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| **Program/Discipline Learning Outcomes** |
| **Academic Year: 2017- 2018** |
| **Program/Discipline: Associate of Science (SCIE.AS)** |
| **PROGRAM/DISCIPLINE CONTACT** |
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| **Learning Outcome:****(Successful students will be able to)** | **Course(s) in which the assessment will be performed** | **Semesters the outcome will be assessed** | **Assessment tools used for learning outcome** |
| 1 | *Identify, understand, and formulate scientific hypotheses.* | CEM 141PHY 251 | Fall | Lab reports |
| 2 | *Recognize, generate, and record empirical data.* | CEM 141PHY 251 | Fall | Lab reports |
| 3 | *Communicate the outcomes of experiments.* | CEM 141,PHY 251 | Fall | Lab reports |
| 4 | *Understand and discuss scientific theories* | CEM 141PHY 251BIO 161, 253 | Fall ( & Winter – BIO 161) | Lab reports and exams |
| 5 | *Contextually understand and evaluate societal issues pertaining to natural science.* | BIO 161, 220 | Fall & Winter | Assignments and quizzes |