Evaluation of Laboratory Science Courses

Please complete each of the following questions on a separate sheet of paper. (Use additional sheets as necessary.) Attach the completed questions to this form and send to: Undergraduate Admissions, Arizona State University, PO Box 870112, Tempe, AZ 85287-0112

1. What is the name of your course of study? What is the textbook title and copyright date?

2. Briefly describe course content. Please include a list of the laboratory experiments or projects you do that require manipulation of equipment (minimum of one laboratory per week).

3. Using standard Scientific Method outlined by the following questions, describe one typical laboratory assignment associated with this course.
   a. State the problem or concept investigated during this laboratory assignment. (Do oranges stored in a refrigerator have more Vitamin C than oranges picked fresh from a tree?)
   b. Formulate a hypothesis for this problem using “if/then” statements. (If oranges picked fresh from a tree have more Vitamin C, then juice from these oranges will take longer to turn a starch solution blue.)
   c. Describe the experiment you performed to prove or disprove your hypothesis. List all essential materials. Describe each step you performed in the experiment.
   d. Describe the results of your experiment or study. Use graphs and charts where appropriate.
   e. Explain your data or results. Give an analysis of your experiment.
   f. Write a conclusion for your study. Was your hypothesis supported or refuted?