GE Listing Across Matrix: Physical Science

Subject abbreviation, course number, and title of the course being proposed for this GE section:

**Instructions:** Attach this Student Learning Outcomes Matrix to a Course Modification proposal to list across in an additional section of GE. See [Listing Across GE Sections](https://www.csun.edu/undergraduate-studies/curriculum-proposals#ListingAcrossGESections) for more information. (For New Course proposals, use the full [Course Alignment Matrix and Course Objectives Chart](http://www.csun.edu/sites/default/files/course_alignment_%20matrix_course_objectives_chart.doc) instead of this abridged matrix.)

List the course SLOs (one per box) in the left column. For each course SLO, indicate how the course content satisfies the relevant GE SLOs by entering an I, P or D. The course must satisfy GE SLO 1, plus at least one additional Physical Science GE SLO. [I=introduced (basic level of proficiency is expected); P=practiced (proficient/intermediate level of proficiency is expected); D=demonstrated (highest level/most advanced level of proficiency is expected)]

Goal (Lower Division): Students will develop basic knowledge and learn key principles in the natural sciences, including an understanding of the methods of scientific inquiry as applied in the natural sciences through laboratory, activity and/or field-based study.

Goal (Upper Division): Students will synthesize, analyze, evaluate, and communicate their knowledge of physical science, life science, or mathematical/quantitative reasoning through assignments and projects in the upper division.

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| **Course SLOs:**  **↓** | **GE SLO 1 (Required)**  **Demonstrate an understanding of basic knowledge, principles and/or laws in the physical sciences.** | **GE SLO 2**  **Explain how the scientific method can be used to obtain new data and advance knowledge.** | **GE SLO 3**  **Demonstrate an understanding of the logical foundations, limits, and/or potential contributions of scientific endeavors in human society and everyday life.** | **GE SLO 4**  **Demonstrate an understanding of the value systems and ethics associated with scientific inquiry.** |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |