Physical Science Degree PLOs for Imperial Valley College (summer 2012)

A sampling of courses for this discipline includes (not limited to the following):

      Astronomy 100                                          Geology 100

      Chemistry 100                                            Geology 110

      Chemistry 160                                            Geology 120

      Chemistry 200                                            Physics 200

      Chemistry 202                                            Physics 202

      Chemistry 204                                            Physics 204

      Chemistry 206                                            Physical Science 110

Outcome 1: Scientific Reasoning skills

Outcome 2: Quantitative Reasoning skills

Outcome 3: Communication and information skills

Student Performance Indicators

Written Spring 2012

Outcome 1: Scientific Reasoning Skills

* Be able to observe repeatable physical interactions, collect data and apply the scientific method to identify their physical origins.

Outcome 1: Indicators

* Written exam or laboratory practical questions

Outcome 2: Quantitative Reasoning Skills

* Demonstrate, in a clear and concise manner, how to analyze and solve problems and to evaluate and test the correctness of the proposed solution.

Outcome 2: Indicators

* Mid-term and final exam questions

Outcome 3: Communication and Information Skills

* Demonstrate a proficiency in their oral and written communications of their scientific work and ideas in group and/or laboratory exercises.

Outcome 3: Indicators

* Laboratory notebooks
* Research papers/Oral presentations