

### Lab #1 (Friday 9/2 for M labs; otherwise week of 9/5): The Process of Scientific Inquiry

- A. **Pre-lab reading:** Lab manual pp. 1-19; text sections 1.7-1.8.
- B. **No quiz** the first week of lab.
- C. **No homework due** the first week of lab
- D. **Homework assigned (hw1 due week of 9/5):** Students will complete **Exercise 5** from the lab manual. You will read a news article selected by the GTA and provided in lab. You will summarize the content of the article in a single, well-written paragraph and answer the questions listed under "Procedure" on p. 17 (including the "How convinced are you" question).  
**IMPORTANT NOTE:** be sure you understand the difference between where a study was published (i.e., the peer-reviewed journal, meeting, etc.) and the media source in which the study was reported. Detailed instructions are as follows:
  - 1. Standard homework formatting applies – specifically, that means that homework will be typed, double-spaced and include full identifying information (student's name, TA's name, lab day/time, homework number). A **signed** honor code statement ("In completing this assignment I have abided by the honor code of Old Dominion University) must be included. This is all explained in the Course Docs & Info area of Blackboard, and applies to all homework assignments unless otherwise noted.
  - 2. The summary of the article should include identifying information about the source of the article, including title, author, and source (volume/issue number/date for print sources; author, date, and url for web sources).
  - 3. The summary and answers to all questions should be written in complete sentences (no bullet points).
  - 4. Many, if not most, articles will NOT include all the information needed to answer all the questions – that's part of the lesson you're learning! You should simply indicate that the information is not reported.
  - 5. The work will be graded on correctness, accuracy, completeness and thoroughness, as well as basic mechanics (grammar, spelling, punctuation). Points will be deducted if students fail to follow written directions. In addition to the grading policies posted in the Course Docs & Info area of Blackboard, the general grading rubric followed will be:
    - a. Summary: 2 points
    - b. Experimental design questions: 1 pt each = 6 points
    - c. "How convinced are you" question: 2 points

Note that homework 1 is a slightly abbreviated version of the article reviews you will work on throughout the semester, so pay attention to the feedback you get from your TA.

**Next Week (week of 9/5)**

**A. Lab #2: Quantitative Observation & Graphing.**

1. **Student reading** for lab #2: Appendix A Exercise 2 Activity A: Measuring Length p. 196; Activity B: Measuring Mass pp 197-199, The Triple Beam Balance; Activity C: Measuring Volume pp. 200; Graduated Cylinders (p. 203) Exercise 3: Data Presentation, Activities A-C; Exercise 4

**B. Quiz #1** will cover

1. scientific inquiry (including "Questions for Review" pp. 17-19 in lab manual)

**C. Homework #1 is due**