We propose to develop a new method for assessing how well our students achieve the learning objectives for our major. Specifically, we will design and implement an online case study assignment that will be administered immediately following the completion of Pharmaceutical Sciences Upper Division Courses at the end of the Spring Quarter of the senior year. Students will answer case-based questions that require analytical and critical thinking skills. Our review and analysis of the case study assignments will provide us with a tool to assess the students’ mastery of the learning objectives of our major.