Outcome Assessment Timeline

Academic Programs

Physics

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| **APR /SLO 3-Year Cycle** | **2021 FA - 2024 SP** |
| **Course ID** | **Course-Level Student Learning Outcome (CSLO)** | **Measure/Collect Data** | **Discuss & Plan** |
| PHYS 170COLLEGE PHYSICS I | Students will analyze observations from different physical situations and recognize the underlying laws of physics that govern wide-ranging phenomena seen in nature. | 2022 SP | 2022 FA |
| Students will formulate and analyze physics problems mathematically by translating words into mathematical equations and find the quantitative solutions.  | 2020 SP | 2020 FA |
| PHYS 171COLLEGE PHYSICS LABORATORY | Students will effectively communicate their ideas with the others by suggesting, assessing, and contrasting different approaches to the experiments. | 2022 SP | 2022 FA |
| Students will be able to analyze data collected in experiments to investigate and draw possible contrasts with the predictions from the laws of physics.  | 2020 SP | 2020 FA |
| PHYS 172**COLLEGE PHYSICS II** | Students will analyze observations from different physical situations and recognize the underlying laws of physics that govern wide-ranging phenomena seen in nature.  | 2022 SP | 2022 FA |
| Students will formulate and analyze physics problems mathematically by translating words into mathematical equations and find the quantitative solutions. | 2020 SP | 2020 FA |
| PHYS 173COLLEGE PHYSICS LABORATORY II | Students will effectively communicate their ideas with the others by suggesting, assessing, and contrasting different approaches to the experiments. | 2022 SP | 2022 FA |
| Students will be able to analyze data collected in experiments to investigate and draw possible contrasts with the predictions from the laws of physics. | 2020 SP | 2020 FA |
| PHYS 174COLLEGE PHYSICS III | Students will analyze observations from different physical situations and recognize the underlying laws of physics that govern wide-ranging phenomena seen in nature. | 2022 FA | 2020 SP |
| Students will formulate and analyze physics problems mathematically by translating words into mathematical equations and find the quantitative solutions. | 2021 FA | 2022 SP |
| PHYS 175COLLEGE PHYSICS LABORATORY III | Students will effectively communicate their ideas with the others by suggesting, assessing, and contrasting different approaches to the experiments. | 2022 SP | 2020 SP |
| Students will be able to analyze data collected in experiments to investigate and draw possible contrasts with the predictions from the laws of physics. | 2021 FA | 2022 SP |
| PHYS 270PRINCIPLES OF PHYSICS I | Students will analyze observations from different physical situations and recognize the underlying laws of physics that govern wide-ranging phenomena seen in nature. | 2022 SP | 2022 FA |
| Students will formulate and analyze physics problems mathematically by translating words into mathematical equations and find the quantitative solutions. | 2020 SP | 2020 FA |
| PHYS 271PRINCIPLES OF PHYSICS LABORATORY I | Students will effectively communicate their ideas with the others by suggesting, assessing, and contrasting different approaches to the experiments. | 2022 SP | 2022 FA |
| Students will be able to analyze data collected in experiments to investigate and draw possible contrasts with the predictions from the laws of physics. | 2020 SP | 2020 FA |
| PHYS 272PRINCIPLES OF PHYSICS II | Students will analyze observations from different physical situations and recognize the underlying laws of physics that govern wide-ranging phenomena seen in nature. | 2022 SP | 2022 FA |
| Students will formulate and analyze physics problems mathematically by translating words into mathematical equations and find the quantitative solutions. | 2020 SP | 2020 FA |
| PHYS 273PRINCIPLES OF PHYSICS LABORATORY II | Students will effectively communicate their ideas with the others by suggesting, assessing, and contrasting different approaches to the experiments. | 2022 SP | 2022 FA |
| Students will be able to analyze data collected in experiments to investigate and draw possible contrasts with the predictions from the laws of physics. | 2020 SP | 2020 FA |
| PHYS 274PRINCIPLES OF PHYSICS III | Students will analyze observations from different physical situations and recognize the underlying laws of physics that govern wide-ranging phenomena seen in nature. | 2022 SP | 2022 FA |
| Students will formulate and analyze physics problems mathematically by translating words into mathematical equations and find the quantitative solutions. | 2020 SP | 2020 FA |
| PHYS 275PRINCIPLES OF PHYSICS LABORATORY III | Students will effectively communicate their ideas with the others by suggesting, assessing, and contrasting different approaches to the experiments. | 2022 SP | 2022 FA |
| Students will be able to analyze data collected in experiments to investigate and draw possible contrasts with the predictions from the laws of physics. | 2020 SP | 2020 FA |
| **Program** |  | **Measure/Collect Data** | **Discuss & Plan** |
| PhysicsAssociate in Science2021 - 2025 | Develop mathematical skills, acquire physics knowledge, and practice applying these skills and knowledge in physical situations. | 2022 SP | 2022 FA |

**Directions & Helpful Hints**

In the spaces provided on the timeline, please list course-level and program-level student learning outcomes and when each will be assessed.

 **APR/SLO 3-Year Cycle**: The APR/SLO cycle begins with a compressive program review and ends just before the next comprehensive is due.

 **Course ID:** Insert course designator (e.g., ENGL 114, MATH 60, COMM 103)

 **Course-Level Student Learning Outcome (CSLO):** Write in each CSLO listed on the course outline of record. This can be accessed in CurricUNET.

 **Measure:** Insert the semester(s) each CSLO will be measured, and entered into eLumen.

 **Discuss & Plan:** State the semester the faculty will meet to discuss assessment results and create action plans as needed.

 **Program:** State the program being assessed.

 **Program-Level Student Learning Outcome (PSLO):** State the PSLO(s) for each program listed.

Considerations for Completing the SLO Assessment Timeline:

As per the SCEA contract, “The timeline shall ensure that all SLOs in all sections for each course are to be assessed at least once during the 3-year cycle, with a maximum number of course SLOs per section collected by a Unit member at any one time being three (3)”.

According to the ACCJC Standard II.A.3, “The institution identifies and regularly assesses learning outcomes for courses, programs, certificates. And degrees using established institutional procedures.”