implemented, if applicable, based on an analysis of the students' performance on this Student Learning Outcome? (Evidence of the improvement must be kept and filed in the department or academic unit including but not limited to: changes in exam questions, reading assignments, syllabi, course instruction materials or assignments. Both old versions and new versions should be kept on file for 10 years. Major changes to curriculum must go through the Academic Affairs process.) | N/A |

Student Learning Outcomes

SLO 2

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| SLO 2: What is the second Student Learning Outcome for this academic program? Student Learning Outcomes should be stated in measurable terms (i.e. students will be able to.....) | Biology majors should be able to demonstrate knowledge of the differences and commonalities between prokaryotic and eukaryotic cells |
| SLO 2: What instrument (assessment type) was used to measure student's ability to demonstrate mastery of this learning outcome? (i.e. exam, assignment with rubric, speech, demonstration of ability, lab assignment) | Exam |
| SLO 2: What target performance level would a student need to achieve on the assessment instrument to demonstrate mastery of this learning outcome? (i.e. 80% of all students will earn an average grade of 75% or better on.....). | 70% of students will correctly answer 5 questions on the BIOL 3104K Cell Biology final exam. |
| SLO 2: During this assessment cycle, what percent of the students who participated in this assessment demonstrated mastery of this learning outcome? (this should be a number between 0-100) | 87 |
| SLO 2: Evidence of changes based on an analysis of the results: What changes were implemented, if applicable, based on an analysis of the students' performance on this Student Learning Outcome? (Evidence of the improvement must be kept and filed in the department or academic unit including but not limited to: changes in exam questions, reading assignments, syllabi, course instruction materials or assignments. Both old versions and new versions should be kept on file for 10 years. Major changes to curriculum must go through the Academic Affairs process.) | N/A |

Student Learning Outcomes

SLO 3

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| SLO 3: What is the third Student Learning Outcome for this academic program? Student Learning Outcomes should be stated in measurable terms (i.e. students will be able to.....) | Students will correctly answer 5 questions on the BIOL 4110K Genetics final exam. |
| SLO 3: What instrument (assessment type) was used to measure student's ability to demonstrate mastery of this learning outcome? (i.e. exam, assignment with rubric, speech, demonstration of ability, lab assignment) | Exam |
| SLO 3: What target performance level would a student need to achieve on the assessment instrument to demonstrate mastery of this learning outcome? (i.e. 80% of all students will earn an average grade of 75% or better on.....). | 70% of students will correctly answer 5 questions on the BIOL 4110 Genetics Exam |
| SLO 3: During this assessment cycle, what percent of the students who participated in this assessment demonstrated mastery of this learning outcome? (this should be a number between 0-100) | 74 |
| SLO 3: Evidence of changes based on an analysis of the results: What changes were implemented, if applicable, based on an analysis of the students' performance on this Student Learning Outcome? (Evidence of the improvement must be kept and filed in the department or academic unit including but not limited to: changes in exam questions, reading assignments, syllabi, course instruction materials or assignments. Both old versions and new versions should be kept on file for 10 years. Major changes to curriculum must go through the Academic Affairs process.) | N/A |

Student Learning Outcomes

SLO 4

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| SLO 4: What is the fourth Student Learning Outcome for this academic program? Student Learning Outcomes should be stated in measurable terms (i.e. students will be able to.....) | Biology majors should be able to demonstrate knowledge of diversity and speciation of living things. |
| SLO 4: What instrument (assessment type) was used to measure student's ability to demonstrate mastery of this learning outcome? (i.e. exam, assignment with rubric, speech, demonstration of ability, lab assignment) | Exam |
| SLO 4: What target performance level would a student need to achieve on the assessment instrument to demonstrate mastery of this learning outcome? (i.e. 80% of all students will earn an average grade of 75% or better on.....) | 70% of students will correctly answer 5 final exam questions in one of the following courses BIOL 3510 Invertebrate Zoology, BIOL 3520 Vertebrate Zoology or BIOL 3360 Plant Biology. |
| SLO 4: During this assessment cycle, what percent of the students who participated in this assessment demonstrated mastery of this learning outcome? (this should be a number between 0-100) | 81 |
| SLO 4: Evidence of changes based on an analysis of the results: What changes were implemented, if applicable, based on an analysis of the students' performance on this Student Learning Outcome? (Evidence of the improvement must be kept and filed in the department or academic unit including but not limited to: changes in exam questions, reading assignments, syllabi, course instruction materials or assignments. Both old versions and new versions should be kept on file for 10 years. Major changes to curriculum must go through the Academic Affairs process.) | N/A |

Sampling

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| How many students participated in the assessment of these learning outcomes, in this program, for this assessment cycle at this location? | 161 |
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Open Box for Assessment Comments

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| Open Text Box For Assessment Comments: | <p>*The correct answer for #25 is: BIOL 3510K FA 19: 81.2%, n=33; BIOL 3520 SP 20: 70.8%, n=26. Form will not allow text.</p> <p>**The B.S. Biology program has 5 Student Learning Outcomes. This Google Doc only allows for four. Below is the data for the 5th SLO-Macon campus.</p> <p>SLO 5: Biology majors should be able to communicate scientific information both written and orally. This is assessed with a written, oral or research project.</p> <p>Students should score 70% or higher on this project.</p> <p>Total n=32.</p> <p>BIOL 4120-FA 19: 91%, n=11 BIOL 4120-SP 20: 84% was the average score, n=12; BIOL 4894-FA 19: 94% on written assessment, n=1 BIOL 4894-FA 19: 87%, n=3 BIOL 4894-FA 19:70%, n=1 BIOL 4894-SP 20: 94.5%, n=4</p> |
| If the COVID-19 pandemic impacted this assessment cycle, please provide specific details below. (Also submit any COVID-19 correspondence from your accrediting body to assessment@mga.edu when you submit this form with your Department name and program in the subject line.) | N/A |

