Program

Students will be able to use their knowledge to reason about issues in their discipline.	This will be demonstrated mainly within the lecture courses and the lab courses.	The reasoning skills of the students will be assessed during courses as well as in tests and exams.	Faculty will evaluate the outcome of the tests within the courses and share anonymous information for the purposes of improving the coaching of reasoning skills as well as their evaluation.
Students will be able to solve quantitative problems in their discipline.	This will be demonstrated mainly within the lecture courses and the lab courses.	Quantitative skills will be tested within the lecture and lab courses with appropriate questions and problem sets.	Faculty will coordinate across classes to develop quantitative problem solving skills so that the students can carry the skills across different courses. Success will be demonstrated when students are better prepared to solve problems in all of their EAS courses.

1. **It is <u>not recommended</u> to try and assess (in depth) all of the program learning outcomes every semester. It is best practice to plan out when each outcome will be assessed and focus on 1 or 2 each semester/academic year. Describe the responsibilities, timeline, and the process for implementing this assessment plan.**
Our department is in the first wave of program reviews, starting in spring 2016. We will be developing a detailed plan at that time.
Faculty will meet at regular intervals (every 3 years) to review the program and the course offerings. Minor adjustments will be made on an ongoing basis. If, as a result of this consultation, the faculty find that major adjustments are needed, they will launch a more extensive process to revise the program.
Undergraduate program directors will be responsible for collecting feedback from their advisees and from course evaluations to have ongoing evaluation of our program.
We will appoint someone responsible for alumni relations in the department who will be able to collect feedback and carry out career outcomes assessment of our programs. These will feed into the periodic reviews held by the faculty.
The chair performs exit interviews with all graduating seniors to obtain overall feedback on the program.

2. **Please explain how these assessment efforts are coordinated with Madrid (courses and/or program)?**

SLU-Madrid only offers introductory classes in EAS subjects. We do not at this time coordinate with SLU-Madrid. We are planning to review this situation during the upcoming program review.

3. **The program assessment plan should be developed and approved by all faculty in the department. In addition, the program assessment plan should be developed to include student input and external sources (e.g., national standards, advisory boards, employers, alumni, etc.). Describe the process through which your academic unit created this assessment plan. Include the following:**

   a. Timeline regarding when or how often this plan will be reviewed and revised. (This could be aligned with program review.)
   Our department will be carrying out program reviews starting in spring 2016 – we will revise and expand the plan at this time.

   b. How students were included in the process and/or how student input was gathered and incorporated into the assessment plan.
   The chair has been carrying out exit interviews with all graduating seniors. Their suggestions have been taken into consideration in the elaboration of this plan.

   c. What external sources were consulted in the development of this assessment plan?
   We consulted other science departments (Chemistry, Biology). Within our department, the individual disciplines consult the guidelines from the governing professional bodies (eg. American Meteorological Society for the Meteorology program).

   d. Assessment of the manageability of the plan in relation to departmental resources and personnel
   This plan will require extra work from department members. The department is working on implementing a new workload policy which will help to clarify different tasks and expected contributions from people in the department. Once the workload policy is in place next fall, we will be able to revise the implementation of this plan (this will also coincide with the completion of our